

Homework 3:

Problem 1

Problem 1

To represent the operation as a fully connected layer, we can pad W with 0s making it a circulant matrix:

$$W = \begin{bmatrix} 1 & 3 & 0 & -1 & 2 & 0 & 0 & 0 \\ 0 & 1 & 3 & 0 & -1 & 2 & 0 & 0 \\ 0 & 0 & 0 & 1 & 3 & 0 & -1 & 2 \\ 0 & 0 & 0 & 0 & 1 & 3 & 0 & -1 \end{bmatrix}$$

To prove that this is a valid circulant matrix, let $\text{vec}[x] =$

$$\begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \end{bmatrix}$$

$$h = Wx = \begin{bmatrix} 1 & 3 & 0 & -1 & 2 & 0 & 0 & 0 & 0 \\ 0 & 1 & 3 & 0 & -1 & 2 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 3 & 0 & -1 & 2 & 0 \\ 0 & 0 & 0 & 0 & 1 & 3 & 0 & -1 & 2 \end{bmatrix} \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \end{bmatrix} = \begin{bmatrix} 13 \\ 18 \\ 28 \\ 33 \end{bmatrix}$$

Unvectorized, this becomes $\begin{bmatrix} 13 & 18 \\ 28 & 33 \end{bmatrix}$

Applying the filter to the unvectorized x, we get

$$x = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}, \text{ filter} = \begin{bmatrix} 1 & 3 \\ -1 & 2 \end{bmatrix}$$

Feature map =

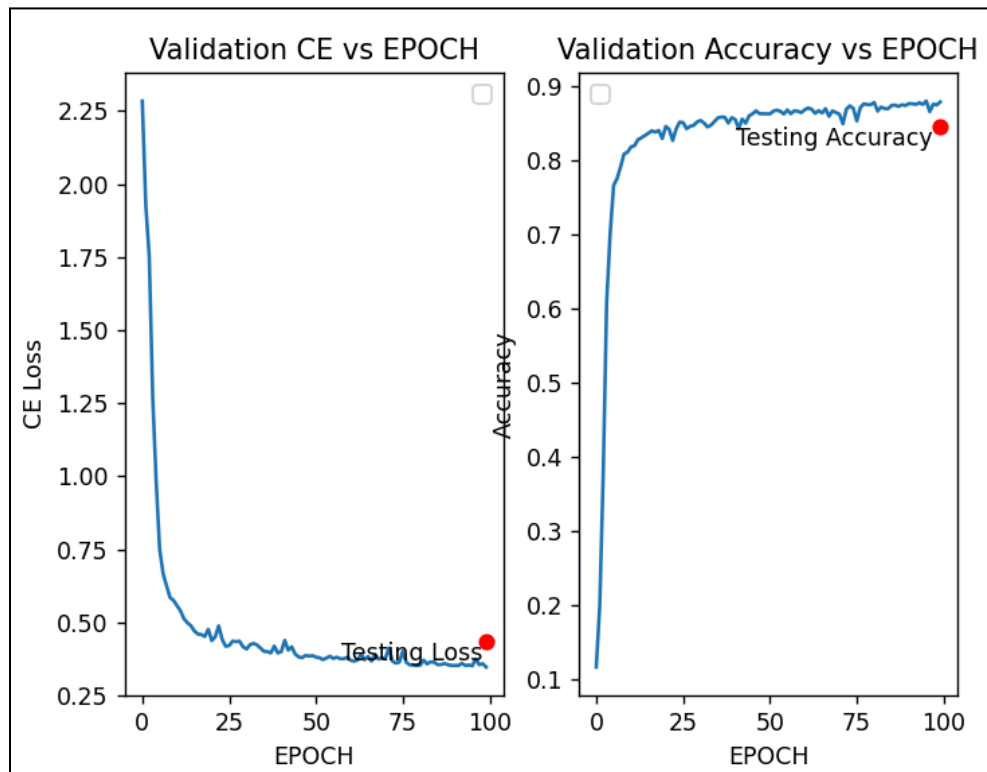
$$\begin{bmatrix} (1 * 1 + 2 * 3 + 4 * -1 + 5 * 2) & (2 * 1 + 3 * 3 + 5 * -1 + 6 * 2) \\ (4 * 1 + 5 * 3 + 7 * -1 + 8 * 2) & (5 * 1 + 6 * 3 + 8 * -1 + 9 * 2) \end{bmatrix} \\ = \begin{bmatrix} 13 & 18 \\ 28 & 33 \end{bmatrix}$$

Problem 2

2A)

The generated model defined in the code, with EPOCHS=100, Learning Rate=0.01, L2_STRENGTH=0.01 and BATCH_SIZE=64 produced a final testing loss of 0.43 and a testing accuracy of 85%. Please Review the attached logs outputs for Question 2 and the provided Python File for all code implementations.

```
Testing Loss: 0.4360252523286244 and Testing Accuracy: 0.8464
```



2B)

The model could train and reached a HIGH testing accuracy, which was on par with an identical Tensorflow Model, but did not produce a check_grad score $< 1e-1$.

```
The check_grad value is:  
0.4310760314538392
```

Problem 3

3A)

Please Review the attached logs outputs for Question 3 and the provided Python File for all code implementations.

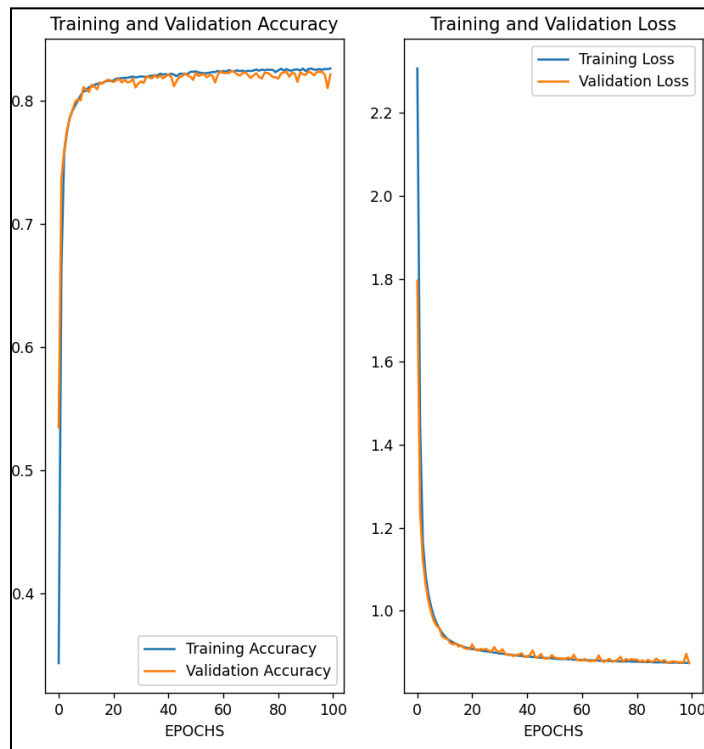


Figure 1: Simple Replicated NN Using Tensorflow

3B)

The best set of hyperparameters was {EPOCH: 220, LAYER_AMT: 5, NEURONS: 50, LR: 0.001, BATCH: 64, L2: 0.001}. Which produced a validation result of {'validation_results': {'loss': 0.6098987460136414, 'accuracy': 0.8796666860580444}}. Please Review the attached logs outputs for Question 3 and the provided Python File.

3C)

The best model from the previous part (mentioned above) produced a Testing Accuracy of 86.75% and a Testing Loss of 0.64. Please Review the attached log outputs for Question 3 and the provided Python File for all code implementations. Figures 2 and 3 below shows the model Accuracy and Loss over each Training Epoch for the entire 220 Epoch span and the final 20 epochs. In Figure 3, the final 20 Epochs, the accuracy, and Loss are harder to view, since they are hidden behind the chart legend, but are visible in the bottom left and top right respectively. All results are available in the Q3 Logs.

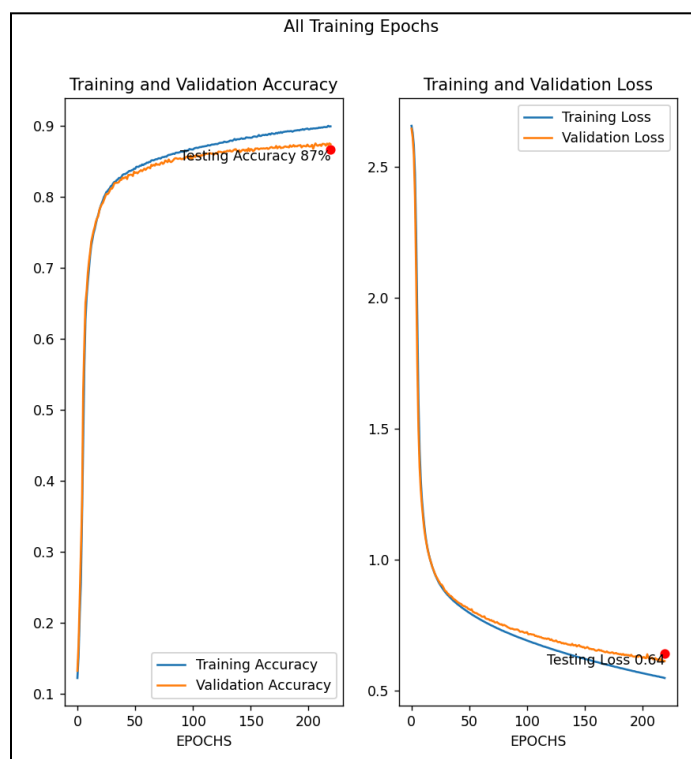


Figure 2: Best NN Training Epoch Results

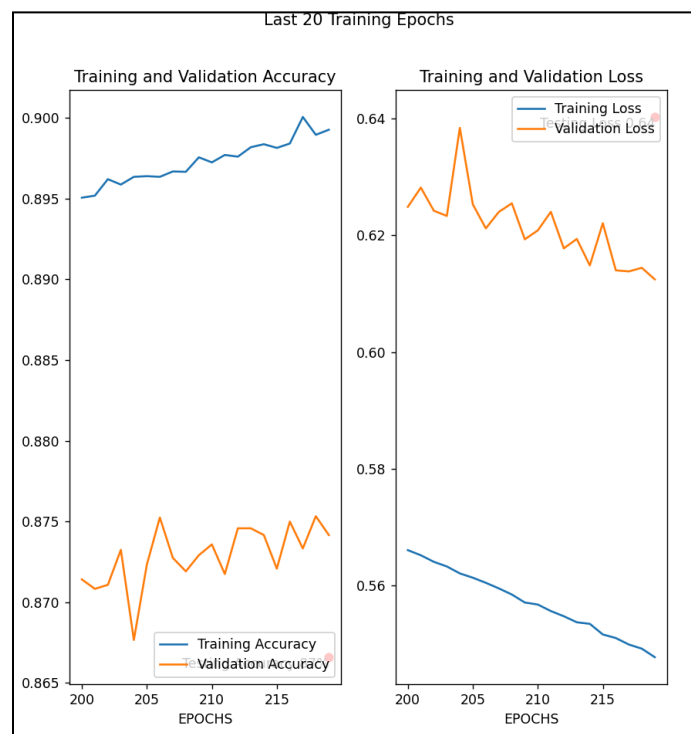


Figure 3: Best NN Training Final 20 Epoch Results

Problem 4

4A)

Please Review the screenshots provided below and the attached Python File for all code implementations.

4B)

Please Review the screenshots provided below and the attached Python File for all code implementations.

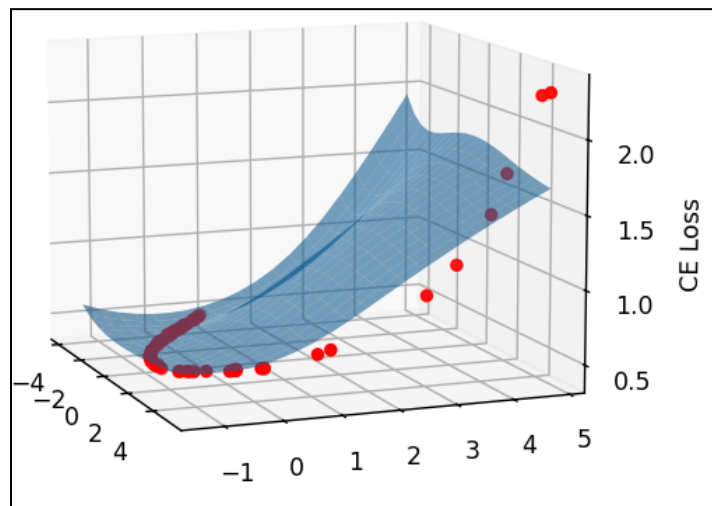
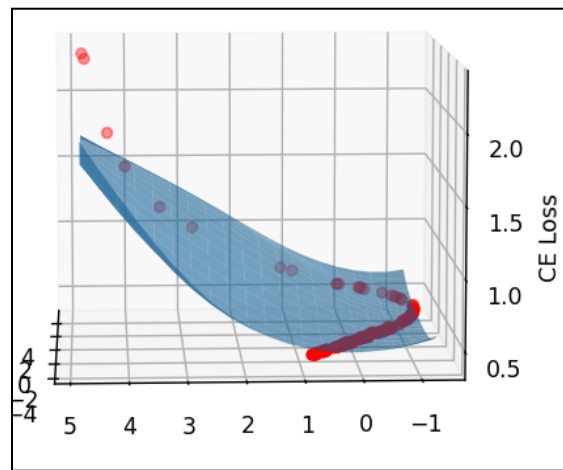
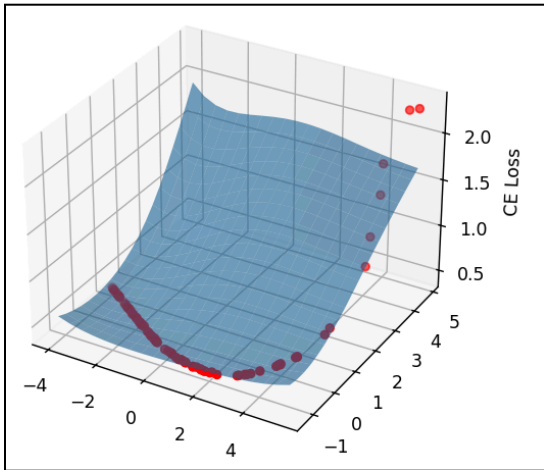


Figure 4, 5 & 6: SGD Space Plot and Weight Line

Running problem_2:

Importing MNIST Dataset...
(60000, 784) train samples
(10000, 784) test samples

(60000, 10) train labels
(10000, 10) test labels

The check_grad value is:
0.004310760314538392

Importing MNIST Dataset...
(48000, 784) train samples
(12000, 784) validation samples
(10000, 784) test samples

(48000, 10) train labels
(12000, 10) validation labels
(10000, 10) test labels

Training Model with EPOCHS=100, BATCH_SIZE=64, LEARNING_RATE=0.01 and
L2_REGULARIZE=0.001

Running EPOCH 1/100...
Running EPOCH 2/100...
Running EPOCH 3/100...
Running EPOCH 4/100...
Running EPOCH 5/100...
Running EPOCH 6/100...
Running EPOCH 7/100...
Running EPOCH 8/100...
Running EPOCH 9/100...
Running EPOCH 10/100...
Running EPOCH 11/100...
Running EPOCH 12/100...
Running EPOCH 13/100...
Running EPOCH 14/100...
Running EPOCH 15/100...
Running EPOCH 16/100...
Running EPOCH 17/100...
Running EPOCH 18/100...
Running EPOCH 19/100...
Running EPOCH 20/100...
Running EPOCH 21/100...

Running EPOCH 22/100...
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Running EPOCH 90/100...
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Running EPOCH 92/100...
Running EPOCH 93/100...
Running EPOCH 94/100...
Running EPOCH 95/100...
Running EPOCH 96/100...
Running EPOCH 97/100...
Running EPOCH 98/100...
Running EPOCH 99/100...
Running EPOCH 100/100...

Testing Loss: 0.4360252523286244 and Testing Accuracy: 0.8464

Testing problem_3a:

Importing MNIST Dataset...
(48000, 784) train samples
(12000, 784) validation samples
(10000, 784) test samples

(48000, 10) train labels
(12000, 10) validation labels
(10000, 10) test labels

Model: "sequential"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 10)	7850
hidden_1 (Dense)	(None, 10)	110
hidden_3 (Dense)	(None, 10)	110
output_layer (Dense)	(None, 10)	110

Total params: 8,180
Trainable params: 8,180
Non-trainable params: 0

Epoch 1/100

1/750 [.....] - ETA: 4:37 - loss: 2.8684 - accuracy: 0.1406
55/750 [=>.....] - ETA: 0s - loss: 2.7695 - accuracy: 0.1136
134/750 [====>.....] - ETA: 0s - loss: 2.7073 - accuracy: 0.1391
229/750 [=====>.....] - ETA: 0s - loss: 2.6501 - accuracy: 0.1668
332/750 [======>.....] - ETA: 0s - loss: 2.5891 - accuracy: 0.1910
439/750 [======>.....] - ETA: 0s - loss: 2.5244 - accuracy: 0.2324
525/750 [======>.....] - ETA: 0s - loss: 2.4661 - accuracy: 0.2723
615/750 [======>.....] - ETA: 0s - loss: 2.4019 - accuracy: 0.3041
721/750 [======>..] - ETA: 0s - loss: 2.3271 - accuracy:

0.3361
750/750 [=====] - 1s 853us/step - loss: 2.3067 - accuracy:
0.3437 - val_loss: 1.7952 - val_accuracy: 0.5351
Epoch 2/100

1/750 [.....] - ETA: 0s - loss: 1.8611 - accuracy:
0.4688
99/750 [==>.....] - ETA: 0s - loss: 1.7476 - accuracy:
0.5543
205/750 [=====>.....] - ETA: 0s - loss: 1.6826 - accuracy:
0.5737
310/750 [=====>.....] - ETA: 0s - loss: 1.6271 - accuracy:
0.5946
404/750 [=====>.....] - ETA: 0s - loss: 1.5767 - accuracy:
0.6160
514/750 [=====>.....] - ETA: 0s - loss: 1.5282 - accuracy:
0.6348
626/750 [=====>.....] - ETA: 0s - loss: 1.4896 - accuracy:
0.6492
728/750 [=====>.] - ETA: 0s - loss: 1.4571 - accuracy:
0.6616
750/750 [=====] - 0s 606us/step - loss: 1.4509 - accuracy:
0.6640 - val_loss: 1.2375 - val_accuracy: 0.7368
Epoch 3/100

1/750 [.....] - ETA: 0s - loss: 1.1273 - accuracy:
0.7500
104/750 [==>.....] - ETA: 0s - loss: 1.2187 - accuracy:
0.7483
170/750 [====>.....] - ETA: 0s - loss: 1.2101 - accuracy:
0.7522
231/750 [=====>.....] - ETA: 0s - loss: 1.2038 - accuracy:
0.7519
275/750 [=====>.....] - ETA: 0s - loss: 1.1982 - accuracy:
0.7519
320/750 [=====>.....] - ETA: 0s - loss: 1.1933 - accuracy:
0.7533
384/750 [=====>.....] - ETA: 0s - loss: 1.1868 - accuracy:
0.7537
471/750 [=====>.....] - ETA: 0s - loss: 1.1815 - accuracy:
0.7544
579/750 [=====>.....] - ETA: 0s - loss: 1.1759 - accuracy:
0.7549
688/750 [=====>...] - ETA: 0s - loss: 1.1701 - accuracy:
0.7564
750/750 [=====] - 1s 760us/step - loss: 1.1656 - accuracy:
0.7577 - val_loss: 1.1224 - val_accuracy: 0.7598
Epoch 4/100

1/750 [.....] - ETA: 0s - loss: 1.0882 - accuracy:

0.7812 [.....] - ETA: 0s - loss: 1.1323 - accuracy: 99/750 [==>.....] - ETA: 0s - loss: 1.1323 - accuracy: 0.7609 [.....] - ETA: 0s - loss: 1.1142 - accuracy: 192/750 [=====>.....] - ETA: 0s - loss: 1.1142 - accuracy: 0.7675 [.....] - ETA: 0s - loss: 1.1077 - accuracy: 281/750 [=====>.....] - ETA: 0s - loss: 1.1077 - accuracy: 0.7695 [.....] - ETA: 0s - loss: 1.0974 - accuracy: 391/750 [=====>.....] - ETA: 0s - loss: 1.0974 - accuracy: 0.7730 [.....] - ETA: 0s - loss: 1.0933 - accuracy: 486/750 [=====>.....] - ETA: 0s - loss: 1.0933 - accuracy: 0.7740 [.....] - ETA: 0s - loss: 1.0917 - accuracy: 572/750 [=====>.....] - ETA: 0s - loss: 1.0917 - accuracy: 0.7737 [.....] - ETA: 0s - loss: 1.0895 - accuracy: 683/750 [=====>.....] - ETA: 0s - loss: 1.0895 - accuracy: 0.7741 [.....] - ETA: 0s - loss: 1.0865 - accuracy: 750/750 [=====>.....] - 0s 640us/step - loss: 1.0865 - accuracy: 0.7746 - val_loss: 1.0639 - val_accuracy: 0.7763
Epoch 5/100

1/750 [.....] - ETA: 0s - loss: 1.2075 - accuracy: 0.7188 [.....] - ETA: 0s - loss: 1.0604 - accuracy: 109/750 [==>.....] - ETA: 0s - loss: 1.0604 - accuracy: 0.7778 [.....] - ETA: 0s - loss: 1.0516 - accuracy: 216/750 [=====>.....] - ETA: 0s - loss: 1.0516 - accuracy: 0.7809 [.....] - ETA: 0s - loss: 1.0541 - accuracy: 323/750 [=====>.....] - ETA: 0s - loss: 1.0541 - accuracy: 0.7800 [.....] - ETA: 0s - loss: 1.0519 - accuracy: 431/750 [=====>.....] - ETA: 0s - loss: 1.0519 - accuracy: 0.7815 [.....] - ETA: 0s - loss: 1.0464 - accuracy: 535/750 [=====>.....] - ETA: 0s - loss: 1.0464 - accuracy: 0.7833 [.....] - ETA: 0s - loss: 1.0416 - accuracy: 640/750 [=====>.....] - ETA: 0s - loss: 1.0416 - accuracy: 0.7854 [.....] - ETA: 0s - loss: 1.0410 - accuracy: 747/750 [=====>.....] - ETA: 0s - loss: 1.0410 - accuracy: 0.7860 [.....] - ETA: 0s - loss: 1.0405 - accuracy: 750/750 [=====>.....] - 0s 579us/step - loss: 1.0405 - accuracy: 0.7862 - val_loss: 1.0247 - val_accuracy: 0.7854
Epoch 6/100

1/750 [.....] - ETA: 0s - loss: 1.0317 - accuracy: 0.8438 [.....] - ETA: 0s - loss: 1.0135 - accuracy: 108/750 [==>.....] - ETA: 0s - loss: 1.0135 - accuracy: 0.7905 [.....] - ETA: 0s - loss: 1.0181 - accuracy: 209/750 [=====>.....] - ETA: 0s - loss: 1.0181 - accuracy: 0.7902 [.....] - ETA: 0s - loss: 1.0165 - accuracy: 315/750 [=====>.....] - ETA: 0s - loss: 1.0165 - accuracy: 0.7908 [.....] - ETA: 0s - loss: 1.0137 - accuracy: 411/750 [=====>.....] - ETA: 0s - loss: 1.0137 - accuracy: 0.7921 [.....] - ETA: 0s - loss: 1.0124 - accuracy: 511/750 [=====>.....] - ETA: 0s - loss: 1.0124 - accuracy:

0.7917 [=====>.....] - ETA: 0s - loss: 1.0116 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 1.0116 - accuracy:
0.7915 [=====>.....] - ETA: 0s - loss: 1.0116 - accuracy:
703/750 [=====>..] - ETA: 0s - loss: 1.0106 - accuracy:
0.7921 [=====] - 0s 629us/step - loss: 1.0098 - accuracy:
750/750 [=====] - 0s 629us/step - loss: 1.0098 - accuracy:
0.7921 - val_loss: 0.9965 - val_accuracy: 0.7924
Epoch 7/100

1/750 [.....] - ETA: 0s - loss: 0.9432 - accuracy:
0.7812 [=====>.....] - ETA: 0s - loss: 0.9930 - accuracy:
85/750 [=====>.....] - ETA: 0s - loss: 0.9930 - accuracy:
0.7921 [=====>.....] - ETA: 0s - loss: 0.9920 - accuracy:
171/750 [=====>.....] - ETA: 0s - loss: 0.9920 - accuracy:
0.7925 [=====>.....] - ETA: 0s - loss: 0.9937 - accuracy:
256/750 [=====>.....] - ETA: 0s - loss: 0.9937 - accuracy:
0.7947 [=====>.....] - ETA: 0s - loss: 0.9920 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.9920 - accuracy:
0.7951 [=====>.....] - ETA: 0s - loss: 0.9891 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.9891 - accuracy:
0.7962 [=====>.....] - ETA: 0s - loss: 0.9898 - accuracy:
550/750 [=====>.....] - ETA: 0s - loss: 0.9898 - accuracy:
0.7955 [=====>.....] - ETA: 0s - loss: 0.9861 - accuracy:
653/750 [=====>....] - ETA: 0s - loss: 0.9861 - accuracy:
0.7969 [=====>....] - ETA: 0s - loss: 0.9865 - accuracy:
748/750 [=====>..] - ETA: 0s - loss: 0.9865 - accuracy:
0.7962 [=====>..] - ETA: 0s - loss: 0.9865 - accuracy:
750/750 [=====] - 0s 661us/step - loss: 0.9865 - accuracy:
0.7961 - val_loss: 0.9755 - val_accuracy: 0.7993
Epoch 8/100

1/750 [.....] - ETA: 0s - loss: 0.9486 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.9563 - accuracy:
88/750 [=====>.....] - ETA: 0s - loss: 0.9563 - accuracy:
0.8072 [=====>.....] - ETA: 0s - loss: 0.9568 - accuracy:
182/750 [=====>.....] - ETA: 0s - loss: 0.9568 - accuracy:
0.8071 [=====>.....] - ETA: 0s - loss: 0.9619 - accuracy:
274/750 [=====>.....] - ETA: 0s - loss: 0.9619 - accuracy:
0.8057 [=====>.....] - ETA: 0s - loss: 0.9680 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.9680 - accuracy:
0.8028 [=====>.....] - ETA: 0s - loss: 0.9674 - accuracy:
467/750 [=====>.....] - ETA: 0s - loss: 0.9674 - accuracy:
0.8029 [=====>.....] - ETA: 0s - loss: 0.9712 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.9712 - accuracy:
0.8008 [=====>.....] - ETA: 0s - loss: 0.9718 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.9718 - accuracy:
0.8006 [=====>....] - ETA: 0s - loss: 0.9703 - accuracy:
750/750 [=====] - 0s 650us/step - loss: 0.9703 - accuracy:
0.8005 - val_loss: 0.9635 - val_accuracy: 0.8016
Epoch 9/100

1/750 [.....] - ETA: 0s - loss: 0.9848 - accuracy: 0.7969
100/750 [==>.....] - ETA: 0s - loss: 0.9752 - accuracy: 0.7937
206/750 [=====>.....] - ETA: 0s - loss: 0.9572 - accuracy: 0.8035
306/750 [=====>.....] - ETA: 0s - loss: 0.9584 - accuracy: 0.8018
417/750 [======>.....] - ETA: 0s - loss: 0.9586 - accuracy: 0.8017
525/750 [======>.....] - ETA: 0s - loss: 0.9583 - accuracy: 0.8032
627/750 [======>.....] - ETA: 0s - loss: 0.9564 - accuracy: 0.8039
734/750 [======>.] - ETA: 0s - loss: 0.9575 - accuracy: 0.8045
750/750 [=====] - 0s 603us/step - loss: 0.9576 - accuracy: 0.8044 - val_loss: 0.9584 - val_accuracy: 0.8004
Epoch 10/100

1/750 [.....] - ETA: 0s - loss: 1.0680 - accuracy: 0.7031
116/750 [==>.....] - ETA: 0s - loss: 0.9611 - accuracy: 0.8023
221/750 [=====>.....] - ETA: 0s - loss: 0.9540 - accuracy: 0.8047
325/750 [=====>.....] - ETA: 0s - loss: 0.9505 - accuracy: 0.8058
431/750 [======>.....] - ETA: 0s - loss: 0.9485 - accuracy: 0.8071
532/750 [======>.....] - ETA: 0s - loss: 0.9475 - accuracy: 0.8074
639/750 [======>.....] - ETA: 0s - loss: 0.9472 - accuracy: 0.8073
749/750 [======>.] - ETA: 0s - loss: 0.9468 - accuracy: 0.8078
750/750 [=====] - 0s 585us/step - loss: 0.9469 - accuracy: 0.8078 - val_loss: 0.9383 - val_accuracy: 0.8112
Epoch 11/100

1/750 [.....] - ETA: 0s - loss: 1.1214 - accuracy: 0.7500
108/750 [==>.....] - ETA: 0s - loss: 0.9504 - accuracy: 0.8045
210/750 [=====>.....] - ETA: 0s - loss: 0.9417 - accuracy: 0.8092
304/750 [=====>.....] - ETA: 0s - loss: 0.9402 - accuracy: 0.8087
409/750 [======>.....] - ETA: 0s - loss: 0.9414 - accuracy:

0.8085
511/750 [=====>.....] - ETA: 0s - loss: 0.9416 - accuracy:
0.8078
623/750 [=====>.....] - ETA: 0s - loss: 0.9395 - accuracy:
0.8088
730/750 [=====>.] - ETA: 0s - loss: 0.9397 - accuracy:
0.8083
750/750 [=====] - 0s 593us/step - loss: 0.9388 - accuracy:
0.8084 - val_loss: 0.9336 - val_accuracy: 0.8097
Epoch 12/100

1/750 [.....] - ETA: 0s - loss: 0.7750 - accuracy:
0.8906
113/750 [==>.....] - ETA: 0s - loss: 0.9340 - accuracy:
0.8142
217/750 [=====>.....] - ETA: 0s - loss: 0.9332 - accuracy:
0.8107
327/750 [=====>.....] - ETA: 0s - loss: 0.9259 - accuracy:
0.8142
431/750 [=====>.....] - ETA: 0s - loss: 0.9262 - accuracy:
0.8130
539/750 [=====>.....] - ETA: 0s - loss: 0.9280 - accuracy:
0.8124
649/750 [=====>.....] - ETA: 0s - loss: 0.9306 - accuracy:
0.8118
750/750 [=====] - 0s 578us/step - loss: 0.9321 - accuracy:
0.8113 - val_loss: 0.9320 - val_accuracy: 0.8073
Epoch 13/100

1/750 [.....] - ETA: 0s - loss: 0.8955 - accuracy:
0.8125
107/750 [==>.....] - ETA: 0s - loss: 0.9247 - accuracy:
0.8145
211/750 [=====>.....] - ETA: 0s - loss: 0.9330 - accuracy:
0.8063
323/750 [=====>.....] - ETA: 0s - loss: 0.9354 - accuracy:
0.8080
426/750 [=====>.....] - ETA: 0s - loss: 0.9381 - accuracy:
0.8072
532/750 [=====>.....] - ETA: 0s - loss: 0.9339 - accuracy:
0.8089
639/750 [=====>.....] - ETA: 0s - loss: 0.9307 - accuracy:
0.8101
742/750 [=====>.] - ETA: 0s - loss: 0.9290 - accuracy:
0.8111
750/750 [=====] - 0s 584us/step - loss: 0.9278 - accuracy:
0.8115 - val_loss: 0.9221 - val_accuracy: 0.8130
Epoch 14/100

1/750 [.....] - ETA: 0s - loss: 0.9283 - accuracy:

0.8125 [.....] - ETA: 0s - loss: 0.9166 - accuracy:
107/750 [==>.....] - ETA: 0s - loss: 0.9166 - accuracy:
0.8135 [.....] - ETA: 0s - loss: 0.9267 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.9267 - accuracy:
0.8130 [.....] - ETA: 0s - loss: 0.9263 - accuracy:
318/750 [=====>.....] - ETA: 0s - loss: 0.9263 - accuracy:
0.8145 [.....] - ETA: 0s - loss: 0.9264 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.9264 - accuracy:
0.8134 [.....] - ETA: 0s - loss: 0.9250 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.9250 - accuracy:
0.8124 [.....] - ETA: 0s - loss: 0.9222 - accuracy:
641/750 [=====>.....] - ETA: 0s - loss: 0.9222 - accuracy:
0.8138 [.....] - ETA: 0s - loss: 0.9236 - accuracy:
750/750 [=====>.....] - 0s 581us/step - loss: 0.9236 - accuracy:
0.8132 - val_loss: 0.9188 - val_accuracy: 0.8119
Epoch 15/100

1/750 [.....] - ETA: 0s - loss: 0.9252 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.9177 - accuracy:
111/750 [==>.....] - ETA: 0s - loss: 0.9177 - accuracy:
0.8188 [.....] - ETA: 0s - loss: 0.9211 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.9211 - accuracy:
0.8165 [.....] - ETA: 0s - loss: 0.9191 - accuracy:
328/750 [=====>.....] - ETA: 0s - loss: 0.9191 - accuracy:
0.8160 [.....] - ETA: 0s - loss: 0.9197 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.9197 - accuracy:
0.8151 [.....] - ETA: 0s - loss: 0.9202 - accuracy:
545/750 [=====>.....] - ETA: 0s - loss: 0.9202 - accuracy:
0.8147 [.....] - ETA: 0s - loss: 0.9193 - accuracy:
648/750 [=====>.....] - ETA: 0s - loss: 0.9193 - accuracy:
0.8145 [.....] - ETA: 0s - loss: 0.9199 - accuracy:
750/750 [=====>.....] - 0s 582us/step - loss: 0.9199 - accuracy:
0.8138 - val_loss: 0.9220 - val_accuracy: 0.8094
Epoch 16/100

1/750 [.....] - ETA: 0s - loss: 0.8598 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.9195 - accuracy:
109/750 [==>.....] - ETA: 0s - loss: 0.9195 - accuracy:
0.8141 [.....] - ETA: 0s - loss: 0.9171 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.9171 - accuracy:
0.8147 [.....] - ETA: 0s - loss: 0.9161 - accuracy:
326/750 [=====>.....] - ETA: 0s - loss: 0.9161 - accuracy:
0.8166 [.....] - ETA: 0s - loss: 0.9156 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.9156 - accuracy:
0.8157 [.....] - ETA: 0s - loss: 0.9149 - accuracy:
547/750 [=====>.....] - ETA: 0s - loss: 0.9149 - accuracy:
0.8158 [.....] - ETA: 0s - loss: 0.9161 - accuracy:
655/750 [=====>.....] - ETA: 0s - loss: 0.9161 - accuracy:
0.8147 [.....] - ETA: 0s - loss: 0.9174 - accuracy:
750/750 [=====>.....] - 0s 574us/step - loss: 0.9174 - accuracy:

0.8147 - val_loss: 0.9138 - val_accuracy: 0.8150
Epoch 17/100

1/750 [.....] - ETA: 0s - loss: 1.0901 - accuracy:
0.7812
108/750 [==>.....] - ETA: 0s - loss: 0.9201 - accuracy:
0.8116
215/750 [=====>.....] - ETA: 0s - loss: 0.9239 - accuracy:
0.8129
323/750 [=====>.....] - ETA: 0s - loss: 0.9197 - accuracy:
0.8125
432/750 [======>.....] - ETA: 0s - loss: 0.9193 - accuracy:
0.8125
538/750 [======>.....] - ETA: 0s - loss: 0.9178 - accuracy:
0.8133
643/750 [======>.....] - ETA: 0s - loss: 0.9162 - accuracy:
0.8133
749/750 [======>.] - ETA: 0s - loss: 0.9151 - accuracy:
0.8144
750/750 [=====] - 0s 583us/step - loss: 0.9151 - accuracy:
0.8144 - val_loss: 0.9163 - val_accuracy: 0.8145
Epoch 18/100

1/750 [.....] - ETA: 0s - loss: 0.7231 - accuracy:
0.8906
107/750 [==>.....] - ETA: 0s - loss: 0.8900 - accuracy:
0.8270
212/750 [=====>.....] - ETA: 0s - loss: 0.9048 - accuracy:
0.8202
320/750 [=====>.....] - ETA: 0s - loss: 0.9065 - accuracy:
0.8199
427/750 [======>.....] - ETA: 0s - loss: 0.9143 - accuracy:
0.8157
534/750 [======>.....] - ETA: 0s - loss: 0.9137 - accuracy:
0.8161
646/750 [======>.....] - ETA: 0s - loss: 0.9130 - accuracy:
0.8159
750/750 [=====] - 0s 576us/step - loss: 0.9123 - accuracy:
0.8160 - val_loss: 0.9101 - val_accuracy: 0.8158
Epoch 19/100

1/750 [.....] - ETA: 0s - loss: 0.7823 - accuracy:
0.8438
110/750 [==>.....] - ETA: 0s - loss: 0.9055 - accuracy:
0.8172
218/750 [=====>.....] - ETA: 0s - loss: 0.9066 - accuracy:
0.8167
331/750 [======>.....] - ETA: 0s - loss: 0.9108 - accuracy:
0.8163
441/750 [======>.....] - ETA: 0s - loss: 0.9131 - accuracy:

0.8163 [=====>.....] - ETA: 0s - loss: 0.9151 - accuracy: 0.8149
660/750 [=====>....] - ETA: 0s - loss: 0.9111 - accuracy: 0.8164
750/750 [=====] - 0s 573us/step - loss: 0.9110 - accuracy: 0.8163 - val_loss: 0.9083 - val_accuracy: 0.8174
Epoch 20/100

1/750 [.....] - ETA: 0s - loss: 1.1011 - accuracy: 0.6875
109/750 [==>.....] - ETA: 0s - loss: 0.9063 - accuracy: 0.8202
221/750 [=====>.....] - ETA: 0s - loss: 0.9142 - accuracy: 0.8130
328/750 [=====>.....] - ETA: 0s - loss: 0.9127 - accuracy: 0.8132
434/750 [=====>.....] - ETA: 0s - loss: 0.9140 - accuracy: 0.8135
544/750 [=====>.....] - ETA: 0s - loss: 0.9128 - accuracy: 0.8145
647/750 [=====>....] - ETA: 0s - loss: 0.9099 - accuracy: 0.8157
750/750 [=====] - 0s 575us/step - loss: 0.9089 - accuracy: 0.8163 - val_loss: 0.9075 - val_accuracy: 0.8162
Epoch 21/100

1/750 [.....] - ETA: 0s - loss: 0.9277 - accuracy: 0.8438
108/750 [==>.....] - ETA: 0s - loss: 0.9111 - accuracy: 0.8184
221/750 [=====>.....] - ETA: 0s - loss: 0.9024 - accuracy: 0.8208
329/750 [=====>.....] - ETA: 0s - loss: 0.9063 - accuracy: 0.8196
439/750 [=====>.....] - ETA: 0s - loss: 0.9074 - accuracy: 0.8175
550/750 [=====>.....] - ETA: 0s - loss: 0.9094 - accuracy: 0.8161
656/750 [=====>....] - ETA: 0s - loss: 0.9078 - accuracy: 0.8170
750/750 [=====] - 0s 575us/step - loss: 0.9079 - accuracy: 0.8167 - val_loss: 0.9187 - val_accuracy: 0.8154
Epoch 22/100

1/750 [.....] - ETA: 0s - loss: 0.9709 - accuracy: 0.8125
107/750 [==>.....] - ETA: 0s - loss: 0.9116 - accuracy: 0.8179
215/750 [=====>.....] - ETA: 0s - loss: 0.9085 - accuracy:

0.8178 [=====>.....] - ETA: 0s - loss: 0.9105 - accuracy:
0.8177 [=====>.....] - ETA: 0s - loss: 0.9098 - accuracy:
428/750 [=====>.....] - ETA: 0s - loss: 0.9064 - accuracy:
0.8173 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.9074 - accuracy:
0.8192 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy:
638/750 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy:
0.8187 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy:
738/750 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy:
0.8182 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy:
750/750 [=====] - 0s 591us/step - loss: 0.9072 - accuracy:
0.8181 - val_loss: 0.9067 - val_accuracy: 0.8168
Epoch 23/100

1/750 [.....] - ETA: 0s - loss: 0.8435 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.8997 - accuracy:
110/750 [=====>.....] - ETA: 0s - loss: 0.9023 - accuracy:
0.8206 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.9026 - accuracy:
0.8193 [=====>.....] - ETA: 0s - loss: 0.9022 - accuracy:
324/750 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
0.8194 [=====>.....] - ETA: 0s - loss: 0.9022 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
0.8189 [=====>.....] - ETA: 0s - loss: 0.9022 - accuracy:
543/750 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
0.8185 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
653/750 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
0.8190 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
750/750 [=====] - 0s 574us/step - loss: 0.9054 - accuracy:
0.8184 - val_loss: 0.9039 - val_accuracy: 0.8180
Epoch 24/100

1/750 [.....] - ETA: 0s - loss: 0.8616 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.9000 - accuracy:
112/750 [=====>.....] - ETA: 0s - loss: 0.8988 - accuracy:
0.8246 [=====>.....] - ETA: 0s - loss: 0.9015 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.9025 - accuracy:
0.8220 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy:
328/750 [=====>.....] - ETA: 0s - loss: 0.9041 - accuracy:
0.8208 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
0.8212 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
544/750 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
0.8195 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
651/750 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
0.8183 [=====>.....] - ETA: 0s - loss: 0.9045 - accuracy:
750/750 [=====] - 0s 577us/step - loss: 0.9045 - accuracy:
0.8184 - val_loss: 0.9080 - val_accuracy: 0.8150
Epoch 25/100

1/750 [.....] - ETA: 0s - loss: 1.1353 - accuracy: 0.7500
101/750 [==>.....] - ETA: 0s - loss: 0.9076 - accuracy: 0.8192
201/750 [=====>.....] - ETA: 0s - loss: 0.8976 - accuracy: 0.8241
307/750 [=====>.....] - ETA: 0s - loss: 0.8987 - accuracy: 0.8223
409/750 [======>.....] - ETA: 0s - loss: 0.9020 - accuracy: 0.8198
520/750 [======>.....] - ETA: 0s - loss: 0.9039 - accuracy: 0.8197
629/750 [======>.....] - ETA: 0s - loss: 0.9008 - accuracy: 0.8200
736/750 [======>.....] - ETA: 0s - loss: 0.9028 - accuracy: 0.8188
750/750 [=====] - 0s 589us/step - loss: 0.9029 - accuracy: 0.8189 - val_loss: 0.9060 - val_accuracy: 0.8172
Epoch 26/100

1/750 [.....] - ETA: 0s - loss: 0.9367 - accuracy: 0.8125
109/750 [==>.....] - ETA: 0s - loss: 0.8951 - accuracy: 0.8182
218/750 [=====>.....] - ETA: 0s - loss: 0.8981 - accuracy: 0.8199
325/750 [=====>.....] - ETA: 0s - loss: 0.9005 - accuracy: 0.8197
435/750 [======>.....] - ETA: 0s - loss: 0.9014 - accuracy: 0.8196
543/750 [======>.....] - ETA: 0s - loss: 0.9009 - accuracy: 0.8198
649/750 [======>.....] - ETA: 0s - loss: 0.9023 - accuracy: 0.8191
750/750 [=====] - 0s 578us/step - loss: 0.9022 - accuracy: 0.8188 - val_loss: 0.9082 - val_accuracy: 0.8152
Epoch 27/100

1/750 [.....] - ETA: 0s - loss: 0.9960 - accuracy: 0.8125
111/750 [==>.....] - ETA: 0s - loss: 0.9019 - accuracy: 0.8200
207/750 [=====>.....] - ETA: 0s - loss: 0.8950 - accuracy: 0.8213
299/750 [=====>.....] - ETA: 0s - loss: 0.9034 - accuracy: 0.8173
407/750 [======>.....] - ETA: 0s - loss: 0.9050 - accuracy: 0.8169
514/750 [======>.....] - ETA: 0s - loss: 0.9025 - accuracy:

0.8179 [=====>.....] - ETA: 0s - loss: 0.9029 - accuracy: 0.8180
734/750 [=====>.] - ETA: 0s - loss: 0.9024 - accuracy: 0.8193
750/750 [=====] - 0s 591us/step - loss: 0.9014 - accuracy: 0.8194 - val_loss: 0.9038 - val_accuracy: 0.8155
Epoch 28/100

1/750 [.....] - ETA: 0s - loss: 0.8648 - accuracy: 0.8125
113/750 [==>.....] - ETA: 0s - loss: 0.8946 - accuracy: 0.8211
220/750 [=====>.....] - ETA: 0s - loss: 0.8986 - accuracy: 0.8192
330/750 [=====>.....] - ETA: 0s - loss: 0.9017 - accuracy: 0.8190
441/750 [=====>.....] - ETA: 0s - loss: 0.8979 - accuracy: 0.8211
549/750 [=====>.....] - ETA: 0s - loss: 0.8994 - accuracy: 0.8207
659/750 [=====>....] - ETA: 0s - loss: 0.9005 - accuracy: 0.8201
750/750 [=====] - 0s 582us/step - loss: 0.9002 - accuracy: 0.8198 - val_loss: 0.9014 - val_accuracy: 0.8183
Epoch 29/100

1/750 [.....] - ETA: 0s - loss: 0.9896 - accuracy: 0.8281
105/750 [==>.....] - ETA: 0s - loss: 0.9070 - accuracy: 0.8140
210/750 [=====>.....] - ETA: 0s - loss: 0.8998 - accuracy: 0.8173
322/750 [=====>.....] - ETA: 0s - loss: 0.9009 - accuracy: 0.8178
428/750 [=====>.....] - ETA: 0s - loss: 0.8979 - accuracy: 0.8187
533/750 [=====>.....] - ETA: 0s - loss: 0.8992 - accuracy: 0.8187
639/750 [=====>....] - ETA: 0s - loss: 0.8995 - accuracy: 0.8186
738/750 [=====>.] - ETA: 0s - loss: 0.8991 - accuracy: 0.8190
750/750 [=====] - 0s 589us/step - loss: 0.8991 - accuracy: 0.8191 - val_loss: 0.9126 - val_accuracy: 0.8109
Epoch 30/100

1/750 [.....] - ETA: 0s - loss: 0.8034 - accuracy: 0.8750
103/750 [==>.....] - ETA: 0s - loss: 0.8858 - accuracy:

0.8210 [=====>.....] - ETA: 0s - loss: 0.8899 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.8899 - accuracy:
0.8214 [=====>.....] - ETA: 0s - loss: 0.8928 - accuracy:
322/750 [=====>.....] - ETA: 0s - loss: 0.8991 - accuracy:
0.8218 [=====>.....] - ETA: 0s - loss: 0.8994 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.8992 - accuracy:
0.8190 [=====>.....] - ETA: 0s - loss: 0.8984 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.8984 - accuracy:
0.8189 [=====>.....] - ETA: 0s - loss: 0.8984 - accuracy:
644/750 [=====>.....] - ETA: 0s - loss: 0.8984 - accuracy:
0.8190 [=====>.....] - ETA: 0s - loss: 0.8984 - accuracy:
750/750 [=====] - 0s 585us/step - loss: 0.8984 - accuracy:
0.8195 - val_loss: 0.9026 - val_accuracy: 0.8141
Epoch 31/100

1/750 [.....] - ETA: 0s - loss: 0.8297 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.8827 - accuracy:
108/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
0.8267 [=====>.....] - ETA: 0s - loss: 0.8900 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.8913 - accuracy:
0.8232 [=====>.....] - ETA: 0s - loss: 0.8931 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.8964 - accuracy:
0.8222 [=====>.....] - ETA: 0s - loss: 0.8968 - accuracy:
405/750 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
0.8226 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
0.8217 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
0.8205 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
715/750 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
0.8200 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
750/750 [=====] - 0s 611us/step - loss: 0.8970 - accuracy:
0.8200 - val_loss: 0.9004 - val_accuracy: 0.8159
Epoch 32/100

1/750 [.....] - ETA: 0s - loss: 1.2636 - accuracy:
0.6719 [=====>.....] - ETA: 0s - loss: 0.8945 - accuracy:
111/750 [=====>.....] - ETA: 0s - loss: 0.8983 - accuracy:
0.8247 [=====>.....] - ETA: 0s - loss: 0.8960 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.8943 - accuracy:
0.8208 [=====>.....] - ETA: 0s - loss: 0.8958 - accuracy:
322/750 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
0.8219 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
0.8217 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
0.8212 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
650/750 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
0.8214 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
750/750 [=====] - 0s 574us/step - loss: 0.8966 - accuracy:

0.8197 - val_loss: 0.9072 - val_accuracy: 0.8147
Epoch 33/100

1/750 [.....] - ETA: 0s - loss: 0.9266 - accuracy:
0.7969
108/750 [==>.....] - ETA: 0s - loss: 0.9021 - accuracy:
0.8203
214/750 [=====>.....] - ETA: 0s - loss: 0.9009 - accuracy:
0.8169
322/750 [=====>.....] - ETA: 0s - loss: 0.9015 - accuracy:
0.8171
423/750 [======>.....] - ETA: 0s - loss: 0.8997 - accuracy:
0.8181
535/750 [======>.....] - ETA: 0s - loss: 0.8949 - accuracy:
0.8200
647/750 [======>.....] - ETA: 0s - loss: 0.8923 - accuracy:
0.8208
750/750 [=====] - 0s 578us/step - loss: 0.8954 - accuracy:
0.8194 - val_loss: 0.8960 - val_accuracy: 0.8200
Epoch 34/100

1/750 [.....] - ETA: 0s - loss: 0.8177 - accuracy:
0.8594
106/750 [==>.....] - ETA: 0s - loss: 0.8874 - accuracy:
0.8253
211/750 [=====>.....] - ETA: 0s - loss: 0.8886 - accuracy:
0.8233
315/750 [=====>.....] - ETA: 0s - loss: 0.8907 - accuracy:
0.8220
419/750 [======>.....] - ETA: 0s - loss: 0.8923 - accuracy:
0.8202
532/750 [======>.....] - ETA: 0s - loss: 0.8922 - accuracy:
0.8210
640/750 [======>.....] - ETA: 0s - loss: 0.8954 - accuracy:
0.8195
750/750 [=====] - ETA: 0s - loss: 0.8943 - accuracy:
0.8201
750/750 [=====] - 0s 583us/step - loss: 0.8943 - accuracy:
0.8201 - val_loss: 0.8936 - val_accuracy: 0.8191
Epoch 35/100

1/750 [.....] - ETA: 0s - loss: 0.8639 - accuracy:
0.8281
110/750 [==>.....] - ETA: 0s - loss: 0.8806 - accuracy:
0.8276
219/750 [=====>.....] - ETA: 0s - loss: 0.8874 - accuracy:
0.8234
327/750 [=====>.....] - ETA: 0s - loss: 0.8897 - accuracy:
0.8222
438/750 [======>.....] - ETA: 0s - loss: 0.8908 - accuracy:

0.8225 [=====>.....] - ETA: 0s - loss: 0.8916 - accuracy:
0.8221 [=====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.8940 - accuracy:
0.8208 [=====] - 0s 581us/step - loss: 0.8940 - accuracy:
0.8206 - val_loss: 0.8946 - val_accuracy: 0.8184
Epoch 36/100

1/750 [.....] - ETA: 0s - loss: 1.0635 - accuracy:
0.7812 [==>.....] - ETA: 0s - loss: 0.8937 - accuracy:
0.8183 [=====>.....] - ETA: 0s - loss: 0.8922 - accuracy:
0.8195 [=====>.....] - ETA: 0s - loss: 0.8933 - accuracy:
0.8202 [=====>.....] - ETA: 0s - loss: 0.8917 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.8931 - accuracy:
0.8210 [=====>.....] - ETA: 0s - loss: 0.8930 - accuracy:
0.8207 [=====>.....] - ETA: 0s - loss: 0.8929 - accuracy:
643/750 [=====>.....] - ETA: 0s - loss: 0.8928 - accuracy:
0.8212 [=====>.] - ETA: 0s - loss: 0.8929 - accuracy:
0.8206 [=====] - 0s 589us/step - loss: 0.8928 - accuracy:
0.8208 - val_loss: 0.8909 - val_accuracy: 0.8210
Epoch 37/100

1/750 [.....] - ETA: 0s - loss: 1.0066 - accuracy:
0.7656 [==>.....] - ETA: 0s - loss: 0.8811 - accuracy:
0.8325 [=====>.....] - ETA: 0s - loss: 0.8871 - accuracy:
0.8265 [=====>.....] - ETA: 0s - loss: 0.8900 - accuracy:
0.8249 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.8912 - accuracy:
0.8238 [=====>.....] - ETA: 0s - loss: 0.8903 - accuracy:
547/750 [=====>.....] - ETA: 0s - loss: 0.8924 - accuracy:
0.8224 [=====>....] - ETA: 0s - loss: 0.8924 - accuracy:
656/750 [=====] - 0s 571us/step - loss: 0.8924 - accuracy:
0.8218 [=====] - val_loss: 0.8933 - val_accuracy: 0.8188
Epoch 38/100

1/750 [.....] - ETA: 0s - loss: 0.8168 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.8682 - accuracy:

0.8362 [.....] - ETA: 0s - loss: 0.8848 - accuracy: 0.8267
212/750 [=====>.....] - ETA: 0s - loss: 0.8862 - accuracy: 0.8269
323/750 [=====>.....] - ETA: 0s - loss: 0.8895 - accuracy: 0.8244
427/750 [=====>.....] - ETA: 0s - loss: 0.8870 - accuracy: 0.8252
537/750 [=====>.....] - ETA: 0s - loss: 0.8883 - accuracy: 0.8241
644/750 [=====>.....] - ETA: 0s - loss: 0.8913 - accuracy: 0.8221 - val_loss: 0.8939 - val_accuracy: 0.8207
750/750 [=====>.....] - 0s 583us/step - loss: 0.8913 - accuracy: 0.8221 - val_loss: 0.8939 - val_accuracy: 0.8207
Epoch 39/100

1/750 [.....] - ETA: 0s - loss: 1.1011 - accuracy: 0.7812
106/750 [==>.....] - ETA: 0s - loss: 0.8917 - accuracy: 0.8221
219/750 [=====>.....] - ETA: 0s - loss: 0.8841 - accuracy: 0.8257
324/750 [=====>.....] - ETA: 0s - loss: 0.8878 - accuracy: 0.8246
436/750 [=====>.....] - ETA: 0s - loss: 0.8878 - accuracy: 0.8260
550/750 [=====>.....] - ETA: 0s - loss: 0.8912 - accuracy: 0.8235
659/750 [=====>.....] - ETA: 0s - loss: 0.8899 - accuracy: 0.8227
750/750 [=====>.....] - 0s 569us/step - loss: 0.8914 - accuracy: 0.8214 - val_loss: 0.8977 - val_accuracy: 0.8183
Epoch 40/100

1/750 [.....] - ETA: 0s - loss: 0.8788 - accuracy: 0.8438
110/750 [==>.....] - ETA: 0s - loss: 0.8919 - accuracy: 0.8247
222/750 [=====>.....] - ETA: 0s - loss: 0.8940 - accuracy: 0.8221
322/750 [=====>.....] - ETA: 0s - loss: 0.8892 - accuracy: 0.8239
433/750 [=====>.....] - ETA: 0s - loss: 0.8871 - accuracy: 0.8238
536/750 [=====>.....] - ETA: 0s - loss: 0.8898 - accuracy: 0.8219
636/750 [=====>.....] - ETA: 0s - loss: 0.8913 - accuracy: 0.8214
745/750 [=====>.....] - ETA: 0s - loss: 0.8896 - accuracy: 0.8217
750/750 [=====>.....] - 0s 597us/step - loss: 0.8895 - accuracy: 0.8217

0.8217 - val_loss: 0.8891 - val_accuracy: 0.8200
Epoch 41/100

1/750 [.....] - ETA: 0s - loss: 0.9499 - accuracy:
0.7812
97/750 [==>.....] - ETA: 0s - loss: 0.8788 - accuracy:
0.8270
192/750 [=====>.....] - ETA: 0s - loss: 0.8807 - accuracy:
0.8246
293/750 [=====>.....] - ETA: 0s - loss: 0.8835 - accuracy:
0.8237
403/750 [======>.....] - ETA: 0s - loss: 0.8845 - accuracy:
0.8241
511/750 [======>.....] - ETA: 0s - loss: 0.8864 - accuracy:
0.8226
613/750 [======>.....] - ETA: 0s - loss: 0.8862 - accuracy:
0.8226
711/750 [======>..] - ETA: 0s - loss: 0.8885 - accuracy:
0.8220
750/750 [=====] - 0s 613us/step - loss: 0.8901 - accuracy:
0.8214 - val_loss: 0.8890 - val_accuracy: 0.8215
Epoch 42/100

1/750 [.....] - ETA: 0s - loss: 0.8864 - accuracy:
0.7969
111/750 [==>.....] - ETA: 0s - loss: 0.8968 - accuracy:
0.8180
218/750 [=====>.....] - ETA: 0s - loss: 0.8944 - accuracy:
0.8192
331/750 [======>.....] - ETA: 0s - loss: 0.8918 - accuracy:
0.8201
439/750 [======>.....] - ETA: 0s - loss: 0.8915 - accuracy:
0.8203
537/750 [======>.....] - ETA: 0s - loss: 0.8912 - accuracy:
0.8208
648/750 [======>.....] - ETA: 0s - loss: 0.8903 - accuracy:
0.8218
749/750 [======>.] - ETA: 0s - loss: 0.8896 - accuracy:
0.8220
750/750 [=====] - 0s 585us/step - loss: 0.8895 - accuracy:
0.8221 - val_loss: 0.8933 - val_accuracy: 0.8197
Epoch 43/100

1/750 [.....] - ETA: 0s - loss: 0.9311 - accuracy:
0.8125
102/750 [==>.....] - ETA: 0s - loss: 0.8933 - accuracy:
0.8203
196/750 [=====>.....] - ETA: 0s - loss: 0.8901 - accuracy:
0.8187
300/750 [======>.....] - ETA: 0s - loss: 0.8922 - accuracy:

0.8183 [=====>.....] - ETA: 0s - loss: 0.8910 - accuracy: 0.8209
517/750 [=====>.....] - ETA: 0s - loss: 0.8890 - accuracy: 0.8211
620/750 [=====>.....] - ETA: 0s - loss: 0.8900 - accuracy: 0.8214
731/750 [=====>.] - ETA: 0s - loss: 0.8895 - accuracy: 0.8211
750/750 [=====] - 0s 595us/step - loss: 0.8885 - accuracy: 0.8214 - val_loss: 0.9044 - val_accuracy: 0.8119
Epoch 44/100

1/750 [.....] - ETA: 0s - loss: 0.8683 - accuracy: 0.8125
96/750 [==>.....] - ETA: 0s - loss: 0.8811 - accuracy: 0.8156
203/750 [=====>.....] - ETA: 0s - loss: 0.8926 - accuracy: 0.8154
310/750 [=====>.....] - ETA: 0s - loss: 0.8871 - accuracy: 0.8190
414/750 [=====>.....] - ETA: 0s - loss: 0.8902 - accuracy: 0.8183
522/750 [=====>.....] - ETA: 0s - loss: 0.8887 - accuracy: 0.8194
632/750 [=====>.....] - ETA: 0s - loss: 0.8902 - accuracy: 0.8190
739/750 [=====>.] - ETA: 0s - loss: 0.8882 - accuracy: 0.8200
750/750 [=====] - 0s 593us/step - loss: 0.8883 - accuracy: 0.8200 - val_loss: 0.8886 - val_accuracy: 0.8164
Epoch 45/100

1/750 [.....] - ETA: 0s - loss: 0.7782 - accuracy: 0.8750
111/750 [==>.....] - ETA: 0s - loss: 0.8836 - accuracy: 0.8214
214/750 [=====>.....] - ETA: 0s - loss: 0.8883 - accuracy: 0.8218
321/750 [=====>.....] - ETA: 0s - loss: 0.8861 - accuracy: 0.8221
433/750 [=====>.....] - ETA: 0s - loss: 0.8862 - accuracy: 0.8227
537/750 [=====>.....] - ETA: 0s - loss: 0.8860 - accuracy: 0.8222
648/750 [=====>.....] - ETA: 0s - loss: 0.8867 - accuracy: 0.8218
750/750 [=====] - 0s 580us/step - loss: 0.8874 - accuracy: 0.8220 - val_loss: 0.8868 - val_accuracy: 0.8192
Epoch 46/100

1/750 [.....] - ETA: 0s - loss: 0.9609 - accuracy: 0.7500
108/750 [==>.....] - ETA: 0s - loss: 0.8923 - accuracy: 0.8183
216/750 [=====>.....] - ETA: 0s - loss: 0.8898 - accuracy: 0.8199
327/750 [=====>.....] - ETA: 0s - loss: 0.8896 - accuracy: 0.8217
435/750 [======>.....] - ETA: 0s - loss: 0.8874 - accuracy: 0.8231
540/750 [======>.....] - ETA: 0s - loss: 0.8848 - accuracy: 0.8237
651/750 [======>....] - ETA: 0s - loss: 0.8868 - accuracy: 0.8221
750/750 [=====] - 0s 574us/step - loss: 0.8869 - accuracy: 0.8222 - val_loss: 0.8957 - val_accuracy: 0.8202
Epoch 47/100

1/750 [.....] - ETA: 0s - loss: 0.9304 - accuracy: 0.7812
97/750 [==>.....] - ETA: 0s - loss: 0.8914 - accuracy: 0.8165
207/750 [=====>.....] - ETA: 0s - loss: 0.8883 - accuracy: 0.8202
314/750 [=====>.....] - ETA: 0s - loss: 0.8814 - accuracy: 0.8235
421/750 [======>.....] - ETA: 0s - loss: 0.8826 - accuracy: 0.8229
531/750 [======>.....] - ETA: 0s - loss: 0.8831 - accuracy: 0.8223
641/750 [======>....] - ETA: 0s - loss: 0.8844 - accuracy: 0.8219
746/750 [======>.] - ETA: 0s - loss: 0.8865 - accuracy: 0.8217
750/750 [=====] - 0s 585us/step - loss: 0.8866 - accuracy: 0.8216 - val_loss: 0.8857 - val_accuracy: 0.8224
Epoch 48/100

1/750 [.....] - ETA: 0s - loss: 0.7621 - accuracy: 0.8750
101/750 [==>.....] - ETA: 0s - loss: 0.8885 - accuracy: 0.8244
207/750 [=====>.....] - ETA: 0s - loss: 0.8896 - accuracy: 0.8219
316/750 [=====>.....] - ETA: 0s - loss: 0.8868 - accuracy: 0.8241
425/750 [======>.....] - ETA: 0s - loss: 0.8873 - accuracy: 0.8238
536/750 [======>.....] - ETA: 0s - loss: 0.8881 - accuracy:

0.8221 [=====] - ETA: 0s - loss: 0.8863 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.8863 - accuracy:
0.8217 [=====] - ETA: 0s - loss: 0.8863 - accuracy:
750/750 [=====] - 0s 579us/step - loss: 0.8862 - accuracy:
0.8220 - val_loss: 0.8846 - val_accuracy: 0.8207
Epoch 49/100

1/750 [.....] - ETA: 0s - loss: 0.8962 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.8962 - accuracy:
108/750 [==>.....] - ETA: 0s - loss: 0.8978 - accuracy:
0.8187 [.....] - ETA: 0s - loss: 0.8978 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.8923 - accuracy:
0.8208 [.....] - ETA: 0s - loss: 0.8923 - accuracy:
314/750 [=====>.....] - ETA: 0s - loss: 0.8901 - accuracy:
0.8220 [.....] - ETA: 0s - loss: 0.8901 - accuracy:
412/750 [=====>.....] - ETA: 0s - loss: 0.8877 - accuracy:
0.8229 [.....] - ETA: 0s - loss: 0.8877 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.8897 - accuracy:
0.8224 [.....] - ETA: 0s - loss: 0.8897 - accuracy:
633/750 [=====>.....] - ETA: 0s - loss: 0.8882 - accuracy:
0.8231 [.....] - ETA: 0s - loss: 0.8882 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.8859 - accuracy:
0.8236 [.....] - ETA: 0s - loss: 0.8859 - accuracy:
750/750 [=====] - 0s 601us/step - loss: 0.8859 - accuracy:
0.8237 - val_loss: 0.8856 - val_accuracy: 0.8196
Epoch 50/100

1/750 [.....] - ETA: 0s - loss: 0.9041 - accuracy:
0.7812 [.....] - ETA: 0s - loss: 0.9041 - accuracy:
99/750 [==>.....] - ETA: 0s - loss: 0.8690 - accuracy:
0.8305 [.....] - ETA: 0s - loss: 0.8690 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.8882 - accuracy:
0.8242 [.....] - ETA: 0s - loss: 0.8882 - accuracy:
280/750 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
0.8263 [.....] - ETA: 0s - loss: 0.8821 - accuracy:
392/750 [=====>.....] - ETA: 0s - loss: 0.8888 - accuracy:
0.8230 [.....] - ETA: 0s - loss: 0.8888 - accuracy:
486/750 [=====>.....] - ETA: 0s - loss: 0.8872 - accuracy:
0.8242 [.....] - ETA: 0s - loss: 0.8872 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.8856 - accuracy:
0.8239 [.....] - ETA: 0s - loss: 0.8856 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.8842 - accuracy:
0.8241 [.....] - ETA: 0s - loss: 0.8842 - accuracy:
750/750 [=====] - 0s 633us/step - loss: 0.8855 - accuracy:
0.8237 - val_loss: 0.8931 - val_accuracy: 0.8171
Epoch 51/100

1/750 [.....] - ETA: 0s - loss: 0.8762 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.8762 - accuracy:
99/750 [==>.....] - ETA: 0s - loss: 0.8858 - accuracy:

0.8284 [=====>.....] - ETA: 0s - loss: 0.8824 - accuracy: 0.8277
306/750 [=====>.....] - ETA: 0s - loss: 0.8826 - accuracy: 0.8258
411/750 [=====>.....] - ETA: 0s - loss: 0.8822 - accuracy: 0.8270
508/750 [=====>.....] - ETA: 0s - loss: 0.8831 - accuracy: 0.8262
621/750 [=====>.....] - ETA: 0s - loss: 0.8847 - accuracy: 0.8242
730/750 [=====>.] - ETA: 0s - loss: 0.8834 - accuracy: 0.8245
750/750 [=====] - 0s 597us/step - loss: 0.8847 - accuracy: 0.8240 - val_loss: 0.8870 - val_accuracy: 0.8230
Epoch 52/100

1/750 [.....] - ETA: 0s - loss: 0.8051 - accuracy: 0.8594
98/750 [==>.....] - ETA: 0s - loss: 0.8929 - accuracy: 0.8190
204/750 [=====>.....] - ETA: 0s - loss: 0.8937 - accuracy: 0.8190
311/750 [=====>.....] - ETA: 0s - loss: 0.8892 - accuracy: 0.8211
404/750 [=====>.....] - ETA: 0s - loss: 0.8866 - accuracy: 0.8233
490/750 [=====>.....] - ETA: 0s - loss: 0.8819 - accuracy: 0.8242
577/750 [=====>.....] - ETA: 0s - loss: 0.8812 - accuracy: 0.8252
680/750 [=====>...] - ETA: 0s - loss: 0.8830 - accuracy: 0.8237
750/750 [=====] - 0s 630us/step - loss: 0.8840 - accuracy: 0.8231 - val_loss: 0.8862 - val_accuracy: 0.8202
Epoch 53/100

1/750 [.....] - ETA: 0s - loss: 0.9550 - accuracy: 0.7812
110/750 [==>.....] - ETA: 0s - loss: 0.8814 - accuracy: 0.8294
217/750 [=====>.....] - ETA: 0s - loss: 0.8849 - accuracy: 0.8215
325/750 [=====>.....] - ETA: 0s - loss: 0.8848 - accuracy: 0.8224
435/750 [=====>.....] - ETA: 0s - loss: 0.8832 - accuracy: 0.8226
539/750 [=====>.....] - ETA: 0s - loss: 0.8829 - accuracy: 0.8225
648/750 [=====>.....] - ETA: 0s - loss: 0.8835 - accuracy:

0.8224
750/750 [=====] - 0s 583us/step - loss: 0.8835 - accuracy:
0.8227 - val_loss: 0.8852 - val_accuracy: 0.8213
Epoch 54/100

1/750 [.....] - ETA: 0s - loss: 0.8337 - accuracy:
0.8281
104/750 [==>.....] - ETA: 0s - loss: 0.8769 - accuracy:
0.8266
183/750 [=====>.....] - ETA: 0s - loss: 0.8783 - accuracy:
0.8232
278/750 [=====>.....] - ETA: 0s - loss: 0.8755 - accuracy:
0.8258
374/750 [======>.....] - ETA: 0s - loss: 0.8791 - accuracy:
0.8237
470/750 [======>.....] - ETA: 0s - loss: 0.8838 - accuracy:
0.8224
567/750 [======>.....] - ETA: 0s - loss: 0.8849 - accuracy:
0.8224
666/750 [======>....] - ETA: 0s - loss: 0.8825 - accuracy:
0.8235
750/750 [=====] - 0s 650us/step - loss: 0.8839 - accuracy:
0.8225 - val_loss: 0.8842 - val_accuracy: 0.8217
Epoch 55/100

1/750 [.....] - ETA: 0s - loss: 0.7363 - accuracy:
0.8594
110/750 [==>.....] - ETA: 0s - loss: 0.8922 - accuracy:
0.8190
220/750 [=====>.....] - ETA: 0s - loss: 0.8887 - accuracy:
0.8207
330/750 [=====>.....] - ETA: 0s - loss: 0.8808 - accuracy:
0.8246
434/750 [======>.....] - ETA: 0s - loss: 0.8844 - accuracy:
0.8218
534/750 [======>.....] - ETA: 0s - loss: 0.8827 - accuracy:
0.8220
631/750 [======>....] - ETA: 0s - loss: 0.8813 - accuracy:
0.8230
740/750 [======>.] - ETA: 0s - loss: 0.8831 - accuracy:
0.8228
750/750 [=====] - 0s 594us/step - loss: 0.8836 - accuracy:
0.8226 - val_loss: 0.8846 - val_accuracy: 0.8192
Epoch 56/100

1/750 [.....] - ETA: 0s - loss: 1.0128 - accuracy:
0.8281
111/750 [==>.....] - ETA: 0s - loss: 0.8822 - accuracy:
0.8212
214/750 [=====>.....] - ETA: 0s - loss: 0.8840 - accuracy:

0.8206 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
0.8219 [=====>.....] - ETA: 0s - loss: 0.8836 - accuracy:
410/750 [=====>.....] - ETA: 0s - loss: 0.8820 - accuracy:
0.8204 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
0.8211 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
628/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
0.8219 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
730/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
0.8229 [=====>.....] - ETA: 0s - loss: 0.8831 - accuracy:
750/750 [=====] - 0s 614us/step - loss: 0.8831 - accuracy:
0.8229 - val_loss: 0.8874 - val_accuracy: 0.8209
Epoch 57/100

1/750 [.....] - ETA: 0s - loss: 0.9048 - accuracy:
0.8125 [=====>.....] - ETA: 0s - loss: 0.8888 - accuracy:
98/750 [=====>.....] - ETA: 0s - loss: 0.8831 - accuracy:
0.8202 [=====>.....] - ETA: 0s - loss: 0.8833 - accuracy:
197/750 [=====>.....] - ETA: 0s - loss: 0.8822 - accuracy:
0.8230 [=====>.....] - ETA: 0s - loss: 0.8825 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.8819 - accuracy:
0.8236 [=====>.....] - ETA: 0s - loss: 0.8825 - accuracy:
404/750 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
0.8231 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
0.8231 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
0.8236 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
726/750 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
0.8237 [=====>.....] - ETA: 0s - loss: 0.8828 - accuracy:
750/750 [=====] - 0s 598us/step - loss: 0.8828 - accuracy:
0.8235 - val_loss: 0.8834 - val_accuracy: 0.8207
Epoch 58/100

1/750 [.....] - ETA: 0s - loss: 0.9532 - accuracy:
0.7500 [=====>.....] - ETA: 0s - loss: 0.8859 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.8817 - accuracy:
0.8238 [=====>.....] - ETA: 0s - loss: 0.8813 - accuracy:
192/750 [=====>.....] - ETA: 0s - loss: 0.8829 - accuracy:
0.8245 [=====>.....] - ETA: 0s - loss: 0.8801 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.8807 - accuracy:
0.8234 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
396/750 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
0.8235 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
0.8243 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
0.8233 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
722/750 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:

0.8234
750/750 [=====] - 0s 602us/step - loss: 0.8822 - accuracy:
0.8235 - val_loss: 0.8940 - val_accuracy: 0.8150
Epoch 59/100

1/750 [.....] - ETA: 0s - loss: 0.7773 - accuracy:
0.8906
105/750 [==>.....] - ETA: 0s - loss: 0.8869 - accuracy:
0.8277
217/750 [=====>.....] - ETA: 0s - loss: 0.8880 - accuracy:
0.8267
319/750 [=====>.....] - ETA: 0s - loss: 0.8856 - accuracy:
0.8250
426/750 [=====>.....] - ETA: 0s - loss: 0.8878 - accuracy:
0.8228
540/750 [=====>.....] - ETA: 0s - loss: 0.8849 - accuracy:
0.8233
641/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
0.8235
747/750 [=====>.] - ETA: 0s - loss: 0.8821 - accuracy:
0.8243
750/750 [=====] - 0s 586us/step - loss: 0.8819 - accuracy:
0.8244 - val_loss: 0.8823 - val_accuracy: 0.8213
Epoch 60/100

1/750 [.....] - ETA: 0s - loss: 0.9933 - accuracy:
0.7344
108/750 [==>.....] - ETA: 0s - loss: 0.8843 - accuracy:
0.8239
218/750 [=====>.....] - ETA: 0s - loss: 0.8914 - accuracy:
0.8232
314/750 [=====>.....] - ETA: 0s - loss: 0.8877 - accuracy:
0.8220
427/750 [=====>.....] - ETA: 0s - loss: 0.8821 - accuracy:
0.8241
533/750 [=====>.....] - ETA: 0s - loss: 0.8802 - accuracy:
0.8242
641/750 [=====>.....] - ETA: 0s - loss: 0.8825 - accuracy:
0.8231
745/750 [=====>.] - ETA: 0s - loss: 0.8822 - accuracy:
0.8232
750/750 [=====] - 0s 587us/step - loss: 0.8817 - accuracy:
0.8233 - val_loss: 0.8802 - val_accuracy: 0.8243
Epoch 61/100

1/750 [.....] - ETA: 0s - loss: 0.7692 - accuracy:
0.8750
108/750 [==>.....] - ETA: 0s - loss: 0.8842 - accuracy:
0.8219
214/750 [=====>.....] - ETA: 0s - loss: 0.8755 - accuracy:

0.8249
324/750 [=====>.....] - ETA: 0s - loss: 0.8775 - accuracy:
0.8238
428/750 [=====>.....] - ETA: 0s - loss: 0.8783 - accuracy:
0.8240
535/750 [=====>.....] - ETA: 0s - loss: 0.8804 - accuracy:
0.8237
641/750 [=====>.....] - ETA: 0s - loss: 0.8829 - accuracy:
0.8233
750/750 [=====] - 0s 579us/step - loss: 0.8810 - accuracy:
0.8243 - val_loss: 0.8800 - val_accuracy: 0.8227
Epoch 62/100

1/750 [.....] - ETA: 0s - loss: 0.7913 - accuracy:
0.8750
111/750 [==>.....] - ETA: 0s - loss: 0.8708 - accuracy:
0.8249
217/750 [=====>.....] - ETA: 0s - loss: 0.8777 - accuracy:
0.8217
324/750 [=====>.....] - ETA: 0s - loss: 0.8726 - accuracy:
0.8257
421/750 [=====>.....] - ETA: 0s - loss: 0.8770 - accuracy:
0.8245
529/750 [=====>.....] - ETA: 0s - loss: 0.8815 - accuracy:
0.8234
629/750 [=====>.....] - ETA: 0s - loss: 0.8792 - accuracy:
0.8251
728/750 [=====>.] - ETA: 0s - loss: 0.8808 - accuracy:
0.8241
750/750 [=====] - 0s 598us/step - loss: 0.8810 - accuracy:
0.8238 - val_loss: 0.8838 - val_accuracy: 0.8228
Epoch 63/100

1/750 [.....] - ETA: 0s - loss: 0.9509 - accuracy:
0.7656
71/750 [=>.....] - ETA: 0s - loss: 0.8733 - accuracy:
0.8290
173/750 [=====>.....] - ETA: 0s - loss: 0.8837 - accuracy:
0.8209
275/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy:
0.8232
374/750 [=====>.....] - ETA: 0s - loss: 0.8824 - accuracy:
0.8244
480/750 [=====>.....] - ETA: 0s - loss: 0.8808 - accuracy:
0.8246
582/750 [=====>.....] - ETA: 0s - loss: 0.8801 - accuracy:
0.8254
676/750 [=====>...] - ETA: 0s - loss: 0.8814 - accuracy:
0.8251
750/750 [=====] - 1s 698us/step - loss: 0.8809 - accuracy:

0.8251 - val_loss: 0.8797 - val_accuracy: 0.8226
Epoch 64/100

1/750 [.....] - ETA: 0s - loss: 0.7732 - accuracy: 0.9219
58/750 [=>.....] - ETA: 0s - loss: 0.8636 - accuracy: 0.8346
141/750 [====>.....] - ETA: 0s - loss: 0.8764 - accuracy: 0.8282
245/750 [=====>.....] - ETA: 0s - loss: 0.8789 - accuracy: 0.8267
353/750 [======>.....] - ETA: 0s - loss: 0.8797 - accuracy: 0.8241
460/750 [======>.....] - ETA: 0s - loss: 0.8781 - accuracy: 0.8248
568/750 [======>.....] - ETA: 0s - loss: 0.8793 - accuracy: 0.8240
678/750 [======>...] - ETA: 0s - loss: 0.8790 - accuracy: 0.8248
750/750 [=====] - 0s 633us/step - loss: 0.8807 - accuracy: 0.8242 - val_loss: 0.8784 - val_accuracy: 0.8244
Epoch 65/100

1/750 [.....] - ETA: 0s - loss: 0.7695 - accuracy: 0.9062
103/750 [==>.....] - ETA: 0s - loss: 0.8914 - accuracy: 0.8201
211/750 [=====>.....] - ETA: 0s - loss: 0.8843 - accuracy: 0.8218
321/750 [======>.....] - ETA: 0s - loss: 0.8787 - accuracy: 0.8239
424/750 [======>.....] - ETA: 0s - loss: 0.8794 - accuracy: 0.8242
534/750 [======>.....] - ETA: 0s - loss: 0.8821 - accuracy: 0.8222
642/750 [======>.....] - ETA: 0s - loss: 0.8813 - accuracy: 0.8234
749/750 [======>.] - ETA: 0s - loss: 0.8803 - accuracy: 0.8240
750/750 [=====] - 0s 583us/step - loss: 0.8803 - accuracy: 0.8240 - val_loss: 0.8799 - val_accuracy: 0.8236
Epoch 66/100

1/750 [.....] - ETA: 0s - loss: 0.7699 - accuracy: 0.8906
104/750 [==>.....] - ETA: 0s - loss: 0.8759 - accuracy: 0.8268
214/750 [=====>.....] - ETA: 0s - loss: 0.8745 - accuracy: 0.8270
322/750 [======>.....] - ETA: 0s - loss: 0.8779 - accuracy:

0.8254 [=====>.....] - ETA: 0s - loss: 0.8803 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.8803 - accuracy:
0.8249 [=====>.....] - ETA: 0s - loss: 0.8796 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.8796 - accuracy:
0.8254 [=====>.....] - ETA: 0s - loss: 0.8793 - accuracy:
646/750 [=====>.....] - ETA: 0s - loss: 0.8793 - accuracy:
0.8255 [=====>.....] - ETA: 0s - loss: 0.8807 - accuracy:
750/750 [=====] - 0s 581us/step - loss: 0.8807 - accuracy:
0.8249 - val_loss: 0.8788 - val_accuracy: 0.8217
Epoch 67/100

1/750 [.....] - ETA: 0s - loss: 0.9031 - accuracy:
0.8125 [====>.....] - ETA: 0s - loss: 0.8812 - accuracy:
104/750 [====>.....] - ETA: 0s - loss: 0.8812 - accuracy:
0.8250 [====>.....] - ETA: 0s - loss: 0.8834 - accuracy:
213/750 [====>.....] - ETA: 0s - loss: 0.8834 - accuracy:
0.8228 [====>.....] - ETA: 0s - loss: 0.8808 - accuracy:
318/750 [====>.....] - ETA: 0s - loss: 0.8808 - accuracy:
0.8252 [====>.....] - ETA: 0s - loss: 0.8784 - accuracy:
426/750 [====>.....] - ETA: 0s - loss: 0.8784 - accuracy:
0.8259 [====>.....] - ETA: 0s - loss: 0.8771 - accuracy:
532/750 [====>.....] - ETA: 0s - loss: 0.8771 - accuracy:
0.8265 [====>.....] - ETA: 0s - loss: 0.8775 - accuracy:
639/750 [====>.....] - ETA: 0s - loss: 0.8775 - accuracy:
0.8256 [====>.....] - ETA: 0s - loss: 0.8793 - accuracy:
744/750 [====>.....] - ETA: 0s - loss: 0.8793 - accuracy:
0.8246 [====>.....] - ETA: 0s - loss: 0.8799 - accuracy:
750/750 [=====] - 0s 597us/step - loss: 0.8799 - accuracy:
0.8242 - val_loss: 0.8922 - val_accuracy: 0.8206
Epoch 68/100

1/750 [.....] - ETA: 0s - loss: 0.7430 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.8615 - accuracy:
104/750 [====>.....] - ETA: 0s - loss: 0.8615 - accuracy:
0.8334 [====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
206/750 [====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
0.8255 [====>.....] - ETA: 0s - loss: 0.8735 - accuracy:
311/750 [====>.....] - ETA: 0s - loss: 0.8735 - accuracy:
0.8280 [====>.....] - ETA: 0s - loss: 0.8770 - accuracy:
418/750 [====>.....] - ETA: 0s - loss: 0.8770 - accuracy:
0.8261 [====>.....] - ETA: 0s - loss: 0.8779 - accuracy:
527/750 [====>.....] - ETA: 0s - loss: 0.8779 - accuracy:
0.8248 [====>.....] - ETA: 0s - loss: 0.8795 - accuracy:
639/750 [====>.....] - ETA: 0s - loss: 0.8795 - accuracy:
0.8242 [====>.....] - ETA: 0s - loss: 0.8794 - accuracy:
745/750 [====>.....] - ETA: 0s - loss: 0.8794 - accuracy:
0.8245 [====>.....] - ETA: 0s - loss: 0.8795 - accuracy:
750/750 [=====] - 0s 581us/step - loss: 0.8795 - accuracy:
0.8246 - val_loss: 0.8817 - val_accuracy: 0.8225
Epoch 69/100

1/750 [.....] - ETA: 0s - loss: 0.8169 - accuracy: 0.8125
108/750 [==>.....] - ETA: 0s - loss: 0.8783 - accuracy: 0.8225
214/750 [=====>.....] - ETA: 0s - loss: 0.8795 - accuracy: 0.8221
320/750 [=====>.....] - ETA: 0s - loss: 0.8809 - accuracy: 0.8230
423/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy: 0.8224
535/750 [=====>.....] - ETA: 0s - loss: 0.8814 - accuracy: 0.8232
646/750 [=====>.....] - ETA: 0s - loss: 0.8798 - accuracy: 0.8242
750/750 [=====>.....] - 0s 582us/step - loss: 0.8797 - accuracy: 0.8239 - val_loss: 0.8765 - val_accuracy: 0.8233
Epoch 70/100

1/750 [.....] - ETA: 0s - loss: 0.8347 - accuracy: 0.8750
106/750 [==>.....] - ETA: 0s - loss: 0.8687 - accuracy: 0.8345
217/750 [=====>.....] - ETA: 0s - loss: 0.8703 - accuracy: 0.8320
327/750 [=====>.....] - ETA: 0s - loss: 0.8738 - accuracy: 0.8266
437/750 [=====>.....] - ETA: 0s - loss: 0.8767 - accuracy: 0.8260
548/750 [=====>.....] - ETA: 0s - loss: 0.8751 - accuracy: 0.8273
654/750 [=====>.....] - ETA: 0s - loss: 0.8787 - accuracy: 0.8251
750/750 [=====>.....] - 0s 574us/step - loss: 0.8792 - accuracy: 0.8245 - val_loss: 0.8808 - val_accuracy: 0.8210
Epoch 71/100

1/750 [.....] - ETA: 0s - loss: 0.8038 - accuracy: 0.7969
112/750 [==>.....] - ETA: 0s - loss: 0.8668 - accuracy: 0.8248
223/750 [=====>.....] - ETA: 0s - loss: 0.8704 - accuracy: 0.8239
323/750 [=====>.....] - ETA: 0s - loss: 0.8779 - accuracy: 0.8224
431/750 [=====>.....] - ETA: 0s - loss: 0.8807 - accuracy: 0.8218
537/750 [=====>.....] - ETA: 0s - loss: 0.8782 - accuracy: 0.8241
639/750 [=====>.....] - ETA: 0s - loss: 0.8793 - accuracy:

0.8237 [=====>.] - ETA: 0s - loss: 0.8791 - accuracy: 0.8243
750/750 [=====] - 0s 582us/step - loss: 0.8791 - accuracy: 0.8242 - val_loss: 0.8838 - val_accuracy: 0.8186
Epoch 72/100

1/750 [.....] - ETA: 0s - loss: 0.7710 - accuracy: 0.8438
107/750 [==>.....] - ETA: 0s - loss: 0.8859 - accuracy: 0.8197
216/750 [=====>.....] - ETA: 0s - loss: 0.8833 - accuracy: 0.8224
316/750 [=====>.....] - ETA: 0s - loss: 0.8774 - accuracy: 0.8252
419/750 [=====>.....] - ETA: 0s - loss: 0.8772 - accuracy: 0.8259
511/750 [=====>.....] - ETA: 0s - loss: 0.8788 - accuracy: 0.8251
610/750 [=====>.....] - ETA: 0s - loss: 0.8778 - accuracy: 0.8251
721/750 [=====>..] - ETA: 0s - loss: 0.8770 - accuracy: 0.8252
750/750 [=====] - 0s 601us/step - loss: 0.8783 - accuracy: 0.8248 - val_loss: 0.8770 - val_accuracy: 0.8208
Epoch 73/100

1/750 [.....] - ETA: 0s - loss: 0.7892 - accuracy: 0.8281
112/750 [==>.....] - ETA: 0s - loss: 0.8833 - accuracy: 0.8244
216/750 [=====>.....] - ETA: 0s - loss: 0.8867 - accuracy: 0.8230
325/750 [=====>.....] - ETA: 0s - loss: 0.8822 - accuracy: 0.8237
434/750 [=====>.....] - ETA: 0s - loss: 0.8815 - accuracy: 0.8236
541/750 [=====>.....] - ETA: 0s - loss: 0.8799 - accuracy: 0.8238
648/750 [=====>.....] - ETA: 0s - loss: 0.8804 - accuracy: 0.8244
750/750 [=====] - ETA: 0s - loss: 0.8789 - accuracy: 0.8255
750/750 [=====] - 0s 582us/step - loss: 0.8789 - accuracy: 0.8255 - val_loss: 0.8786 - val_accuracy: 0.8226
Epoch 74/100

1/750 [.....] - ETA: 0s - loss: 0.8790 - accuracy: 0.7969
110/750 [==>.....] - ETA: 0s - loss: 0.8806 - accuracy:

0.8266 [.....] - ETA: 0s - loss: 0.8782 - accuracy: 0.8245
217/750 [=====>.....] - ETA: 0s - loss: 0.8782 - accuracy: 0.8245
326/750 [======>.....] - ETA: 0s - loss: 0.8822 - accuracy: 0.8223
432/750 [======>.....] - ETA: 0s - loss: 0.8825 - accuracy: 0.8219
537/750 [======>.....] - ETA: 0s - loss: 0.8785 - accuracy: 0.8239
647/750 [======>.....] - ETA: 0s - loss: 0.8757 - accuracy: 0.8254
750/750 [=====] - 0s 581us/step - loss: 0.8780 - accuracy: 0.8246 - val_loss: 0.8818 - val_accuracy: 0.8194
Epoch 75/100

1/750 [.....] - ETA: 0s - loss: 0.7549 - accuracy: 0.8906
106/750 [==>.....] - ETA: 0s - loss: 0.8733 - accuracy: 0.8317
214/750 [=====>.....] - ETA: 0s - loss: 0.8786 - accuracy: 0.8259
324/750 [======>.....] - ETA: 0s - loss: 0.8849 - accuracy: 0.8225
432/750 [======>.....] - ETA: 0s - loss: 0.8836 - accuracy: 0.8228
542/750 [======>.....] - ETA: 0s - loss: 0.8818 - accuracy: 0.8233
649/750 [======>.....] - ETA: 0s - loss: 0.8788 - accuracy: 0.8253
750/750 [=====] - 0s 574us/step - loss: 0.8780 - accuracy: 0.8255 - val_loss: 0.8889 - val_accuracy: 0.8182
Epoch 76/100

1/750 [.....] - ETA: 0s - loss: 0.8747 - accuracy: 0.8125
102/750 [==>.....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8252
210/750 [=====>.....] - ETA: 0s - loss: 0.8760 - accuracy: 0.8238
313/750 [======>.....] - ETA: 0s - loss: 0.8705 - accuracy: 0.8276
424/750 [======>.....] - ETA: 0s - loss: 0.8713 - accuracy: 0.8267
536/750 [======>.....] - ETA: 0s - loss: 0.8770 - accuracy: 0.8249
634/750 [======>.....] - ETA: 0s - loss: 0.8773 - accuracy: 0.8252
733/750 [======>.] - ETA: 0s - loss: 0.8779 - accuracy: 0.8248
750/750 [=====] - 0s 594us/step - loss: 0.8776 - accuracy:

0.8249 - val_loss: 0.8772 - val_accuracy: 0.8228
Epoch 77/100

1/750 [.....] - ETA: 0s - loss: 0.8943 - accuracy: 0.8281
111/750 [==>.....] - ETA: 0s - loss: 0.8848 - accuracy: 0.8236
220/750 [=====>.....] - ETA: 0s - loss: 0.8771 - accuracy: 0.8247
329/750 [=====>.....] - ETA: 0s - loss: 0.8801 - accuracy: 0.8247
435/750 [======>.....] - ETA: 0s - loss: 0.8779 - accuracy: 0.8256
543/750 [======>.....] - ETA: 0s - loss: 0.8766 - accuracy: 0.8257
653/750 [======>....] - ETA: 0s - loss: 0.8789 - accuracy: 0.8246
750/750 [=====] - 0s 573us/step - loss: 0.8775 - accuracy: 0.8255 - val_loss: 0.8836 - val_accuracy: 0.8228
Epoch 78/100

1/750 [.....] - ETA: 0s - loss: 0.9980 - accuracy: 0.7656
110/750 [==>.....] - ETA: 0s - loss: 0.8826 - accuracy: 0.8243
218/750 [=====>.....] - ETA: 0s - loss: 0.8814 - accuracy: 0.8247
323/750 [=====>.....] - ETA: 0s - loss: 0.8795 - accuracy: 0.8256
434/750 [======>.....] - ETA: 0s - loss: 0.8755 - accuracy: 0.8263
541/750 [======>.....] - ETA: 0s - loss: 0.8762 - accuracy: 0.8267
647/750 [======>....] - ETA: 0s - loss: 0.8775 - accuracy: 0.8257
750/750 [=====] - 0s 579us/step - loss: 0.8782 - accuracy: 0.8252 - val_loss: 0.8803 - val_accuracy: 0.8217
Epoch 79/100

1/750 [.....] - ETA: 0s - loss: 0.9896 - accuracy: 0.7969
111/750 [==>.....] - ETA: 0s - loss: 0.8596 - accuracy: 0.8339
214/750 [=====>.....] - ETA: 0s - loss: 0.8619 - accuracy: 0.8329
322/750 [=====>.....] - ETA: 0s - loss: 0.8668 - accuracy: 0.8312
434/750 [======>.....] - ETA: 0s - loss: 0.8715 - accuracy: 0.8283
532/750 [======>.....] - ETA: 0s - loss: 0.8730 - accuracy:

0.8274 [=====>.....] - ETA: 0s - loss: 0.8760 - accuracy:
0.8252 [=====>.....] - ETA: 0s - loss: 0.8774 - accuracy:
749/750 [=====>.....] - ETA: 0s - loss: 0.8773 - accuracy:
0.8253 [=====>.....] - 0s 582us/step - loss: 0.8773 - accuracy:
0.8253 - val_loss: 0.8834 - val_accuracy: 0.8194
Epoch 80/100

1/750 [=====>.....] - ETA: 0s - loss: 0.8477 - accuracy:
0.8438 [=====>.....] - ETA: 0s - loss: 0.8716 - accuracy:
109/750 [=====>.....] - ETA: 0s - loss: 0.8840 - accuracy:
0.8277 [=====>.....] - ETA: 0s - loss: 0.8815 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.8812 - accuracy:
0.8224 [=====>.....] - ETA: 0s - loss: 0.8796 - accuracy:
328/750 [=====>.....] - ETA: 0s - loss: 0.8800 - accuracy:
0.8228 [=====>.....] - 0s 574us/step - loss: 0.8773 - accuracy:
436/750 [=====>.....] - val_loss: 0.8821 - val_accuracy: 0.8192
0.8229 [=====>.....] -
547/750 [=====>.....] -
0.8223 [=====>.....] -
656/750 [=====>.....] -
0.8225 [=====>.....] -
750/750 [=====>.....] -
0.8234 -
Epoch 81/100

1/750 [=====>.....] - ETA: 0s - loss: 0.9852 - accuracy:
0.7656 [=====>.....] - ETA: 0s - loss: 0.8710 - accuracy:
108/750 [=====>.....] - ETA: 0s - loss: 0.8705 - accuracy:
0.8248 [=====>.....] - ETA: 0s - loss: 0.8718 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.8732 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.8762 - accuracy:
327/750 [=====>.....] - ETA: 0s - loss: 0.8781 - accuracy:
0.8293 [=====>.....] - 0s 575us/step - loss: 0.8771 - accuracy:
434/750 [=====>.....] - val_loss: 0.8823 - val_accuracy: 0.8182
0.8280 [=====>.....] -
539/750 [=====>.....] -
0.8262 [=====>.....] -
647/750 [=====>.....] -
0.8246 [=====>.....] -
750/750 [=====>.....] -
0.8249 -
Epoch 82/100

1/750 [=====>.....] - ETA: 0s - loss: 1.0048 - accuracy:
0.7344 [=====>.....] - ETA: 0s - loss: 0.8814 - accuracy:
104/750 [=====>.....] - ETA: 0s - loss: 0.8808 - accuracy:

0.8254 [.....] - ETA: 0s - loss: 0.8743 - accuracy: 323/750 [=====>.....] - ETA: 0s - loss: 0.8743 - accuracy: 0.8268 [.....] - ETA: 0s - loss: 0.8748 - accuracy: 434/750 [=====>.....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8266 [.....] - ETA: 0s - loss: 0.8768 - accuracy: 544/750 [=====>.....] - ETA: 0s - loss: 0.8769 - accuracy: 0.8258 [.....] - ETA: 0s - loss: 0.8769 - accuracy: 650/750 [=====>....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8262 [.....] - 0s 573us/step - loss: 0.8768 - accuracy: 750/750 [=====] - 0s 573us/step - loss: 0.8768 - accuracy: 0.8262 - val_loss: 0.8770 - val_accuracy: 0.8223
Epoch 83/100

1/750 [.....] - ETA: 0s - loss: 0.8322 - accuracy: 0.8281 [.....] - ETA: 0s - loss: 0.8825 - accuracy: 109/750 [==>.....] - ETA: 0s - loss: 0.8825 - accuracy: 0.8245 [.....] - ETA: 0s - loss: 0.8774 - accuracy: 218/750 [=====>.....] - ETA: 0s - loss: 0.8823 - accuracy: 0.8272 [.....] - ETA: 0s - loss: 0.8823 - accuracy: 319/750 [=====>.....] - ETA: 0s - loss: 0.8788 - accuracy: 0.8231 [.....] - ETA: 0s - loss: 0.8771 - accuracy: 430/750 [=====>.....] - ETA: 0s - loss: 0.8771 - accuracy: 0.8247 [.....] - ETA: 0s - loss: 0.8770 - accuracy: 539/750 [=====>.....] - ETA: 0s - loss: 0.8770 - accuracy: 0.8248 [.....] - ETA: 0s - loss: 0.8768 - accuracy: 644/750 [=====>....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8253 [.....] - 0s 582us/step - loss: 0.8768 - accuracy: 750/750 [=====] - 0s 582us/step - loss: 0.8768 - accuracy: 0.8248 - val_loss: 0.8804 - val_accuracy: 0.8232
Epoch 84/100

1/750 [.....] - ETA: 0s - loss: 0.7655 - accuracy: 0.8906 [.....] - ETA: 0s - loss: 0.8698 - accuracy: 112/750 [==>.....] - ETA: 0s - loss: 0.8743 - accuracy: 0.8284 [.....] - ETA: 0s - loss: 0.8804 - accuracy: 221/750 [=====>.....] - ETA: 0s - loss: 0.8804 - accuracy: 0.8273 [.....] - ETA: 0s - loss: 0.8803 - accuracy: 325/750 [=====>.....] - ETA: 0s - loss: 0.8758 - accuracy: 0.8239 [.....] - ETA: 0s - loss: 0.8758 - accuracy: 436/750 [=====>.....] - ETA: 0s - loss: 0.8779 - accuracy: 0.8236 [.....] - ETA: 0s - loss: 0.8779 - accuracy: 545/750 [=====>.....] - 0s 575us/step - loss: 0.8763 - accuracy: 0.8251 [.....] - 0s 575us/step - loss: 0.8763 - accuracy: 653/750 [=====>....] - 0s 575us/step - loss: 0.8763 - accuracy: 750/750 [=====] - 0s 575us/step - loss: 0.8763 - accuracy: 0.8259 - val_loss: 0.8765 - val_accuracy: 0.8238
Epoch 85/100

1/750 [.....] - ETA: 0s - loss: 0.8818 - accuracy:

0.8281 [.....] - ETA: 0s - loss: 0.8861 - accuracy: 111/750 [==>.....] - ETA: 0s - loss: 0.8228 [.....] 219/750 [=====>.....] - ETA: 0s - loss: 0.8773 - accuracy: 0.8251 [.....] 325/750 [=====>.....] - ETA: 0s - loss: 0.8804 - accuracy: 0.8239 [.....] 437/750 [=====>.....] - ETA: 0s - loss: 0.8764 - accuracy: 0.8257 [.....] 541/750 [=====>.....] - ETA: 0s - loss: 0.8764 - accuracy: 0.8245 [.....] 653/750 [=====>....] - ETA: 0s - loss: 0.8772 - accuracy: 0.8242 [.....] 750/750 [=====>] - 0s 577us/step - loss: 0.8764 - accuracy: 0.8248 - val_loss: 0.8815 - val_accuracy: 0.8198 Epoch 86/100

1/750 [.....] - ETA: 0s - loss: 0.8946 - accuracy: 0.7969 [.....] 109/750 [==>.....] - ETA: 0s - loss: 0.8855 - accuracy: 0.8200 [.....] 211/750 [=====>.....] - ETA: 0s - loss: 0.8870 - accuracy: 0.8191 [.....] 322/750 [=====>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.8219 [.....] 432/750 [=====>.....] - ETA: 0s - loss: 0.8766 - accuracy: 0.8249 [.....] 535/750 [=====>.....] - ETA: 0s - loss: 0.8772 - accuracy: 0.8247 [.....] 645/750 [=====>....] - ETA: 0s - loss: 0.8773 - accuracy: 0.8249 [.....] 749/750 [=====>.] - ETA: 0s - loss: 0.8770 - accuracy: 0.8247 [.....] 750/750 [=====>] - 0s 582us/step - loss: 0.8769 - accuracy: 0.8247 - val_loss: 0.8778 - val_accuracy: 0.8227 Epoch 87/100

1/750 [.....] - ETA: 0s - loss: 0.8416 - accuracy: 0.8438 [.....] 108/750 [==>.....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8232 [.....] 216/750 [=====>.....] - ETA: 0s - loss: 0.8706 - accuracy: 0.8286 [.....] 327/750 [=====>.....] - ETA: 0s - loss: 0.8746 - accuracy: 0.8267 [.....] 437/750 [=====>.....] - ETA: 0s - loss: 0.8720 - accuracy: 0.8272 [.....] 544/750 [=====>.....] - ETA: 0s - loss: 0.8731 - accuracy: 0.8271 [.....] 654/750 [=====>....] - ETA: 0s - loss: 0.8747 - accuracy:

0.8259
750/750 [=====] - 0s 574us/step - loss: 0.8757 - accuracy:
0.8255 - val_loss: 0.8772 - val_accuracy: 0.8224
Epoch 88/100

1/750 [.....] - ETA: 0s - loss: 0.8028 - accuracy:
0.8750
110/750 [==>.....] - ETA: 0s - loss: 0.8749 - accuracy:
0.8253
215/750 [=====>.....] - ETA: 0s - loss: 0.8790 - accuracy:
0.8240
323/750 [=====>.....] - ETA: 0s - loss: 0.8785 - accuracy:
0.8261
429/750 [=====>.....] - ETA: 0s - loss: 0.8745 - accuracy:
0.8278
535/750 [=====>.....] - ETA: 0s - loss: 0.8750 - accuracy:
0.8270
646/750 [=====>.....] - ETA: 0s - loss: 0.8753 - accuracy:
0.8256
750/750 [=====] - 0s 579us/step - loss: 0.8757 - accuracy:
0.8256 - val_loss: 0.8847 - val_accuracy: 0.8156
Epoch 89/100

1/750 [.....] - ETA: 0s - loss: 0.7029 - accuracy:
0.9062
108/750 [==>.....] - ETA: 0s - loss: 0.8909 - accuracy:
0.8166
216/750 [=====>.....] - ETA: 0s - loss: 0.8846 - accuracy:
0.8196
330/750 [=====>.....] - ETA: 0s - loss: 0.8786 - accuracy:
0.8235
437/750 [=====>.....] - ETA: 0s - loss: 0.8770 - accuracy:
0.8243
547/750 [=====>.....] - ETA: 0s - loss: 0.8768 - accuracy:
0.8241
659/750 [=====>....] - ETA: 0s - loss: 0.8750 - accuracy:
0.8249
750/750 [=====] - 0s 569us/step - loss: 0.8756 - accuracy:
0.8248 - val_loss: 0.8795 - val_accuracy: 0.8231
Epoch 90/100

1/750 [.....] - ETA: 0s - loss: 0.9325 - accuracy:
0.7812
104/750 [==>.....] - ETA: 0s - loss: 0.8722 - accuracy:
0.8263
212/750 [=====>.....] - ETA: 0s - loss: 0.8773 - accuracy:
0.8227
325/750 [=====>.....] - ETA: 0s - loss: 0.8767 - accuracy:
0.8247
430/750 [=====>.....] - ETA: 0s - loss: 0.8783 - accuracy:

0.8255
538/750 [=====>.....] - ETA: 0s - loss: 0.8798 - accuracy:
0.8242
644/750 [=====>.....] - ETA: 0s - loss: 0.8781 - accuracy:
0.8246
739/750 [=====>.] - ETA: 0s - loss: 0.8757 - accuracy:
0.8263
750/750 [=====] - 0s 586us/step - loss: 0.8759 - accuracy:
0.8263 - val_loss: 0.8776 - val_accuracy: 0.8217
Epoch 91/100

1/750 [.....] - ETA: 0s - loss: 0.8299 - accuracy:
0.7969
107/750 [==>.....] - ETA: 0s - loss: 0.8750 - accuracy:
0.8242
216/750 [=====>.....] - ETA: 0s - loss: 0.8777 - accuracy:
0.8235
319/750 [=====>.....] - ETA: 0s - loss: 0.8776 - accuracy:
0.8237
422/750 [=====>.....] - ETA: 0s - loss: 0.8773 - accuracy:
0.8224
534/750 [=====>.....] - ETA: 0s - loss: 0.8748 - accuracy:
0.8239
639/750 [=====>.....] - ETA: 0s - loss: 0.8746 - accuracy:
0.8246
744/750 [=====>.] - ETA: 0s - loss: 0.8754 - accuracy:
0.8243
750/750 [=====] - 0s 587us/step - loss: 0.8756 - accuracy:
0.8242 - val_loss: 0.8813 - val_accuracy: 0.8213
Epoch 92/100

1/750 [.....] - ETA: 0s - loss: 1.0585 - accuracy:
0.7500
108/750 [==>.....] - ETA: 0s - loss: 0.8708 - accuracy:
0.8274
220/750 [=====>.....] - ETA: 0s - loss: 0.8679 - accuracy:
0.8286
326/750 [=====>.....] - ETA: 0s - loss: 0.8645 - accuracy:
0.8301
433/750 [=====>.....] - ETA: 0s - loss: 0.8672 - accuracy:
0.8288
542/750 [=====>.....] - ETA: 0s - loss: 0.8721 - accuracy:
0.8270
650/750 [=====>....] - ETA: 0s - loss: 0.8740 - accuracy:
0.8262
750/750 [=====] - 0s 578us/step - loss: 0.8759 - accuracy:
0.8260 - val_loss: 0.8748 - val_accuracy: 0.8241
Epoch 93/100

1/750 [.....] - ETA: 0s - loss: 1.1325 - accuracy:

0.7500
110/750 [==>.....] - ETA: 0s - loss: 0.8720 - accuracy: 0.8274
218/750 [=====>.....] - ETA: 0s - loss: 0.8700 - accuracy: 0.8299
328/750 [======>.....] - ETA: 0s - loss: 0.8752 - accuracy: 0.8266
438/750 [======>.....] - ETA: 0s - loss: 0.8747 - accuracy: 0.8259
541/750 [======>.....] - ETA: 0s - loss: 0.8749 - accuracy: 0.8262
648/750 [======>.....] - ETA: 0s - loss: 0.8745 - accuracy: 0.8256
750/750 [=====] - 0s 573us/step - loss: 0.8748 - accuracy: 0.8264 - val_loss: 0.8759 - val_accuracy: 0.8228
Epoch 94/100

1/750 [.....] - ETA: 0s - loss: 0.9224 - accuracy: 0.7969
112/750 [==>.....] - ETA: 0s - loss: 0.8764 - accuracy: 0.8228
221/750 [=====>.....] - ETA: 0s - loss: 0.8695 - accuracy: 0.8256
329/750 [======>.....] - ETA: 0s - loss: 0.8691 - accuracy: 0.8277
440/750 [======>.....] - ETA: 0s - loss: 0.8711 - accuracy: 0.8267
547/750 [======>.....] - ETA: 0s - loss: 0.8738 - accuracy: 0.8264
659/750 [======>....] - ETA: 0s - loss: 0.8754 - accuracy: 0.8255
750/750 [=====] - 0s 573us/step - loss: 0.8749 - accuracy: 0.8255 - val_loss: 0.8779 - val_accuracy: 0.8208
Epoch 95/100

1/750 [.....] - ETA: 0s - loss: 0.9172 - accuracy: 0.7969
108/750 [==>.....] - ETA: 0s - loss: 0.8812 - accuracy: 0.8235
214/750 [=====>.....] - ETA: 0s - loss: 0.8788 - accuracy: 0.8227
322/750 [======>.....] - ETA: 0s - loss: 0.8737 - accuracy: 0.8259
423/750 [======>.....] - ETA: 0s - loss: 0.8726 - accuracy: 0.8265
525/750 [======>.....] - ETA: 0s - loss: 0.8732 - accuracy: 0.8261
622/750 [======>.....] - ETA: 0s - loss: 0.8741 - accuracy: 0.8257
714/750 [======>..] - ETA: 0s - loss: 0.8755 - accuracy:

0.8255
750/750 [=====] - 0s 610us/step - loss: 0.8755 - accuracy:
0.8254 - val_loss: 0.8771 - val_accuracy: 0.8235
Epoch 96/100

1/750 [.....] - ETA: 0s - loss: 0.8750 - accuracy:
0.8438
103/750 [==>.....] - ETA: 0s - loss: 0.8620 - accuracy:
0.8272
209/750 [=====>.....] - ETA: 0s - loss: 0.8680 - accuracy:
0.8278
315/750 [=====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
0.8258
424/750 [=====>.....] - ETA: 0s - loss: 0.8737 - accuracy:
0.8266
533/750 [=====>.....] - ETA: 0s - loss: 0.8755 - accuracy:
0.8254
643/750 [=====>.....] - ETA: 0s - loss: 0.8754 - accuracy:
0.8255
749/750 [=====>.] - ETA: 0s - loss: 0.8749 - accuracy:
0.8259
750/750 [=====] - 0s 579us/step - loss: 0.8749 - accuracy:
0.8259 - val_loss: 0.8759 - val_accuracy: 0.8237
Epoch 97/100

1/750 [.....] - ETA: 0s - loss: 0.8355 - accuracy:
0.8750
106/750 [==>.....] - ETA: 0s - loss: 0.8814 - accuracy:
0.8244
219/750 [=====>.....] - ETA: 0s - loss: 0.8736 - accuracy:
0.8256
326/750 [=====>.....] - ETA: 0s - loss: 0.8784 - accuracy:
0.8241
433/750 [=====>.....] - ETA: 0s - loss: 0.8775 - accuracy:
0.8246
541/750 [=====>.....] - ETA: 0s - loss: 0.8785 - accuracy:
0.8239
647/750 [=====>.....] - ETA: 0s - loss: 0.8783 - accuracy:
0.8240
750/750 [=====] - 0s 579us/step - loss: 0.8749 - accuracy:
0.8253 - val_loss: 0.8758 - val_accuracy: 0.8236
Epoch 98/100

1/750 [.....] - ETA: 0s - loss: 0.8865 - accuracy:
0.8281
108/750 [==>.....] - ETA: 0s - loss: 0.8770 - accuracy:
0.8267
213/750 [=====>.....] - ETA: 0s - loss: 0.8717 - accuracy:
0.8278
318/750 [=====>.....] - ETA: 0s - loss: 0.8775 - accuracy:

0.8249
427/750 [=====>.....] - ETA: 0s - loss: 0.8760 - accuracy: 0.8263
531/750 [=====>.....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8256
642/750 [=====>.....] - ETA: 0s - loss: 0.8758 - accuracy: 0.8257
750/750 [=====] - 0s 583us/step - loss: 0.8747 - accuracy: 0.8260 - val_loss: 0.8762 - val_accuracy: 0.8210
Epoch 99/100

1/750 [.....] - ETA: 0s - loss: 0.9683 - accuracy: 0.7812
114/750 [==>.....] - ETA: 0s - loss: 0.8726 - accuracy: 0.8236
221/750 [=====>.....] - ETA: 0s - loss: 0.8755 - accuracy: 0.8220
332/750 [=====>.....] - ETA: 0s - loss: 0.8757 - accuracy: 0.8231
443/750 [=====>.....] - ETA: 0s - loss: 0.8724 - accuracy: 0.8263
553/750 [=====>.....] - ETA: 0s - loss: 0.8724 - accuracy: 0.8266
664/750 [=====>....] - ETA: 0s - loss: 0.8719 - accuracy: 0.8269
750/750 [=====] - 0s 571us/step - loss: 0.8743 - accuracy: 0.8259 - val_loss: 0.8961 - val_accuracy: 0.8105
Epoch 100/100

1/750 [.....] - ETA: 0s - loss: 0.8595 - accuracy: 0.8594
110/750 [==>.....] - ETA: 0s - loss: 0.8681 - accuracy: 0.8247
216/750 [=====>.....] - ETA: 0s - loss: 0.8750 - accuracy: 0.8251
326/750 [=====>.....] - ETA: 0s - loss: 0.8776 - accuracy: 0.8249
433/750 [=====>.....] - ETA: 0s - loss: 0.8742 - accuracy: 0.8253
535/750 [=====>.....] - ETA: 0s - loss: 0.8745 - accuracy: 0.8256
647/750 [=====>.....] - ETA: 0s - loss: 0.8753 - accuracy: 0.8256
750/750 [=====] - 0s 575us/step - loss: 0.8744 - accuracy: 0.8264 - val_loss: 0.8738 - val_accuracy: 0.8217

1/313 [.....] - ETA: 3s - loss: 0.9921 - accuracy: 0.8125
139/313 [=====>.....] - ETA: 0s - loss: 0.8990 - accuracy: 0.8199


```
277/313 [=====>....] - ETA: 0s - loss: 0.8965 - accuracy:
0.8160
313/313 [=====] - 0s 372us/step - loss: 0.8967 - accuracy:
0.8156
Testing loss: 0.8967053890228271
Testing accuracy: 81.5599779701233%
```

Testing problem_3b:

```
Importing MNIST Dataset...
(48000, 784) train samples
(12000, 784) validation samples
(10000, 784) test samples
```

```
(48000, 10) train labels
(12000, 10) validation labels
(10000, 10) test labels
```

Running for Model 1/12

Model: "sequential_1"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 40)	31400
hidden1 (Dense)	(None, 40)	1640
hidden2 (Dense)	(None, 40)	1640
hidden3 (Dense)	(None, 40)	1640
output_layer (Dense)	(None, 10)	410

```
=====  
Total params: 36,730  
Trainable params: 36,730  
Non-trainable params: 0  
=====
```

```
Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.01 and  
L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 40,  
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':  
40, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 40,  
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 40,  
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,  
'activation_function': 'softmax'}]
```

Epoch 1/220

```
1/750 [.....] - ETA: 2:08 - loss: 2.5158 - accuracy:
0.1250
75/750 [==>.....] - ETA: 0s - loss: 2.4652 - accuracy: 0.1094
153/750 [=====>.....] - ETA: 0s - loss: 2.3688 - accuracy:
0.1863
235/750 [=====>.....] - ETA: 0s - loss: 2.2122 - accuracy:
0.2709
323/750 [======>.....] - ETA: 0s - loss: 2.0203 - accuracy:
0.3394
414/750 [======>.....] - ETA: 0s - loss: 1.8548 - accuracy:
0.4024
498/750 [======>.....] - ETA: 0s - loss: 1.7297 - accuracy:
0.4524
582/750 [======>.....] - ETA: 0s - loss: 1.6291 - accuracy:
0.4923
668/750 [======>....] - ETA: 0s - loss: 1.5453 - accuracy:
0.5245
750/750 [=====] - 1s 842us/step - loss: 1.4796 - accuracy:
0.5485 - val_loss: 0.9112 - val_accuracy: 0.7477
Epoch 2/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7664 - accuracy:
0.8281
82/750 [==>.....] - ETA: 0s - loss: 0.9028 - accuracy:
0.7511
163/750 [=====>.....] - ETA: 0s - loss: 0.8911 - accuracy:
0.7567
254/750 [=====>.....] - ETA: 0s - loss: 0.8769 - accuracy:
0.7606
342/750 [======>.....] - ETA: 0s - loss: 0.8727 - accuracy:
0.7611
426/750 [======>.....] - ETA: 0s - loss: 0.8657 - accuracy:
0.7643
507/750 [======>.....] - ETA: 0s - loss: 0.8558 - accuracy:
0.7681
588/750 [======>.....] - ETA: 0s - loss: 0.8486 - accuracy:
0.7710
677/750 [======>...] - ETA: 0s - loss: 0.8420 - accuracy:
0.7739
750/750 [=====] - 1s 724us/step - loss: 0.8364 - accuracy:
0.7759 - val_loss: 0.8065 - val_accuracy: 0.7833
Epoch 3/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.8794 - accuracy:
0.7031
93/750 [==>.....] - ETA: 0s - loss: 0.7751 - accuracy:
0.7969
```

175/750 [=====>.....] - ETA: 0s - loss: 0.7709 - accuracy: 0.7993
250/750 [=====>.....] - ETA: 0s - loss: 0.7667 - accuracy: 0.8031
332/750 [=====>.....] - ETA: 0s - loss: 0.7697 - accuracy: 0.8008
421/750 [=====>.....] - ETA: 0s - loss: 0.7645 - accuracy: 0.8036
514/750 [=====>.....] - ETA: 0s - loss: 0.7622 - accuracy: 0.8046
603/750 [=====>.....] - ETA: 0s - loss: 0.7591 - accuracy: 0.8057
690/750 [=====>...] - ETA: 0s - loss: 0.7548 - accuracy: 0.8076
750/750 [=====>] - 1s 724us/step - loss: 0.7545 - accuracy: 0.8080 - val_loss: 0.7263 - val_accuracy: 0.8202
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 0.8295 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.7205 - accuracy: 0.8181
175/750 [=====>.....] - ETA: 0s - loss: 0.7202 - accuracy: 0.8175
261/750 [=====>.....] - ETA: 0s - loss: 0.7205 - accuracy: 0.8193
349/750 [=====>.....] - ETA: 0s - loss: 0.7170 - accuracy: 0.8206
435/750 [=====>.....] - ETA: 0s - loss: 0.7155 - accuracy: 0.8213
523/750 [=====>.....] - ETA: 0s - loss: 0.7125 - accuracy: 0.8223
610/750 [=====>.....] - ETA: 0s - loss: 0.7155 - accuracy: 0.8212
699/750 [=====>...] - ETA: 0s - loss: 0.7158 - accuracy: 0.8216
750/750 [=====>] - 1s 708us/step - loss: 0.7137 - accuracy: 0.8223 - val_loss: 0.7006 - val_accuracy: 0.8248
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 0.9115 - accuracy: 0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.8337
178/750 [=====>.....] - ETA: 0s - loss: 0.6870 - accuracy: 0.8321
265/750 [=====>.....] - ETA: 0s - loss: 0.6910 - accuracy: 0.8316
358/750 [=====>.....] - ETA: 0s - loss: 0.6898 - accuracy: 0.8307

439/750 [=====>.....] - ETA: 0s - loss: 0.6886 - accuracy: 0.8314
523/750 [=====>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.8311
613/750 [=====>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.8307
702/750 [=====>..] - ETA: 0s - loss: 0.6852 - accuracy: 0.8315
750/750 [=====] - 1s 698us/step - loss: 0.6849 - accuracy: 0.8319 - val_loss: 0.6728 - val_accuracy: 0.8394
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 0.8536 - accuracy: 0.8125
88/750 [==>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.8356
181/750 [=====>.....] - ETA: 0s - loss: 0.6652 - accuracy: 0.8380
270/750 [=====>.....] - ETA: 0s - loss: 0.6646 - accuracy: 0.8391
360/750 [=====>.....] - ETA: 0s - loss: 0.6657 - accuracy: 0.8380
447/750 [=====>.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.8376
535/750 [=====>.....] - ETA: 0s - loss: 0.6661 - accuracy: 0.8383
622/750 [=====>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.8394
710/750 [=====>..] - ETA: 0s - loss: 0.6646 - accuracy: 0.8392
750/750 [=====] - 1s 708us/step - loss: 0.6639 - accuracy: 0.8396 - val_loss: 0.6577 - val_accuracy: 0.8409
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 0.5709 - accuracy: 0.8750
83/750 [==>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.8524
169/750 [=====>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.8474
251/750 [=====>.....] - ETA: 0s - loss: 0.6515 - accuracy: 0.8442
339/750 [=====>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.8469
430/750 [=====>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8456
521/750 [=====>.....] - ETA: 0s - loss: 0.6491 - accuracy: 0.8446
609/750 [=====>.....] - ETA: 0s - loss: 0.6457 - accuracy: 0.8452

692/750 [=====>...] - ETA: 0s - loss: 0.6451 - accuracy: 0.8453
750/750 [=====] - 1s 737us/step - loss: 0.6455 - accuracy: 0.8448 - val_loss: 0.6413 - val_accuracy: 0.8469
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8472
161/750 [=====>.....] - ETA: 0s - loss: 0.6442 - accuracy: 0.8452
249/750 [=====>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.8470
337/750 [=====>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.8457
429/750 [=====>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.8470
511/750 [=====>.....] - ETA: 0s - loss: 0.6360 - accuracy: 0.8477
600/750 [=====>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.8479
689/750 [=====>...] - ETA: 0s - loss: 0.6321 - accuracy: 0.8489
750/750 [=====] - 1s 712us/step - loss: 0.6297 - accuracy: 0.8497 - val_loss: 0.6487 - val_accuracy: 0.8422
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.7547 - accuracy: 0.7812
88/750 [==>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.8477
178/750 [=====>.....] - ETA: 0s - loss: 0.6223 - accuracy: 0.8490
269/750 [=====>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.8509
357/750 [=====>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.8521
446/750 [=====>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.8517
537/750 [=====>.....] - ETA: 0s - loss: 0.6185 - accuracy: 0.8524
629/750 [=====>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.8522
719/750 [=====>..] - ETA: 0s - loss: 0.6174 - accuracy: 0.8531
750/750 [=====] - 1s 693us/step - loss: 0.6175 - accuracy: 0.8531 - val_loss: 0.6273 - val_accuracy: 0.8493
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.8488
180/750 [=====>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.8555
265/750 [=====>.....] - ETA: 0s - loss: 0.6173 - accuracy: 0.8535
347/750 [======>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8553
428/750 [======>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.8559
517/750 [======>.....] - ETA: 0s - loss: 0.6088 - accuracy: 0.8556
604/750 [======>.....] - ETA: 0s - loss: 0.6073 - accuracy: 0.8556
688/750 [======>...] - ETA: 0s - loss: 0.6075 - accuracy: 0.8551
750/750 [=====] - 1s 720us/step - loss: 0.6067 - accuracy: 0.8558 - val_loss: 0.6339 - val_accuracy: 0.8453
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.7017 - accuracy: 0.7969
88/750 [==>.....] - ETA: 0s - loss: 0.6119 - accuracy: 0.8473
175/750 [=====>.....] - ETA: 0s - loss: 0.6161 - accuracy: 0.8518
264/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8522
347/750 [======>.....] - ETA: 0s - loss: 0.6115 - accuracy: 0.8524
421/750 [======>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.8545
487/750 [======>.....] - ETA: 0s - loss: 0.6022 - accuracy: 0.8557
563/750 [======>.....] - ETA: 0s - loss: 0.5987 - accuracy: 0.8575
647/750 [======>.....] - ETA: 0s - loss: 0.5981 - accuracy: 0.8577
729/750 [======>.] - ETA: 0s - loss: 0.5954 - accuracy: 0.8584
750/750 [=====] - 1s 753us/step - loss: 0.5956 - accuracy: 0.8584 - val_loss: 0.6017 - val_accuracy: 0.8558
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.8682

176/750 [=====>.....] - ETA: 0s - loss: 0.5739 - accuracy: 0.8658
265/750 [=====>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.8644
354/750 [=====>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.8613
443/750 [=====>.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.8600
531/750 [=====>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.8608
618/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.8609
707/750 [=====>..] - ETA: 0s - loss: 0.5874 - accuracy: 0.8605
750/750 [=====>] - 1s 698us/step - loss: 0.5877 - accuracy: 0.8604 - val_loss: 0.6017 - val_accuracy: 0.8552
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.8632
175/750 [=====>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8647
265/750 [=====>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8634
352/750 [=====>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.8633
438/750 [=====>.....] - ETA: 0s - loss: 0.5772 - accuracy: 0.8640
526/750 [=====>.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.8642
611/750 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.8647
698/750 [=====>...] - ETA: 0s - loss: 0.5774 - accuracy: 0.8640
750/750 [=====>] - 1s 708us/step - loss: 0.5787 - accuracy: 0.8636 - val_loss: 0.5973 - val_accuracy: 0.8553
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.4324 - accuracy: 0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8656
175/750 [=====>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.8649
264/750 [=====>.....] - ETA: 0s - loss: 0.5719 - accuracy: 0.8644
349/750 [=====>.....] - ETA: 0s - loss: 0.5723 - accuracy: 0.8642

416/750 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.8634
481/750 [=====>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.8629
564/750 [=====>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.8629
653/750 [=====>....] - ETA: 0s - loss: 0.5733 - accuracy: 0.8631
743/750 [=====>.] - ETA: 0s - loss: 0.5712 - accuracy: 0.8638
750/750 [=====] - 1s 740us/step - loss: 0.5709 - accuracy: 0.8641 - val_loss: 0.5825 - val_accuracy: 0.8601
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.4975 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.5670 - accuracy: 0.8673
170/750 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.8662
258/750 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.8686
350/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8669
435/750 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.8653
522/750 [=====>.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.8652
614/750 [=====>.....] - ETA: 0s - loss: 0.5657 - accuracy: 0.8657
703/750 [=====>..] - ETA: 0s - loss: 0.5650 - accuracy: 0.8661
750/750 [=====] - 1s 696us/step - loss: 0.5640 - accuracy: 0.8662 - val_loss: 0.5948 - val_accuracy: 0.8558
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.8653
181/750 [=====>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.8704
268/750 [=====>.....] - ETA: 0s - loss: 0.5609 - accuracy: 0.8698
358/750 [=====>.....] - ETA: 0s - loss: 0.5622 - accuracy: 0.8674
450/750 [=====>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8678
538/750 [=====>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8685

624/750 [=====>.....] - ETA: 0s - loss: 0.5593 - accuracy:
0.8684
712/750 [=====>..] - ETA: 0s - loss: 0.5571 - accuracy:
0.8683
750/750 [=====] - 1s 698us/step - loss: 0.5565 - accuracy:
0.8682 - val_loss: 0.5821 - val_accuracy: 0.8595
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.4408 - accuracy:
0.9062
83/750 [==>.....] - ETA: 0s - loss: 0.5497 - accuracy:
0.8643
168/750 [====>.....] - ETA: 0s - loss: 0.5476 - accuracy:
0.8661
255/750 [=====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
0.8680
342/750 [=====>.....] - ETA: 0s - loss: 0.5532 - accuracy:
0.8683
431/750 [=====>.....] - ETA: 0s - loss: 0.5492 - accuracy:
0.8697
516/750 [=====>.....] - ETA: 0s - loss: 0.5492 - accuracy:
0.8696
603/750 [=====>.....] - ETA: 0s - loss: 0.5494 - accuracy:
0.8699
694/750 [=====>...] - ETA: 0s - loss: 0.5510 - accuracy:
0.8692
750/750 [=====] - 1s 713us/step - loss: 0.5494 - accuracy:
0.8699 - val_loss: 0.5682 - val_accuracy: 0.8631
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.4568 - accuracy:
0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.5433 - accuracy:
0.8754
173/750 [====>.....] - ETA: 0s - loss: 0.5394 - accuracy:
0.8742
263/750 [=====>.....] - ETA: 0s - loss: 0.5401 - accuracy:
0.8732
350/750 [=====>.....] - ETA: 0s - loss: 0.5380 - accuracy:
0.8742
438/750 [=====>.....] - ETA: 0s - loss: 0.5375 - accuracy:
0.8747
528/750 [=====>.....] - ETA: 0s - loss: 0.5407 - accuracy:
0.8737
610/750 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy:
0.8725
695/750 [=====>...] - ETA: 0s - loss: 0.5439 - accuracy:
0.8718
750/750 [=====] - 1s 717us/step - loss: 0.5438 - accuracy:
0.8721 - val_loss: 0.5754 - val_accuracy: 0.8597

Epoch 19/220

```
1/750 [.....] - ETA: 0s - loss: 0.4373 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.5320 - accuracy: 0.8770
176/750 [=====>.....] - ETA: 0s - loss: 0.5324 - accuracy: 0.8772
264/750 [=====>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8738
350/750 [======>.....] - ETA: 0s - loss: 0.5378 - accuracy: 0.8726
435/750 [======>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8735
524/750 [======>.....] - ETA: 0s - loss: 0.5373 - accuracy: 0.8731
607/750 [======>.....] - ETA: 0s - loss: 0.5394 - accuracy: 0.8717
695/750 [======>...] - ETA: 0s - loss: 0.5387 - accuracy: 0.8721
750/750 [=====] - 1s 712us/step - loss: 0.5385 - accuracy: 0.8720 - val_loss: 0.5615 - val_accuracy: 0.8622
Epoch 20/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3879 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.8771
179/750 [=====>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.8770
269/750 [=====>.....] - ETA: 0s - loss: 0.5293 - accuracy: 0.8749
359/750 [======>.....] - ETA: 0s - loss: 0.5319 - accuracy: 0.8740
448/750 [======>.....] - ETA: 0s - loss: 0.5326 - accuracy: 0.8736
540/750 [======>.....] - ETA: 0s - loss: 0.5323 - accuracy: 0.8739
629/750 [======>.....] - ETA: 0s - loss: 0.5329 - accuracy: 0.8742
717/750 [======>..] - ETA: 0s - loss: 0.5323 - accuracy: 0.8743
750/750 [=====] - 1s 692us/step - loss: 0.5320 - accuracy: 0.8742 - val_loss: 0.5610 - val_accuracy: 0.8666
Epoch 21/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.8281
88/750 [==>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.8837
```

168/750 [====>.....] - ETA: 0s - loss: 0.5173 - accuracy: 0.8813
252/750 [=====>.....] - ETA: 0s - loss: 0.5189 - accuracy: 0.8801
335/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.8805
423/750 [=====>.....] - ETA: 0s - loss: 0.5227 - accuracy: 0.8784
515/750 [=====>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.8760
605/750 [=====>.....] - ETA: 0s - loss: 0.5284 - accuracy: 0.8754
693/750 [=====>...] - ETA: 0s - loss: 0.5283 - accuracy: 0.8755
750/750 [=====] - 1s 712us/step - loss: 0.5269 - accuracy: 0.8756 - val_loss: 0.5484 - val_accuracy: 0.8654
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.4313 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.8745
179/750 [====>.....] - ETA: 0s - loss: 0.5265 - accuracy: 0.8772
266/750 [=====>.....] - ETA: 0s - loss: 0.5266 - accuracy: 0.8771
355/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8771
446/750 [=====>.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.8759
530/750 [=====>.....] - ETA: 0s - loss: 0.5227 - accuracy: 0.8756
612/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8752
695/750 [=====>...] - ETA: 0s - loss: 0.5223 - accuracy: 0.8757
750/750 [=====] - 1s 712us/step - loss: 0.5223 - accuracy: 0.8758 - val_loss: 0.5910 - val_accuracy: 0.8462
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.5453 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.5232 - accuracy: 0.8773
174/750 [====>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.8778
260/750 [=====>.....] - ETA: 0s - loss: 0.5184 - accuracy: 0.8780
349/750 [=====>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.8749

439/750 [=====>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.8770
522/750 [=====>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.8769
614/750 [=====>.....] - ETA: 0s - loss: 0.5190 - accuracy: 0.8772
704/750 [=====>..] - ETA: 0s - loss: 0.5175 - accuracy: 0.8772
750/750 [=====] - 1s 701us/step - loss: 0.5175 - accuracy: 0.8774 - val_loss: 0.5474 - val_accuracy: 0.8668
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.5467 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.5014 - accuracy: 0.8825
174/750 [====>.....] - ETA: 0s - loss: 0.5068 - accuracy: 0.8824
264/750 [=====>.....] - ETA: 0s - loss: 0.5057 - accuracy: 0.8813
352/750 [=====>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.8801
441/750 [=====>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.8786
529/750 [=====>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.8793
619/750 [=====>.....] - ETA: 0s - loss: 0.5114 - accuracy: 0.8779
701/750 [=====>..] - ETA: 0s - loss: 0.5116 - accuracy: 0.8783
750/750 [=====] - 1s 712us/step - loss: 0.5109 - accuracy: 0.8788 - val_loss: 0.5371 - val_accuracy: 0.8717
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4887 - accuracy: 0.8899
178/750 [====>.....] - ETA: 0s - loss: 0.5036 - accuracy: 0.8847
270/750 [=====>.....] - ETA: 0s - loss: 0.5078 - accuracy: 0.8803
356/750 [=====>.....] - ETA: 0s - loss: 0.5086 - accuracy: 0.8804
446/750 [=====>.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.8797
518/750 [=====>.....] - ETA: 0s - loss: 0.5087 - accuracy: 0.8798
609/750 [=====>.....] - ETA: 0s - loss: 0.5078 - accuracy: 0.8798

699/750 [=====>...] - ETA: 0s - loss: 0.5072 - accuracy:
0.8802
750/750 [=====] - 1s 708us/step - loss: 0.5070 - accuracy:
0.8801 - val_loss: 0.5539 - val_accuracy: 0.8645
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.4770 - accuracy:
0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.4813 - accuracy:
0.8894
179/750 [=====>.....] - ETA: 0s - loss: 0.4920 - accuracy:
0.8847
270/750 [=====>.....] - ETA: 0s - loss: 0.5016 - accuracy:
0.8802
355/750 [=====>.....] - ETA: 0s - loss: 0.5006 - accuracy:
0.8805
440/750 [=====>.....] - ETA: 0s - loss: 0.5031 - accuracy:
0.8800
528/750 [=====>.....] - ETA: 0s - loss: 0.5025 - accuracy:
0.8809
615/750 [=====>.....] - ETA: 0s - loss: 0.5027 - accuracy:
0.8819
701/750 [=====>..] - ETA: 0s - loss: 0.5031 - accuracy:
0.8812
750/750 [=====] - 1s 720us/step - loss: 0.5027 - accuracy:
0.8814 - val_loss: 0.5509 - val_accuracy: 0.8625
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.4709 - accuracy:
0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.4927 - accuracy:
0.8823
167/750 [=====>.....] - ETA: 0s - loss: 0.5013 - accuracy:
0.8794
256/750 [=====>.....] - ETA: 0s - loss: 0.5016 - accuracy:
0.8797
339/750 [=====>.....] - ETA: 0s - loss: 0.5045 - accuracy:
0.8784
420/750 [=====>.....] - ETA: 0s - loss: 0.5007 - accuracy:
0.8797
508/750 [=====>.....] - ETA: 0s - loss: 0.4978 - accuracy:
0.8808
597/750 [=====>.....] - ETA: 0s - loss: 0.4963 - accuracy:
0.8819
686/750 [=====>...] - ETA: 0s - loss: 0.4972 - accuracy:
0.8818
750/750 [=====] - 1s 714us/step - loss: 0.4985 - accuracy:
0.8814 - val_loss: 0.5401 - val_accuracy: 0.8669
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.4094 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4804 - accuracy: 0.8868
175/750 [=====>.....] - ETA: 0s - loss: 0.4844 - accuracy: 0.8850
263/750 [=====>.....] - ETA: 0s - loss: 0.4930 - accuracy: 0.8830
348/750 [======>.....] - ETA: 0s - loss: 0.4964 - accuracy: 0.8824
434/750 [======>.....] - ETA: 0s - loss: 0.4992 - accuracy: 0.8814
522/750 [======>.....] - ETA: 0s - loss: 0.4963 - accuracy: 0.8825
609/750 [======>.....] - ETA: 0s - loss: 0.4940 - accuracy: 0.8835
696/750 [======>...] - ETA: 0s - loss: 0.4942 - accuracy: 0.8830
750/750 [=====] - 1s 706us/step - loss: 0.4948 - accuracy: 0.8829 - val_loss: 0.5242 - val_accuracy: 0.8742
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.4162 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.8833
168/750 [=====>.....] - ETA: 0s - loss: 0.4906 - accuracy: 0.8824
249/750 [=====>.....] - ETA: 0s - loss: 0.4924 - accuracy: 0.8825
332/750 [=====>.....] - ETA: 0s - loss: 0.4908 - accuracy: 0.8818
417/750 [======>.....] - ETA: 0s - loss: 0.4909 - accuracy: 0.8826
507/750 [======>.....] - ETA: 0s - loss: 0.4875 - accuracy: 0.8843
597/750 [======>.....] - ETA: 0s - loss: 0.4913 - accuracy: 0.8829
680/750 [======>...] - ETA: 0s - loss: 0.4908 - accuracy: 0.8832
750/750 [=====] - 1s 728us/step - loss: 0.4906 - accuracy: 0.8835 - val_loss: 0.5285 - val_accuracy: 0.8722
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.4553 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.4732 - accuracy: 0.8928
170/750 [=====>.....] - ETA: 0s - loss: 0.4822 - accuracy: 0.8873

259/750 [=====>.....] - ETA: 0s - loss: 0.4855 - accuracy: 0.8862
335/750 [=====>.....] - ETA: 0s - loss: 0.4831 - accuracy: 0.8872
421/750 [=====>.....] - ETA: 0s - loss: 0.4866 - accuracy: 0.8856
506/750 [=====>.....] - ETA: 0s - loss: 0.4859 - accuracy: 0.8859
590/750 [=====>.....] - ETA: 0s - loss: 0.4876 - accuracy: 0.8847
673/750 [=====>....] - ETA: 0s - loss: 0.4873 - accuracy: 0.8851
750/750 [=====] - 1s 726us/step - loss: 0.4870 - accuracy: 0.8852 - val_loss: 0.5230 - val_accuracy: 0.8733
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.4679 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4849 - accuracy: 0.8854
176/750 [=====>.....] - ETA: 0s - loss: 0.4808 - accuracy: 0.8870
265/750 [=====>.....] - ETA: 0s - loss: 0.4800 - accuracy: 0.8881
360/750 [=====>.....] - ETA: 0s - loss: 0.4832 - accuracy: 0.8864
448/750 [=====>.....] - ETA: 0s - loss: 0.4843 - accuracy: 0.8863
539/750 [=====>.....] - ETA: 0s - loss: 0.4808 - accuracy: 0.8869
632/750 [=====>....] - ETA: 0s - loss: 0.4823 - accuracy: 0.8861
722/750 [=====>..] - ETA: 0s - loss: 0.4841 - accuracy: 0.8851
750/750 [=====] - 1s 682us/step - loss: 0.4840 - accuracy: 0.8850 - val_loss: 0.5238 - val_accuracy: 0.8734
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.3719 - accuracy: 0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.4733 - accuracy: 0.8897
176/750 [=====>.....] - ETA: 0s - loss: 0.4774 - accuracy: 0.8887
265/750 [=====>.....] - ETA: 0s - loss: 0.4772 - accuracy: 0.8882
354/750 [=====>.....] - ETA: 0s - loss: 0.4786 - accuracy: 0.8875
445/750 [=====>.....] - ETA: 0s - loss: 0.4794 - accuracy: 0.8873

532/750 [=====>.....] - ETA: 0s - loss: 0.4777 - accuracy: 0.8880
622/750 [=====>.....] - ETA: 0s - loss: 0.4781 - accuracy: 0.8868
709/750 [=====>..] - ETA: 0s - loss: 0.4795 - accuracy: 0.8870
750/750 [=====] - 1s 698us/step - loss: 0.4801 - accuracy: 0.8865 - val_loss: 0.5195 - val_accuracy: 0.8740
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.3852 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.4827 - accuracy: 0.8843
173/750 [====>.....] - ETA: 0s - loss: 0.4758 - accuracy: 0.8876
265/750 [=====>.....] - ETA: 0s - loss: 0.4788 - accuracy: 0.8857
349/750 [=====>.....] - ETA: 0s - loss: 0.4774 - accuracy: 0.8866
439/750 [=====>.....] - ETA: 0s - loss: 0.4757 - accuracy: 0.8872
526/750 [=====>.....] - ETA: 0s - loss: 0.4752 - accuracy: 0.8873
615/750 [=====>.....] - ETA: 0s - loss: 0.4747 - accuracy: 0.8874
700/750 [=====>..] - ETA: 0s - loss: 0.4758 - accuracy: 0.8871
750/750 [=====] - 1s 708us/step - loss: 0.4763 - accuracy: 0.8869 - val_loss: 0.5254 - val_accuracy: 0.8719
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.4907 - accuracy: 0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.4617 - accuracy: 0.8871
176/750 [====>.....] - ETA: 0s - loss: 0.4723 - accuracy: 0.8871
265/750 [=====>.....] - ETA: 0s - loss: 0.4690 - accuracy: 0.8893
354/750 [=====>.....] - ETA: 0s - loss: 0.4693 - accuracy: 0.8897
427/750 [=====>.....] - ETA: 0s - loss: 0.4665 - accuracy: 0.8906
512/750 [=====>.....] - ETA: 0s - loss: 0.4709 - accuracy: 0.8894
597/750 [=====>.....] - ETA: 0s - loss: 0.4732 - accuracy: 0.8891
682/750 [=====>...] - ETA: 0s - loss: 0.4726 - accuracy: 0.8891

750/750 [=====] - 1s 720us/step - loss: 0.4728 - accuracy: 0.8887 - val_loss: 0.5107 - val_accuracy: 0.8776
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy: 0.8877
177/750 [=====>.....] - ETA: 0s - loss: 0.4663 - accuracy: 0.8899
265/750 [=====>.....] - ETA: 0s - loss: 0.4662 - accuracy: 0.8896
355/750 [======>.....] - ETA: 0s - loss: 0.4662 - accuracy: 0.8895
439/750 [======>.....] - ETA: 0s - loss: 0.4685 - accuracy: 0.8891
524/750 [======>.....] - ETA: 0s - loss: 0.4688 - accuracy: 0.8885
613/750 [======>.....] - ETA: 0s - loss: 0.4689 - accuracy: 0.8886
700/750 [======>..] - ETA: 0s - loss: 0.4709 - accuracy: 0.8876
750/750 [=====] - 1s 705us/step - loss: 0.4699 - accuracy: 0.8881 - val_loss: 0.5055 - val_accuracy: 0.8771
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.4283 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.4683 - accuracy: 0.8880
177/750 [=====>.....] - ETA: 0s - loss: 0.4675 - accuracy: 0.8877
266/750 [=====>.....] - ETA: 0s - loss: 0.4670 - accuracy: 0.8882
356/750 [======>.....] - ETA: 0s - loss: 0.4652 - accuracy: 0.8894
437/750 [======>.....] - ETA: 0s - loss: 0.4653 - accuracy: 0.8896
527/750 [======>.....] - ETA: 0s - loss: 0.4670 - accuracy: 0.8896
618/750 [======>.....] - ETA: 0s - loss: 0.4681 - accuracy: 0.8895
703/750 [======>..] - ETA: 0s - loss: 0.4675 - accuracy: 0.8897
750/750 [=====] - 1s 704us/step - loss: 0.4668 - accuracy: 0.8897 - val_loss: 0.5121 - val_accuracy: 0.8755
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.4955 - accuracy: 0.8750

87/750 [==>.....] - ETA: 0s - loss: 0.4514 - accuracy: 0.8980
175/750 [=====>.....] - ETA: 0s - loss: 0.4591 - accuracy: 0.8935
259/750 [=====>.....] - ETA: 0s - loss: 0.4601 - accuracy: 0.8926
347/750 [=====>.....] - ETA: 0s - loss: 0.4613 - accuracy: 0.8921
435/750 [=====>.....] - ETA: 0s - loss: 0.4607 - accuracy: 0.8922
524/750 [=====>.....] - ETA: 0s - loss: 0.4647 - accuracy: 0.8907
608/750 [=====>.....] - ETA: 0s - loss: 0.4658 - accuracy: 0.8903
695/750 [=====>...] - ETA: 0s - loss: 0.4647 - accuracy: 0.8905
750/750 [=====>] - 1s 708us/step - loss: 0.4644 - accuracy: 0.8906 - val_loss: 0.5015 - val_accuracy: 0.8777
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.3824 - accuracy: 0.9531
84/750 [==>.....] - ETA: 0s - loss: 0.4521 - accuracy: 0.8943
174/750 [=====>.....] - ETA: 0s - loss: 0.4629 - accuracy: 0.8901
262/750 [=====>.....] - ETA: 0s - loss: 0.4634 - accuracy: 0.8905
344/750 [=====>.....] - ETA: 0s - loss: 0.4648 - accuracy: 0.8891
431/750 [=====>.....] - ETA: 0s - loss: 0.4615 - accuracy: 0.8902
521/750 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy: 0.8916
612/750 [=====>.....] - ETA: 0s - loss: 0.4604 - accuracy: 0.8908
705/750 [=====>..] - ETA: 0s - loss: 0.4606 - accuracy: 0.8902
750/750 [=====>] - 1s 697us/step - loss: 0.4609 - accuracy: 0.8900 - val_loss: 0.5110 - val_accuracy: 0.8756
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.4130 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.4580 - accuracy: 0.8910
177/750 [=====>.....] - ETA: 0s - loss: 0.4519 - accuracy: 0.8948
263/750 [=====>.....] - ETA: 0s - loss: 0.4539 - accuracy: 0.8931

349/750 [=====>.....] - ETA: 0s - loss: 0.4571 - accuracy: 0.8913
437/750 [=====>.....] - ETA: 0s - loss: 0.4582 - accuracy: 0.8918
524/750 [=====>.....] - ETA: 0s - loss: 0.4593 - accuracy: 0.8919
611/750 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy: 0.8916
699/750 [=====>...] - ETA: 0s - loss: 0.4589 - accuracy: 0.8913
750/750 [=====] - 1s 701us/step - loss: 0.4593 - accuracy: 0.8917 - val_loss: 0.4980 - val_accuracy: 0.8788
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.3546 - accuracy: 0.9688
87/750 [==>.....] - ETA: 0s - loss: 0.4570 - accuracy: 0.8865
179/750 [=====>.....] - ETA: 0s - loss: 0.4534 - accuracy: 0.8917
260/750 [=====>.....] - ETA: 0s - loss: 0.4617 - accuracy: 0.8907
352/750 [=====>.....] - ETA: 0s - loss: 0.4591 - accuracy: 0.8911
440/750 [=====>.....] - ETA: 0s - loss: 0.4570 - accuracy: 0.8925
530/750 [=====>.....] - ETA: 0s - loss: 0.4567 - accuracy: 0.8923
620/750 [=====>.....] - ETA: 0s - loss: 0.4575 - accuracy: 0.8914
708/750 [=====>..] - ETA: 0s - loss: 0.4566 - accuracy: 0.8914
750/750 [=====] - 1s 697us/step - loss: 0.4556 - accuracy: 0.8919 - val_loss: 0.4990 - val_accuracy: 0.8788
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.4468 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.4474 - accuracy: 0.8972
181/750 [=====>.....] - ETA: 0s - loss: 0.4521 - accuracy: 0.8973
269/750 [=====>.....] - ETA: 0s - loss: 0.4493 - accuracy: 0.8973
355/750 [=====>.....] - ETA: 0s - loss: 0.4543 - accuracy: 0.8944
446/750 [=====>.....] - ETA: 0s - loss: 0.4555 - accuracy: 0.8932
532/750 [=====>.....] - ETA: 0s - loss: 0.4537 - accuracy: 0.8941

618/750 [=====>.....] - ETA: 0s - loss: 0.4545 - accuracy: 0.8930
708/750 [=====>..] - ETA: 0s - loss: 0.4533 - accuracy: 0.8933
750/750 [=====] - 1s 698us/step - loss: 0.4530 - accuracy: 0.8931 - val_loss: 0.4969 - val_accuracy: 0.8792
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.3679 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.4355 - accuracy: 0.8977
172/750 [====>.....] - ETA: 0s - loss: 0.4382 - accuracy: 0.8966
265/750 [=====>.....] - ETA: 0s - loss: 0.4451 - accuracy: 0.8927
355/750 [=====>.....] - ETA: 0s - loss: 0.4446 - accuracy: 0.8934
445/750 [=====>.....] - ETA: 0s - loss: 0.4503 - accuracy: 0.8924
534/750 [=====>.....] - ETA: 0s - loss: 0.4489 - accuracy: 0.8928
623/750 [=====>.....] - ETA: 0s - loss: 0.4498 - accuracy: 0.8928
714/750 [=====>..] - ETA: 0s - loss: 0.4513 - accuracy: 0.8921
750/750 [=====] - 1s 690us/step - loss: 0.4511 - accuracy: 0.8922 - val_loss: 0.4921 - val_accuracy: 0.8790
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.3110 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.4571 - accuracy: 0.8885
170/750 [====>.....] - ETA: 0s - loss: 0.4479 - accuracy: 0.8922
258/750 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy: 0.8940
346/750 [=====>.....] - ETA: 0s - loss: 0.4453 - accuracy: 0.8950
435/750 [=====>.....] - ETA: 0s - loss: 0.4452 - accuracy: 0.8950
522/750 [=====>.....] - ETA: 0s - loss: 0.4459 - accuracy: 0.8946
594/750 [=====>.....] - ETA: 0s - loss: 0.4467 - accuracy: 0.8943
649/750 [=====>.....] - ETA: 0s - loss: 0.4489 - accuracy: 0.8938
734/750 [=====>.] - ETA: 0s - loss: 0.4481 - accuracy: 0.8943

750/750 [=====] - 1s 742us/step - loss: 0.4483 - accuracy: 0.8942 - val_loss: 0.5033 - val_accuracy: 0.8767
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.4074 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.4501 - accuracy: 0.8983
181/750 [=====>.....] - ETA: 0s - loss: 0.4478 - accuracy: 0.8968
271/750 [=====>.....] - ETA: 0s - loss: 0.4535 - accuracy: 0.8934
360/750 [======>.....] - ETA: 0s - loss: 0.4514 - accuracy: 0.8938
451/750 [======>.....] - ETA: 0s - loss: 0.4517 - accuracy: 0.8930
541/750 [======>.....] - ETA: 0s - loss: 0.4519 - accuracy: 0.8924
628/750 [======>.....] - ETA: 0s - loss: 0.4495 - accuracy: 0.8930
711/750 [======>..] - ETA: 0s - loss: 0.4473 - accuracy: 0.8939
750/750 [=====] - 1s 696us/step - loss: 0.4468 - accuracy: 0.8938 - val_loss: 0.4987 - val_accuracy: 0.8762
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.4545 - accuracy: 0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.4478 - accuracy: 0.8944
180/750 [=====>.....] - ETA: 0s - loss: 0.4377 - accuracy: 0.8966
271/750 [=====>.....] - ETA: 0s - loss: 0.4373 - accuracy: 0.8971
360/750 [======>.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.8958
448/750 [======>.....] - ETA: 0s - loss: 0.4425 - accuracy: 0.8958
537/750 [======>.....] - ETA: 0s - loss: 0.4422 - accuracy: 0.8965
626/750 [======>.....] - ETA: 0s - loss: 0.4425 - accuracy: 0.8960
715/750 [======>..] - ETA: 0s - loss: 0.4430 - accuracy: 0.8955
750/750 [=====] - 1s 700us/step - loss: 0.4436 - accuracy: 0.8951 - val_loss: 0.4902 - val_accuracy: 0.8793
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.5002 - accuracy: 0.8906

91/750 [==>.....] - ETA: 0s - loss: 0.4433 - accuracy: 0.8937
181/750 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy: 0.8938
272/750 [=====>.....] - ETA: 0s - loss: 0.4392 - accuracy: 0.8957
361/750 [=====>.....] - ETA: 0s - loss: 0.4387 - accuracy: 0.8958
451/750 [=====>.....] - ETA: 0s - loss: 0.4389 - accuracy: 0.8958
541/750 [=====>.....] - ETA: 0s - loss: 0.4395 - accuracy: 0.8954
634/750 [=====>.....] - ETA: 0s - loss: 0.4400 - accuracy: 0.8957
724/750 [=====>..] - ETA: 0s - loss: 0.4408 - accuracy: 0.8957
750/750 [=====>] - 1s 686us/step - loss: 0.4407 - accuracy: 0.8959 - val_loss: 0.5124 - val_accuracy: 0.8706
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.4477 - accuracy: 0.8928
177/750 [=====>.....] - ETA: 0s - loss: 0.4456 - accuracy: 0.8942
269/750 [=====>.....] - ETA: 0s - loss: 0.4427 - accuracy: 0.8958
353/750 [=====>.....] - ETA: 0s - loss: 0.4453 - accuracy: 0.8946
440/750 [=====>.....] - ETA: 0s - loss: 0.4448 - accuracy: 0.8941
525/750 [=====>.....] - ETA: 0s - loss: 0.4412 - accuracy: 0.8954
606/750 [=====>.....] - ETA: 0s - loss: 0.4403 - accuracy: 0.8959
687/750 [=====>...] - ETA: 0s - loss: 0.4401 - accuracy: 0.8958
750/750 [=====>] - 1s 717us/step - loss: 0.4401 - accuracy: 0.8954 - val_loss: 0.4840 - val_accuracy: 0.8824
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.4489 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.4460 - accuracy: 0.8935
175/750 [=====>.....] - ETA: 0s - loss: 0.4511 - accuracy: 0.8925
259/750 [=====>.....] - ETA: 0s - loss: 0.4481 - accuracy: 0.8931

348/750 [=====>.....] - ETA: 0s - loss: 0.4431 - accuracy: 0.8950
439/750 [=====>.....] - ETA: 0s - loss: 0.4410 - accuracy: 0.8953
526/750 [=====>.....] - ETA: 0s - loss: 0.4388 - accuracy: 0.8964
608/750 [=====>.....] - ETA: 0s - loss: 0.4369 - accuracy: 0.8972
695/750 [=====>...] - ETA: 0s - loss: 0.4376 - accuracy: 0.8971
750/750 [=====] - 1s 725us/step - loss: 0.4379 - accuracy: 0.8969 - val_loss: 0.4898 - val_accuracy: 0.8787
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.5917 - accuracy: 0.8281
84/750 [==>.....] - ETA: 0s - loss: 0.4383 - accuracy: 0.8930
164/750 [====>.....] - ETA: 0s - loss: 0.4310 - accuracy: 0.8956
250/750 [=====>.....] - ETA: 0s - loss: 0.4327 - accuracy: 0.8963
326/750 [=====>.....] - ETA: 0s - loss: 0.4333 - accuracy: 0.8966
401/750 [=====>.....] - ETA: 0s - loss: 0.4321 - accuracy: 0.8972
491/750 [=====>.....] - ETA: 0s - loss: 0.4325 - accuracy: 0.8970
577/750 [=====>.....] - ETA: 0s - loss: 0.4341 - accuracy: 0.8965
663/750 [=====>...] - ETA: 0s - loss: 0.4342 - accuracy: 0.8971
750/750 [=====] - 1s 733us/step - loss: 0.4344 - accuracy: 0.8973 - val_loss: 0.4884 - val_accuracy: 0.8788
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.4640 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.4466 - accuracy: 0.8919
168/750 [====>.....] - ETA: 0s - loss: 0.4400 - accuracy: 0.8942
249/750 [=====>.....] - ETA: 0s - loss: 0.4377 - accuracy: 0.8956
330/750 [=====>.....] - ETA: 0s - loss: 0.4356 - accuracy: 0.8968
414/750 [=====>.....] - ETA: 0s - loss: 0.4323 - accuracy: 0.8973
501/750 [=====>.....] - ETA: 0s - loss: 0.4327 - accuracy: 0.8980

588/750 [=====>.....] - ETA: 0s - loss: 0.4333 - accuracy: 0.8973
679/750 [=====>...] - ETA: 0s - loss: 0.4330 - accuracy: 0.8975
750/750 [=====] - 1s 718us/step - loss: 0.4326 - accuracy: 0.8982 - val_loss: 0.4870 - val_accuracy: 0.8798
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.4553 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.4164 - accuracy: 0.9028
171/750 [====>.....] - ETA: 0s - loss: 0.4216 - accuracy: 0.9019
240/750 [=====>.....] - ETA: 0s - loss: 0.4256 - accuracy: 0.9001
319/750 [=====>.....] - ETA: 0s - loss: 0.4247 - accuracy: 0.8994
399/750 [=====>.....] - ETA: 0s - loss: 0.4255 - accuracy: 0.9001
483/750 [=====>.....] - ETA: 0s - loss: 0.4270 - accuracy: 0.8992
567/750 [=====>.....] - ETA: 0s - loss: 0.4299 - accuracy: 0.8979
652/750 [=====>...] - ETA: 0s - loss: 0.4319 - accuracy: 0.8975
737/750 [=====>.] - ETA: 0s - loss: 0.4319 - accuracy: 0.8977
750/750 [=====] - 1s 753us/step - loss: 0.4317 - accuracy: 0.8979 - val_loss: 0.4937 - val_accuracy: 0.8770
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.4249 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.4108 - accuracy: 0.9084
177/750 [====>.....] - ETA: 0s - loss: 0.4251 - accuracy: 0.9022
270/750 [=====>.....] - ETA: 0s - loss: 0.4220 - accuracy: 0.9027
356/750 [=====>.....] - ETA: 0s - loss: 0.4232 - accuracy: 0.9026
445/750 [=====>.....] - ETA: 0s - loss: 0.4250 - accuracy: 0.9016
533/750 [=====>.....] - ETA: 0s - loss: 0.4263 - accuracy: 0.9007
611/750 [=====>.....] - ETA: 0s - loss: 0.4260 - accuracy: 0.9013
684/750 [=====>...] - ETA: 0s - loss: 0.4273 - accuracy: 0.8998

750/750 [=====] - 1s 734us/step - loss: 0.4294 - accuracy: 0.8986 - val_loss: 0.4826 - val_accuracy: 0.8783
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.3781 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.4180 - accuracy: 0.9021
177/750 [=====>.....] - ETA: 0s - loss: 0.4260 - accuracy: 0.8984
266/750 [=====>.....] - ETA: 0s - loss: 0.4208 - accuracy: 0.9011
347/750 [======>.....] - ETA: 0s - loss: 0.4234 - accuracy: 0.8993
435/750 [======>.....] - ETA: 0s - loss: 0.4241 - accuracy: 0.8997
526/750 [======>.....] - ETA: 0s - loss: 0.4247 - accuracy: 0.8999
614/750 [======>.....] - ETA: 0s - loss: 0.4257 - accuracy: 0.8997
700/750 [======>..] - ETA: 0s - loss: 0.4276 - accuracy: 0.8990
750/750 [=====] - 1s 706us/step - loss: 0.4269 - accuracy: 0.8990 - val_loss: 0.4803 - val_accuracy: 0.8834
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.4261 - accuracy: 0.8990
178/750 [=====>.....] - ETA: 0s - loss: 0.4290 - accuracy: 0.8991
268/750 [=====>.....] - ETA: 0s - loss: 0.4288 - accuracy: 0.8985
357/750 [======>.....] - ETA: 0s - loss: 0.4278 - accuracy: 0.8980
444/750 [======>.....] - ETA: 0s - loss: 0.4285 - accuracy: 0.8983
533/750 [======>.....] - ETA: 0s - loss: 0.4257 - accuracy: 0.8992
619/750 [======>.....] - ETA: 0s - loss: 0.4262 - accuracy: 0.8987
706/750 [======>..] - ETA: 0s - loss: 0.4263 - accuracy: 0.8991
750/750 [=====] - 1s 706us/step - loss: 0.4262 - accuracy: 0.8993 - val_loss: 0.4818 - val_accuracy: 0.8801
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.2802 - accuracy: 0.9531

88/750 [==>.....] - ETA: 0s - loss: 0.4121 - accuracy: 0.8999
168/750 [=====>.....] - ETA: 0s - loss: 0.4236 - accuracy: 0.8953
260/750 [=====>.....] - ETA: 0s - loss: 0.4265 - accuracy: 0.8962
350/750 [=====>.....] - ETA: 0s - loss: 0.4257 - accuracy: 0.8972
437/750 [=====>.....] - ETA: 0s - loss: 0.4237 - accuracy: 0.8986
527/750 [=====>.....] - ETA: 0s - loss: 0.4230 - accuracy: 0.8987
617/750 [=====>.....] - ETA: 0s - loss: 0.4235 - accuracy: 0.8985
707/750 [=====>..] - ETA: 0s - loss: 0.4246 - accuracy: 0.8981
750/750 [=====>] - 1s 697us/step - loss: 0.4241 - accuracy: 0.8986 - val_loss: 0.4884 - val_accuracy: 0.8775
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4096 - accuracy: 0.9055
178/750 [=====>.....] - ETA: 0s - loss: 0.4090 - accuracy: 0.9072
267/750 [=====>.....] - ETA: 0s - loss: 0.4185 - accuracy: 0.9029
357/750 [=====>.....] - ETA: 0s - loss: 0.4194 - accuracy: 0.9028
446/750 [=====>.....] - ETA: 0s - loss: 0.4213 - accuracy: 0.9025
535/750 [=====>.....] - ETA: 0s - loss: 0.4222 - accuracy: 0.9017
622/750 [=====>.....] - ETA: 0s - loss: 0.4207 - accuracy: 0.9022
710/750 [=====>..] - ETA: 0s - loss: 0.4210 - accuracy: 0.9019
750/750 [=====>] - 1s 700us/step - loss: 0.4220 - accuracy: 0.9012 - val_loss: 0.4745 - val_accuracy: 0.8839
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.3997 - accuracy: 0.9375
84/750 [==>.....] - ETA: 0s - loss: 0.4125 - accuracy: 0.9020
173/750 [=====>.....] - ETA: 0s - loss: 0.4124 - accuracy: 0.9043
263/750 [=====>.....] - ETA: 0s - loss: 0.4078 - accuracy: 0.9046

350/750 [=====>.....] - ETA: 0s - loss: 0.4131 - accuracy: 0.9032
439/750 [=====>.....] - ETA: 0s - loss: 0.4175 - accuracy: 0.9014
526/750 [=====>.....] - ETA: 0s - loss: 0.4168 - accuracy: 0.9020
614/750 [=====>.....] - ETA: 0s - loss: 0.4180 - accuracy: 0.9017
703/750 [=====>..] - ETA: 0s - loss: 0.4200 - accuracy: 0.9007
750/750 [=====] - 1s 701us/step - loss: 0.4205 - accuracy: 0.9004 - val_loss: 0.4965 - val_accuracy: 0.8743
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.3774 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.4247 - accuracy: 0.8964
177/750 [=====>.....] - ETA: 0s - loss: 0.4258 - accuracy: 0.8957
269/750 [=====>.....] - ETA: 0s - loss: 0.4230 - accuracy: 0.8979
358/750 [=====>.....] - ETA: 0s - loss: 0.4164 - accuracy: 0.9012
445/750 [=====>.....] - ETA: 0s - loss: 0.4177 - accuracy: 0.9014
534/750 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy: 0.9024
622/750 [=====>.....] - ETA: 0s - loss: 0.4170 - accuracy: 0.9022
712/750 [=====>..] - ETA: 0s - loss: 0.4169 - accuracy: 0.9028
750/750 [=====] - 1s 701us/step - loss: 0.4176 - accuracy: 0.9026 - val_loss: 0.4770 - val_accuracy: 0.8818
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.3617 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.4207 - accuracy: 0.9076
178/750 [=====>.....] - ETA: 0s - loss: 0.4189 - accuracy: 0.9054
268/750 [=====>.....] - ETA: 0s - loss: 0.4200 - accuracy: 0.9033
357/750 [=====>.....] - ETA: 0s - loss: 0.4192 - accuracy: 0.9049
445/750 [=====>.....] - ETA: 0s - loss: 0.4171 - accuracy: 0.9057
534/750 [=====>.....] - ETA: 0s - loss: 0.4184 - accuracy: 0.9040

622/750 [=====>.....] - ETA: 0s - loss: 0.4175 - accuracy: 0.9033
714/750 [=====>..] - ETA: 0s - loss: 0.4179 - accuracy: 0.9026
750/750 [=====] - 1s 696us/step - loss: 0.4172 - accuracy: 0.9027 - val_loss: 0.4796 - val_accuracy: 0.8812
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.5020 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.4046 - accuracy: 0.9088
178/750 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy: 0.9077
268/750 [=====>.....] - ETA: 0s - loss: 0.4140 - accuracy: 0.9044
358/750 [=====>.....] - ETA: 0s - loss: 0.4122 - accuracy: 0.9033
441/750 [=====>.....] - ETA: 0s - loss: 0.4127 - accuracy: 0.9039
528/750 [=====>.....] - ETA: 0s - loss: 0.4149 - accuracy: 0.9037
618/750 [=====>.....] - ETA: 0s - loss: 0.4155 - accuracy: 0.9035
706/750 [=====>..] - ETA: 0s - loss: 0.4142 - accuracy: 0.9038
750/750 [=====] - 1s 704us/step - loss: 0.4148 - accuracy: 0.9032 - val_loss: 0.4784 - val_accuracy: 0.8811
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9375
92/750 [==>.....] - ETA: 0s - loss: 0.4145 - accuracy: 0.9040
181/750 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy: 0.9062
273/750 [=====>.....] - ETA: 0s - loss: 0.4103 - accuracy: 0.9052
362/750 [=====>.....] - ETA: 0s - loss: 0.4112 - accuracy: 0.9040
452/750 [=====>.....] - ETA: 0s - loss: 0.4088 - accuracy: 0.9049
542/750 [=====>.....] - ETA: 0s - loss: 0.4099 - accuracy: 0.9050
633/750 [=====>....] - ETA: 0s - loss: 0.4118 - accuracy: 0.9037
717/750 [=====>..] - ETA: 0s - loss: 0.4123 - accuracy: 0.9035
750/750 [=====] - 1s 698us/step - loss: 0.4135 - accuracy: 0.9031 - val_loss: 0.4934 - val_accuracy: 0.8753

Epoch 62/220

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1/750 [.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.8281
87/750 [==>.....] - ETA: 0s - loss: 0.4103 - accuracy: 0.9012
174/750 [=====>.....] - ETA: 0s - loss: 0.4057 - accuracy: 0.9051
257/750 [=====>.....] - ETA: 0s - loss: 0.4132 - accuracy: 0.9028
343/750 [======>.....] - ETA: 0s - loss: 0.4105 - accuracy: 0.9040
428/750 [======>.....] - ETA: 0s - loss: 0.4109 - accuracy: 0.9041
513/750 [======>.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.9046
600/750 [======>.....] - ETA: 0s - loss: 0.4120 - accuracy: 0.9039
688/750 [======>...] - ETA: 0s - loss: 0.4130 - accuracy: 0.9033
750/750 [=====] - 1s 714us/step - loss: 0.4130 - accuracy: 0.9034 - val_loss: 0.4956 - val_accuracy: 0.8766
Epoch 63/220
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1/750 [.....] - ETA: 0s - loss: 0.2542 - accuracy: 1.0000
89/750 [==>.....] - ETA: 0s - loss: 0.4149 - accuracy: 0.9017
179/750 [=====>.....] - ETA: 0s - loss: 0.4151 - accuracy: 0.8999
267/750 [=====>.....] - ETA: 0s - loss: 0.4125 - accuracy: 0.9017
352/750 [======>.....] - ETA: 0s - loss: 0.4115 - accuracy: 0.9030
438/750 [======>.....] - ETA: 0s - loss: 0.4138 - accuracy: 0.9028
521/750 [======>.....] - ETA: 0s - loss: 0.4152 - accuracy: 0.9024
607/750 [======>.....] - ETA: 0s - loss: 0.4149 - accuracy: 0.9021
696/750 [======>...] - ETA: 0s - loss: 0.4123 - accuracy: 0.9033
750/750 [=====] - 1s 705us/step - loss: 0.4123 - accuracy: 0.9035 - val_loss: 0.4749 - val_accuracy: 0.8831
Epoch 64/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.2647 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.4112 - accuracy: 0.9069
```

180/750 [=====>.....] - ETA: 0s - loss: 0.4045 - accuracy: 0.9075
268/750 [=====>.....] - ETA: 0s - loss: 0.4019 - accuracy: 0.9082
350/750 [=====>.....] - ETA: 0s - loss: 0.4058 - accuracy: 0.9058
435/750 [=====>.....] - ETA: 0s - loss: 0.4065 - accuracy: 0.9050
524/750 [=====>.....] - ETA: 0s - loss: 0.4067 - accuracy: 0.9052
611/750 [=====>.....] - ETA: 0s - loss: 0.4079 - accuracy: 0.9048
699/750 [=====>...] - ETA: 0s - loss: 0.4084 - accuracy: 0.9044
750/750 [=====>] - 1s 708us/step - loss: 0.4104 - accuracy: 0.9036 - val_loss: 0.4874 - val_accuracy: 0.8804
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.4109 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.4015 - accuracy: 0.9099
170/750 [=====>.....] - ETA: 0s - loss: 0.4019 - accuracy: 0.9080
256/750 [=====>.....] - ETA: 0s - loss: 0.4057 - accuracy: 0.9054
342/750 [=====>.....] - ETA: 0s - loss: 0.4098 - accuracy: 0.9039
426/750 [=====>.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.9046
514/750 [=====>.....] - ETA: 0s - loss: 0.4114 - accuracy: 0.9034
595/750 [=====>.....] - ETA: 0s - loss: 0.4105 - accuracy: 0.9040
680/750 [=====>...] - ETA: 0s - loss: 0.4088 - accuracy: 0.9046
750/750 [=====>] - 1s 722us/step - loss: 0.4080 - accuracy: 0.9049 - val_loss: 0.4734 - val_accuracy: 0.8852
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.4905 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.4101 - accuracy: 0.9045
173/750 [=====>.....] - ETA: 0s - loss: 0.4066 - accuracy: 0.9034
260/750 [=====>.....] - ETA: 0s - loss: 0.4083 - accuracy: 0.9033
346/750 [=====>.....] - ETA: 0s - loss: 0.4077 - accuracy: 0.9043

431/750 [=====>.....] - ETA: 0s - loss: 0.4082 - accuracy: 0.9051
516/750 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy: 0.9044
598/750 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy: 0.9049
684/750 [=====>...] - ETA: 0s - loss: 0.4082 - accuracy: 0.9049
750/750 [=====] - 1s 725us/step - loss: 0.4074 - accuracy: 0.9050 - val_loss: 0.4660 - val_accuracy: 0.8859
Epoch 67/220

1/750 [.....] - ETA: 1s - loss: 0.3598 - accuracy: 0.9219
84/750 [==>.....] - ETA: 0s - loss: 0.3952 - accuracy: 0.9081
168/750 [====>.....] - ETA: 0s - loss: 0.4035 - accuracy: 0.9055
251/750 [=====>.....] - ETA: 0s - loss: 0.4089 - accuracy: 0.9044
339/750 [=====>.....] - ETA: 0s - loss: 0.4103 - accuracy: 0.9033
423/750 [=====>.....] - ETA: 0s - loss: 0.4080 - accuracy: 0.9041
511/750 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy: 0.9039
597/750 [=====>.....] - ETA: 0s - loss: 0.4066 - accuracy: 0.9045
684/750 [=====>...] - ETA: 0s - loss: 0.4060 - accuracy: 0.9047
750/750 [=====] - 1s 740us/step - loss: 0.4060 - accuracy: 0.9054 - val_loss: 0.4796 - val_accuracy: 0.8794
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.2600 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.3943 - accuracy: 0.9097
172/750 [====>.....] - ETA: 0s - loss: 0.4023 - accuracy: 0.9055
248/750 [=====>.....] - ETA: 0s - loss: 0.4026 - accuracy: 0.9056
325/750 [=====>.....] - ETA: 0s - loss: 0.4041 - accuracy: 0.9052
411/750 [=====>.....] - ETA: 0s - loss: 0.4033 - accuracy: 0.9056
498/750 [=====>.....] - ETA: 0s - loss: 0.4050 - accuracy: 0.9049
579/750 [=====>.....] - ETA: 0s - loss: 0.4052 - accuracy: 0.9045

647/750 [=====>.....] - ETA: 0s - loss: 0.4063 - accuracy: 0.9041
734/750 [=====>.] - ETA: 0s - loss: 0.4053 - accuracy: 0.9047
750/750 [=====] - 1s 746us/step - loss: 0.4051 - accuracy: 0.9049 - val_loss: 0.4830 - val_accuracy: 0.8814
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.4254 - accuracy: 0.8906
91/750 [==>.....] - ETA: 0s - loss: 0.4060 - accuracy: 0.9062
179/750 [=====>.....] - ETA: 0s - loss: 0.3991 - accuracy: 0.9075
267/750 [=====>.....] - ETA: 0s - loss: 0.4033 - accuracy: 0.9070
356/750 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy: 0.9071
446/750 [=====>.....] - ETA: 0s - loss: 0.3985 - accuracy: 0.9078
537/750 [=====>.....] - ETA: 0s - loss: 0.3977 - accuracy: 0.9081
624/750 [=====>.....] - ETA: 0s - loss: 0.3999 - accuracy: 0.9074
711/750 [=====>..] - ETA: 0s - loss: 0.4027 - accuracy: 0.9062
750/750 [=====] - 1s 694us/step - loss: 0.4026 - accuracy: 0.9063 - val_loss: 0.4704 - val_accuracy: 0.8833
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.3800 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3951 - accuracy: 0.9064
178/750 [=====>.....] - ETA: 0s - loss: 0.3978 - accuracy: 0.9074
266/750 [=====>.....] - ETA: 0s - loss: 0.3963 - accuracy: 0.9073
356/750 [=====>.....] - ETA: 0s - loss: 0.4007 - accuracy: 0.9066
443/750 [=====>.....] - ETA: 0s - loss: 0.4006 - accuracy: 0.9074
532/750 [=====>.....] - ETA: 0s - loss: 0.4009 - accuracy: 0.9070
622/750 [=====>.....] - ETA: 0s - loss: 0.4018 - accuracy: 0.9064
707/750 [=====>..] - ETA: 0s - loss: 0.4023 - accuracy: 0.9064
750/750 [=====] - 1s 701us/step - loss: 0.4020 - accuracy: 0.9066 - val_loss: 0.4841 - val_accuracy: 0.8771

Epoch 71/220

```
1/750 [.....] - ETA: 0s - loss: 0.4595 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3955 - accuracy: 0.9112
179/750 [=====>.....] - ETA: 0s - loss: 0.3980 - accuracy: 0.9062
263/750 [=====>.....] - ETA: 0s - loss: 0.3978 - accuracy: 0.9076
351/750 [======>.....] - ETA: 0s - loss: 0.4003 - accuracy: 0.9065
442/750 [======>.....] - ETA: 0s - loss: 0.3992 - accuracy: 0.9067
529/750 [======>.....] - ETA: 0s - loss: 0.4003 - accuracy: 0.9070
619/750 [======>.....] - ETA: 0s - loss: 0.4000 - accuracy: 0.9068
707/750 [======>..] - ETA: 0s - loss: 0.4000 - accuracy: 0.9065
750/750 [=====] - 1s 705us/step - loss: 0.3994 - accuracy: 0.9064 - val_loss: 0.5245 - val_accuracy: 0.8610
Epoch 72/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3559 - accuracy: 0.9531
79/750 [==>.....] - ETA: 0s - loss: 0.3940 - accuracy: 0.9114
164/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.9104
248/750 [=====>.....] - ETA: 0s - loss: 0.3929 - accuracy: 0.9093
330/750 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy: 0.9088
420/750 [======>.....] - ETA: 0s - loss: 0.3936 - accuracy: 0.9084
504/750 [======>.....] - ETA: 0s - loss: 0.3954 - accuracy: 0.9082
588/750 [======>.....] - ETA: 0s - loss: 0.3988 - accuracy: 0.9076
676/750 [======>...] - ETA: 0s - loss: 0.3990 - accuracy: 0.9081
750/750 [=====] - 1s 724us/step - loss: 0.3991 - accuracy: 0.9084 - val_loss: 0.4690 - val_accuracy: 0.8837
Epoch 73/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5533 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.4032 - accuracy: 0.9080
```

177/750 [=====>.....] - ETA: 0s - loss: 0.3949 - accuracy: 0.9091
263/750 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy: 0.9083
349/750 [=====>.....] - ETA: 0s - loss: 0.3951 - accuracy: 0.9098
436/750 [=====>.....] - ETA: 0s - loss: 0.3952 - accuracy: 0.9097
524/750 [=====>.....] - ETA: 0s - loss: 0.3960 - accuracy: 0.9091
609/750 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy: 0.9081
700/750 [=====>..] - ETA: 0s - loss: 0.3969 - accuracy: 0.9090
750/750 [=====>] - 1s 705us/step - loss: 0.3978 - accuracy: 0.9089 - val_loss: 0.4715 - val_accuracy: 0.8842
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.2932 - accuracy: 0.9531
90/750 [==>.....] - ETA: 0s - loss: 0.3913 - accuracy: 0.9061
181/750 [=====>.....] - ETA: 0s - loss: 0.3903 - accuracy: 0.9072
271/750 [=====>.....] - ETA: 0s - loss: 0.3955 - accuracy: 0.9060
361/750 [=====>.....] - ETA: 0s - loss: 0.4001 - accuracy: 0.9047
451/750 [=====>.....] - ETA: 0s - loss: 0.4012 - accuracy: 0.9048
542/750 [=====>.....] - ETA: 0s - loss: 0.4016 - accuracy: 0.9047
631/750 [=====>.....] - ETA: 0s - loss: 0.3997 - accuracy: 0.9060
724/750 [=====>..] - ETA: 0s - loss: 0.3976 - accuracy: 0.9069
750/750 [=====>] - 1s 684us/step - loss: 0.3973 - accuracy: 0.9068 - val_loss: 0.4768 - val_accuracy: 0.8791
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3963 - accuracy: 0.9080
172/750 [=====>.....] - ETA: 0s - loss: 0.3965 - accuracy: 0.9082
259/750 [=====>.....] - ETA: 0s - loss: 0.3950 - accuracy: 0.9071
343/750 [=====>.....] - ETA: 0s - loss: 0.3962 - accuracy: 0.9068

432/750 [=====>.....] - ETA: 0s - loss: 0.3953 - accuracy: 0.9075
519/750 [=====>.....] - ETA: 0s - loss: 0.3944 - accuracy: 0.9078
605/750 [=====>.....] - ETA: 0s - loss: 0.3953 - accuracy: 0.9076
693/750 [=====>...] - ETA: 0s - loss: 0.3955 - accuracy: 0.9076
750/750 [=====] - 1s 725us/step - loss: 0.3963 - accuracy: 0.9076 - val_loss: 0.4699 - val_accuracy: 0.8832
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.3553 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3982 - accuracy: 0.9104
175/750 [=====>.....] - ETA: 0s - loss: 0.3998 - accuracy: 0.9077
262/750 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy: 0.9073
351/750 [=====>.....] - ETA: 0s - loss: 0.3962 - accuracy: 0.9083
441/750 [=====>.....] - ETA: 0s - loss: 0.3973 - accuracy: 0.9077
530/750 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy: 0.9071
617/750 [=====>.....] - ETA: 0s - loss: 0.3961 - accuracy: 0.9077
703/750 [=====>..] - ETA: 0s - loss: 0.3965 - accuracy: 0.9073
750/750 [=====] - 1s 704us/step - loss: 0.3952 - accuracy: 0.9078 - val_loss: 0.4751 - val_accuracy: 0.8785
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.3035 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3890 - accuracy: 0.9120
170/750 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy: 0.9108
255/750 [=====>.....] - ETA: 0s - loss: 0.3873 - accuracy: 0.9100
344/750 [=====>.....] - ETA: 0s - loss: 0.3854 - accuracy: 0.9106
424/750 [=====>.....] - ETA: 0s - loss: 0.3866 - accuracy: 0.9102
512/750 [=====>.....] - ETA: 0s - loss: 0.3857 - accuracy: 0.9110
600/750 [=====>.....] - ETA: 0s - loss: 0.3889 - accuracy: 0.9103

683/750 [=====>...] - ETA: 0s - loss: 0.3918 - accuracy:
0.9093
750/750 [=====] - 1s 720us/step - loss: 0.3937 - accuracy:
0.9085 - val_loss: 0.4671 - val_accuracy: 0.8841
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.4234 - accuracy:
0.8750
93/750 [==>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9115
179/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
0.9112
263/750 [=====>.....] - ETA: 0s - loss: 0.3928 - accuracy:
0.9102
350/750 [=====>.....] - ETA: 0s - loss: 0.3940 - accuracy:
0.9105
437/750 [=====>.....] - ETA: 0s - loss: 0.3936 - accuracy:
0.9099
524/750 [=====>.....] - ETA: 0s - loss: 0.3964 - accuracy:
0.9086
611/750 [=====>.....] - ETA: 0s - loss: 0.3949 - accuracy:
0.9095
696/750 [=====>...] - ETA: 0s - loss: 0.3942 - accuracy:
0.9097
750/750 [=====] - 1s 717us/step - loss: 0.3938 - accuracy:
0.9101 - val_loss: 0.4741 - val_accuracy: 0.8777
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.4551 - accuracy:
0.8906
83/750 [==>.....] - ETA: 0s - loss: 0.4123 - accuracy:
0.9046
171/750 [=====>.....] - ETA: 0s - loss: 0.4000 - accuracy:
0.9060
256/750 [=====>.....] - ETA: 0s - loss: 0.3957 - accuracy:
0.9074
340/750 [=====>.....] - ETA: 0s - loss: 0.3942 - accuracy:
0.9080
426/750 [=====>.....] - ETA: 0s - loss: 0.3924 - accuracy:
0.9088
509/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
0.9095
598/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
0.9099
686/750 [=====>...] - ETA: 0s - loss: 0.3908 - accuracy:
0.9095
750/750 [=====] - 1s 717us/step - loss: 0.3918 - accuracy:
0.9093 - val_loss: 0.4653 - val_accuracy: 0.8855
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.4346 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.3993 - accuracy: 0.9119
179/750 [=====>.....] - ETA: 0s - loss: 0.3944 - accuracy: 0.9099
267/750 [=====>.....] - ETA: 0s - loss: 0.3945 - accuracy: 0.9070
356/750 [======>.....] - ETA: 0s - loss: 0.3927 - accuracy: 0.9078
444/750 [======>.....] - ETA: 0s - loss: 0.3934 - accuracy: 0.9083
532/750 [======>.....] - ETA: 0s - loss: 0.3937 - accuracy: 0.9077
620/750 [======>.....] - ETA: 0s - loss: 0.3913 - accuracy: 0.9084
706/750 [======>..] - ETA: 0s - loss: 0.3906 - accuracy: 0.9090
750/750 [=====] - 1s 698us/step - loss: 0.3906 - accuracy: 0.9088 - val_loss: 0.4755 - val_accuracy: 0.8810
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.3815 - accuracy: 0.9531
68/750 [=>.....] - ETA: 0s - loss: 0.3707 - accuracy: 0.9212
152/750 [=====>.....] - ETA: 0s - loss: 0.3822 - accuracy: 0.9156
242/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy: 0.9142
329/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.9123
417/750 [======>.....] - ETA: 0s - loss: 0.3863 - accuracy: 0.9125
508/750 [======>.....] - ETA: 0s - loss: 0.3864 - accuracy: 0.9131
597/750 [======>.....] - ETA: 0s - loss: 0.3894 - accuracy: 0.9120
688/750 [======>...] - ETA: 0s - loss: 0.3899 - accuracy: 0.9116
750/750 [=====] - 1s 712us/step - loss: 0.3902 - accuracy: 0.9115 - val_loss: 0.4689 - val_accuracy: 0.8842
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.3078 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.4015 - accuracy: 0.9048
169/750 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy: 0.9100

258/750 [=====>.....] - ETA: 0s - loss: 0.3856 - accuracy: 0.9113
331/750 [=====>.....] - ETA: 0s - loss: 0.3833 - accuracy: 0.9122
421/750 [=====>.....] - ETA: 0s - loss: 0.3833 - accuracy: 0.9129
501/750 [=====>.....] - ETA: 0s - loss: 0.3863 - accuracy: 0.9120
591/750 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy: 0.9111
681/750 [=====>...] - ETA: 0s - loss: 0.3888 - accuracy: 0.9104
750/750 [=====] - 1s 745us/step - loss: 0.3899 - accuracy: 0.9097 - val_loss: 0.4881 - val_accuracy: 0.8746
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.3509 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.3874 - accuracy: 0.9103
174/750 [====>.....] - ETA: 0s - loss: 0.3891 - accuracy: 0.9104
259/750 [=====>.....] - ETA: 0s - loss: 0.3850 - accuracy: 0.9126
338/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy: 0.9118
414/750 [=====>.....] - ETA: 0s - loss: 0.3859 - accuracy: 0.9108
500/750 [=====>.....] - ETA: 0s - loss: 0.3879 - accuracy: 0.9102
580/750 [=====>.....] - ETA: 0s - loss: 0.3868 - accuracy: 0.9113
667/750 [=====>....] - ETA: 0s - loss: 0.3861 - accuracy: 0.9113
750/750 [=====] - 1s 728us/step - loss: 0.3873 - accuracy: 0.9112 - val_loss: 0.5085 - val_accuracy: 0.8672
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.5641 - accuracy: 0.8281
84/750 [==>.....] - ETA: 0s - loss: 0.3750 - accuracy: 0.9148
154/750 [====>.....] - ETA: 0s - loss: 0.3768 - accuracy: 0.9166
224/750 [=====>.....] - ETA: 0s - loss: 0.3769 - accuracy: 0.9163
300/750 [=====>.....] - ETA: 0s - loss: 0.3798 - accuracy: 0.9141
381/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy: 0.9135

466/750 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy: 0.9123
549/750 [=====>.....] - ETA: 0s - loss: 0.3837 - accuracy: 0.9115
636/750 [=====>.....] - ETA: 0s - loss: 0.3859 - accuracy: 0.9107
721/750 [=====>..] - ETA: 0s - loss: 0.3875 - accuracy: 0.9100
750/750 [=====] - 1s 770us/step - loss: 0.3875 - accuracy: 0.9101 - val_loss: 0.4860 - val_accuracy: 0.8771
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.3966 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.3898 - accuracy: 0.9121
162/750 [=====>.....] - ETA: 0s - loss: 0.3828 - accuracy: 0.9132
251/750 [=====>.....] - ETA: 0s - loss: 0.3870 - accuracy: 0.9107
338/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy: 0.9113
426/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy: 0.9115
512/750 [=====>.....] - ETA: 0s - loss: 0.3864 - accuracy: 0.9106
597/750 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy: 0.9100
683/750 [=====>...] - ETA: 0s - loss: 0.3883 - accuracy: 0.9101
750/750 [=====] - 1s 736us/step - loss: 0.3874 - accuracy: 0.9100 - val_loss: 0.4771 - val_accuracy: 0.8788
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.3600 - accuracy: 0.9375
85/750 [==>.....] - ETA: 0s - loss: 0.3818 - accuracy: 0.9134
174/750 [=====>.....] - ETA: 0s - loss: 0.3844 - accuracy: 0.9115
263/750 [=====>.....] - ETA: 0s - loss: 0.3820 - accuracy: 0.9123
351/750 [=====>.....] - ETA: 0s - loss: 0.3828 - accuracy: 0.9120
441/750 [=====>.....] - ETA: 0s - loss: 0.3820 - accuracy: 0.9124
532/750 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy: 0.9125
621/750 [=====>.....] - ETA: 0s - loss: 0.3863 - accuracy: 0.9117

714/750 [=====>..] - ETA: 0s - loss: 0.3858 - accuracy:
0.9116
750/750 [=====] - 1s 705us/step - loss: 0.3859 - accuracy:
0.9116 - val_loss: 0.4712 - val_accuracy: 0.8817
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3735 - accuracy:
0.9158
174/750 [====>.....] - ETA: 0s - loss: 0.3811 - accuracy:
0.9145
265/750 [=====>.....] - ETA: 0s - loss: 0.3833 - accuracy:
0.9146
353/750 [=====>.....] - ETA: 0s - loss: 0.3804 - accuracy:
0.9147
443/750 [=====>.....] - ETA: 0s - loss: 0.3816 - accuracy:
0.9137
534/750 [=====>.....] - ETA: 0s - loss: 0.3826 - accuracy:
0.9137
620/750 [=====>.....] - ETA: 0s - loss: 0.3842 - accuracy:
0.9129
708/750 [=====>..] - ETA: 0s - loss: 0.3859 - accuracy:
0.9123
750/750 [=====] - 1s 700us/step - loss: 0.3856 - accuracy:
0.9119 - val_loss: 0.4700 - val_accuracy: 0.8812
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.3612 - accuracy:
0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9125
177/750 [=====>.....] - ETA: 0s - loss: 0.3882 - accuracy:
0.9108
267/750 [=====>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9118
358/750 [=====>.....] - ETA: 0s - loss: 0.3833 - accuracy:
0.9135
442/750 [=====>.....] - ETA: 0s - loss: 0.3837 - accuracy:
0.9136
529/750 [=====>.....] - ETA: 0s - loss: 0.3861 - accuracy:
0.9124
618/750 [=====>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9126
705/750 [=====>..] - ETA: 0s - loss: 0.3862 - accuracy:
0.9117
750/750 [=====] - 1s 700us/step - loss: 0.3846 - accuracy:
0.9124 - val_loss: 0.4802 - val_accuracy: 0.8775
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.2753 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3820 - accuracy: 0.9143
179/750 [=====>.....] - ETA: 0s - loss: 0.3886 - accuracy: 0.9110
267/750 [=====>.....] - ETA: 0s - loss: 0.3836 - accuracy: 0.9128
359/750 [======>.....] - ETA: 0s - loss: 0.3822 - accuracy: 0.9136
449/750 [======>.....] - ETA: 0s - loss: 0.3820 - accuracy: 0.9134
540/750 [======>.....] - ETA: 0s - loss: 0.3841 - accuracy: 0.9124
630/750 [======>.....] - ETA: 0s - loss: 0.3838 - accuracy: 0.9120
717/750 [======>..] - ETA: 0s - loss: 0.3829 - accuracy: 0.9121
750/750 [=====] - 1s 698us/step - loss: 0.3838 - accuracy: 0.9116 - val_loss: 0.5181 - val_accuracy: 0.8647
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.3993 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.3901 - accuracy: 0.9132
174/750 [=====>.....] - ETA: 0s - loss: 0.3832 - accuracy: 0.9140
259/750 [=====>.....] - ETA: 0s - loss: 0.3794 - accuracy: 0.9154
346/750 [======>.....] - ETA: 0s - loss: 0.3789 - accuracy: 0.9153
432/750 [======>.....] - ETA: 0s - loss: 0.3788 - accuracy: 0.9145
515/750 [======>.....] - ETA: 0s - loss: 0.3779 - accuracy: 0.9145
603/750 [======>.....] - ETA: 0s - loss: 0.3797 - accuracy: 0.9139
684/750 [======>...] - ETA: 0s - loss: 0.3811 - accuracy: 0.9131
750/750 [=====] - 1s 717us/step - loss: 0.3819 - accuracy: 0.9130 - val_loss: 0.4688 - val_accuracy: 0.8846
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.4267 - accuracy: 0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.3847 - accuracy: 0.9146
182/750 [=====>.....] - ETA: 0s - loss: 0.3850 - accuracy: 0.9142

269/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.9114
360/750 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy: 0.9118
450/750 [=====>.....] - ETA: 0s - loss: 0.3872 - accuracy: 0.9118
536/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy: 0.9125
626/750 [=====>.....] - ETA: 0s - loss: 0.3829 - accuracy: 0.9122
717/750 [=====>..] - ETA: 0s - loss: 0.3827 - accuracy: 0.9119
750/750 [=====] - 1s 689us/step - loss: 0.3825 - accuracy: 0.9122 - val_loss: 0.4698 - val_accuracy: 0.8841
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.4103 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3742 - accuracy: 0.9125
177/750 [=====>.....] - ETA: 0s - loss: 0.3745 - accuracy: 0.9137
267/750 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy: 0.9140
350/750 [=====>.....] - ETA: 0s - loss: 0.3765 - accuracy: 0.9137
438/750 [=====>.....] - ETA: 0s - loss: 0.3758 - accuracy: 0.9147
524/750 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy: 0.9148
610/750 [=====>.....] - ETA: 0s - loss: 0.3802 - accuracy: 0.9135
703/750 [=====>..] - ETA: 0s - loss: 0.3815 - accuracy: 0.9130
750/750 [=====] - 1s 705us/step - loss: 0.3814 - accuracy: 0.9130 - val_loss: 0.4724 - val_accuracy: 0.8818
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.3165 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3699 - accuracy: 0.9182
177/750 [=====>.....] - ETA: 0s - loss: 0.3771 - accuracy: 0.9160
269/750 [=====>.....] - ETA: 0s - loss: 0.3805 - accuracy: 0.9149
358/750 [=====>.....] - ETA: 0s - loss: 0.3806 - accuracy: 0.9148
445/750 [=====>.....] - ETA: 0s - loss: 0.3794 - accuracy: 0.9150

536/750 [=====>.....] - ETA: 0s - loss: 0.3810 - accuracy: 0.9140
624/750 [=====>.....] - ETA: 0s - loss: 0.3814 - accuracy: 0.9131
711/750 [=====>..] - ETA: 0s - loss: 0.3796 - accuracy: 0.9140
750/750 [=====] - 1s 700us/step - loss: 0.3808 - accuracy: 0.9139 - val_loss: 0.5225 - val_accuracy: 0.8605
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.2890 - accuracy: 0.9219
92/750 [==>.....] - ETA: 0s - loss: 0.3814 - accuracy: 0.9149
180/750 [=====>.....] - ETA: 0s - loss: 0.3812 - accuracy: 0.9122
267/750 [=====>.....] - ETA: 0s - loss: 0.3807 - accuracy: 0.9130
353/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy: 0.9144
440/750 [=====>.....] - ETA: 0s - loss: 0.3773 - accuracy: 0.9145
526/750 [=====>.....] - ETA: 0s - loss: 0.3772 - accuracy: 0.9141
618/750 [=====>.....] - ETA: 0s - loss: 0.3771 - accuracy: 0.9142
708/750 [=====>..] - ETA: 0s - loss: 0.3789 - accuracy: 0.9136
750/750 [=====] - 1s 697us/step - loss: 0.3793 - accuracy: 0.9130 - val_loss: 0.4872 - val_accuracy: 0.8802
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.3122 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3821 - accuracy: 0.9148
180/750 [=====>.....] - ETA: 0s - loss: 0.3754 - accuracy: 0.9185
268/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy: 0.9158
359/750 [=====>.....] - ETA: 0s - loss: 0.3801 - accuracy: 0.9159
445/750 [=====>.....] - ETA: 0s - loss: 0.3788 - accuracy: 0.9159
536/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy: 0.9158
626/750 [=====>.....] - ETA: 0s - loss: 0.3787 - accuracy: 0.9151
711/750 [=====>..] - ETA: 0s - loss: 0.3807 - accuracy: 0.9143

750/750 [=====] - 1s 692us/step - loss: 0.3801 - accuracy: 0.9144 - val_loss: 0.4936 - val_accuracy: 0.8755
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.3806 - accuracy: 0.9118
176/750 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy: 0.9125
261/750 [=====>.....] - ETA: 0s - loss: 0.3804 - accuracy: 0.9133
351/750 [======>.....] - ETA: 0s - loss: 0.3784 - accuracy: 0.9136
434/750 [======>.....] - ETA: 0s - loss: 0.3778 - accuracy: 0.9140
524/750 [======>.....] - ETA: 0s - loss: 0.3778 - accuracy: 0.9139
616/750 [======>.....] - ETA: 0s - loss: 0.3773 - accuracy: 0.9146
704/750 [======>..] - ETA: 0s - loss: 0.3772 - accuracy: 0.9144
750/750 [=====] - 1s 696us/step - loss: 0.3781 - accuracy: 0.9140 - val_loss: 0.4693 - val_accuracy: 0.8836
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.3252 - accuracy: 0.9688
92/750 [==>.....] - ETA: 0s - loss: 0.3712 - accuracy: 0.9136
182/750 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy: 0.9133
272/750 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy: 0.9128
359/750 [======>.....] - ETA: 0s - loss: 0.3775 - accuracy: 0.9140
449/750 [======>.....] - ETA: 0s - loss: 0.3775 - accuracy: 0.9137
536/750 [======>.....] - ETA: 0s - loss: 0.3771 - accuracy: 0.9150
623/750 [======>.....] - ETA: 0s - loss: 0.3769 - accuracy: 0.9150
714/750 [======>..] - ETA: 0s - loss: 0.3771 - accuracy: 0.9150
750/750 [=====] - 1s 692us/step - loss: 0.3780 - accuracy: 0.9148 - val_loss: 0.4843 - val_accuracy: 0.8763
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.4865 - accuracy: 0.8750

87/750 [==>.....] - ETA: 0s - loss: 0.3695 - accuracy: 0.9147
166/750 [=====>.....] - ETA: 0s - loss: 0.3744 - accuracy: 0.9138
251/750 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy: 0.9146
332/750 [======>.....] - ETA: 0s - loss: 0.3736 - accuracy: 0.9156
424/750 [======>.....] - ETA: 0s - loss: 0.3749 - accuracy: 0.9149
514/750 [======>.....] - ETA: 0s - loss: 0.3726 - accuracy: 0.9159
603/750 [======>.....] - ETA: 0s - loss: 0.3746 - accuracy: 0.9151
692/750 [======>...] - ETA: 0s - loss: 0.3754 - accuracy: 0.9146
750/750 [=====] - 1s 710us/step - loss: 0.3762 - accuracy: 0.9140 - val_loss: 0.5186 - val_accuracy: 0.8669
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.4682 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.9171
176/750 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy: 0.9171
267/750 [=====>.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.9156
343/750 [======>.....] - ETA: 0s - loss: 0.3741 - accuracy: 0.9147
425/750 [======>.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.9147
517/750 [======>.....] - ETA: 0s - loss: 0.3744 - accuracy: 0.9140
605/750 [======>.....] - ETA: 0s - loss: 0.3760 - accuracy: 0.9141
693/750 [======>...] - ETA: 0s - loss: 0.3779 - accuracy: 0.9137
750/750 [=====] - 1s 710us/step - loss: 0.3788 - accuracy: 0.9137 - val_loss: 0.4677 - val_accuracy: 0.8822
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.3684 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3801 - accuracy: 0.9155
171/750 [=====>.....] - ETA: 0s - loss: 0.3793 - accuracy: 0.9144
256/750 [=====>.....] - ETA: 0s - loss: 0.3765 - accuracy: 0.9152

349/750 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy: 0.9137
439/750 [=====>.....] - ETA: 0s - loss: 0.3782 - accuracy: 0.9150
514/750 [=====>.....] - ETA: 0s - loss: 0.3767 - accuracy: 0.9154
604/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy: 0.9149
694/750 [=====>...] - ETA: 0s - loss: 0.3767 - accuracy: 0.9155
750/750 [=====] - 1s 708us/step - loss: 0.3756 - accuracy: 0.9155 - val_loss: 0.4731 - val_accuracy: 0.8800
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.4253 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.3701 - accuracy: 0.9181
181/750 [=====>.....] - ETA: 0s - loss: 0.3715 - accuracy: 0.9155
270/750 [=====>.....] - ETA: 0s - loss: 0.3734 - accuracy: 0.9149
360/750 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy: 0.9161
449/750 [=====>.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.9156
538/750 [=====>.....] - ETA: 0s - loss: 0.3743 - accuracy: 0.9146
630/750 [=====>.....] - ETA: 0s - loss: 0.3730 - accuracy: 0.9151
716/750 [=====>...] - ETA: 0s - loss: 0.3738 - accuracy: 0.9151
750/750 [=====] - 1s 690us/step - loss: 0.3741 - accuracy: 0.9150 - val_loss: 0.4712 - val_accuracy: 0.8858
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.3383 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9195
171/750 [=====>.....] - ETA: 0s - loss: 0.3731 - accuracy: 0.9158
258/750 [=====>.....] - ETA: 0s - loss: 0.3736 - accuracy: 0.9150
346/750 [=====>.....] - ETA: 0s - loss: 0.3764 - accuracy: 0.9150
436/750 [=====>.....] - ETA: 0s - loss: 0.3754 - accuracy: 0.9155
524/750 [=====>.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.9156

616/750 [=====>.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9149
706/750 [=====>..] - ETA: 0s - loss: 0.3735 - accuracy: 0.9156
750/750 [=====] - 1s 700us/step - loss: 0.3747 - accuracy: 0.9150 - val_loss: 0.4749 - val_accuracy: 0.8816
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.2550 - accuracy: 0.9844
86/750 [==>.....] - ETA: 0s - loss: 0.3744 - accuracy: 0.9186
176/750 [=====>.....] - ETA: 0s - loss: 0.3700 - accuracy: 0.9202
265/750 [=====>.....] - ETA: 0s - loss: 0.3743 - accuracy: 0.9167
353/750 [=====>.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.9165
441/750 [=====>.....] - ETA: 0s - loss: 0.3739 - accuracy: 0.9159
531/750 [=====>.....] - ETA: 0s - loss: 0.3735 - accuracy: 0.9153
620/750 [=====>.....] - ETA: 0s - loss: 0.3739 - accuracy: 0.9157
708/750 [=====>..] - ETA: 0s - loss: 0.3732 - accuracy: 0.9157
750/750 [=====] - 1s 696us/step - loss: 0.3741 - accuracy: 0.9153 - val_loss: 0.4701 - val_accuracy: 0.8851
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.3187 - accuracy: 0.9219
80/750 [==>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.9242
170/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy: 0.9227
261/750 [=====>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.9214
343/750 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9201
431/750 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy: 0.9196
521/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy: 0.9186
609/750 [=====>.....] - ETA: 0s - loss: 0.3709 - accuracy: 0.9172
699/750 [=====>...] - ETA: 0s - loss: 0.3725 - accuracy: 0.9164
750/750 [=====] - 1s 708us/step - loss: 0.3728 - accuracy: 0.9163 - val_loss: 0.4601 - val_accuracy: 0.8875

Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.3261 - accuracy: 0.9375
93/750 [==>.....] - ETA: 0s - loss: 0.3671 - accuracy: 0.9195
182/750 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy: 0.9184
273/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy: 0.9195
362/750 [======>.....] - ETA: 0s - loss: 0.3655 - accuracy: 0.9189
452/750 [======>.....] - ETA: 0s - loss: 0.3656 - accuracy: 0.9190
540/750 [======>.....] - ETA: 0s - loss: 0.3695 - accuracy: 0.9177
626/750 [======>.....] - ETA: 0s - loss: 0.3707 - accuracy: 0.9178
712/750 [======>..] - ETA: 0s - loss: 0.3715 - accuracy: 0.9174
750/750 [=====] - 1s 702us/step - loss: 0.3723 - accuracy: 0.9170 - val_loss: 0.4628 - val_accuracy: 0.8852
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.3548 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3654 - accuracy: 0.9201
160/750 [=====>.....] - ETA: 0s - loss: 0.3708 - accuracy: 0.9181
244/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy: 0.9180
338/750 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy: 0.9173
426/750 [======>.....] - ETA: 0s - loss: 0.3695 - accuracy: 0.9168
516/750 [======>.....] - ETA: 0s - loss: 0.3706 - accuracy: 0.9166
609/750 [======>.....] - ETA: 0s - loss: 0.3715 - accuracy: 0.9163
695/750 [======>...] - ETA: 0s - loss: 0.3730 - accuracy: 0.9158
750/750 [=====] - 1s 702us/step - loss: 0.3734 - accuracy: 0.9157 - val_loss: 0.4703 - val_accuracy: 0.8837
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.2539 - accuracy: 0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3613 - accuracy: 0.9194

180/750 [=====>.....] - ETA: 0s - loss: 0.3745 - accuracy: 0.9141
270/750 [=====>.....] - ETA: 0s - loss: 0.3730 - accuracy: 0.9163
360/750 [=====>.....] - ETA: 0s - loss: 0.3714 - accuracy: 0.9165
448/750 [=====>.....] - ETA: 0s - loss: 0.3704 - accuracy: 0.9167
536/750 [=====>.....] - ETA: 0s - loss: 0.3721 - accuracy: 0.9170
627/750 [=====>.....] - ETA: 0s - loss: 0.3702 - accuracy: 0.9182
715/750 [=====>..] - ETA: 0s - loss: 0.3712 - accuracy: 0.9176
750/750 [=====>] - 1s 694us/step - loss: 0.3718 - accuracy: 0.9173 - val_loss: 0.4916 - val_accuracy: 0.8775
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.4228 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy: 0.9239
183/750 [=====>.....] - ETA: 0s - loss: 0.3615 - accuracy: 0.9214
274/750 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy: 0.9197
364/750 [=====>.....] - ETA: 0s - loss: 0.3710 - accuracy: 0.9176
456/750 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy: 0.9174
542/750 [=====>.....] - ETA: 0s - loss: 0.3715 - accuracy: 0.9166
632/750 [=====>.....] - ETA: 0s - loss: 0.3737 - accuracy: 0.9159
722/750 [=====>..] - ETA: 0s - loss: 0.3721 - accuracy: 0.9161
750/750 [=====>] - 1s 686us/step - loss: 0.3727 - accuracy: 0.9156 - val_loss: 0.4636 - val_accuracy: 0.8868
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3713 - accuracy: 0.9142
177/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy: 0.9139
269/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy: 0.9169
357/750 [=====>.....] - ETA: 0s - loss: 0.3689 - accuracy: 0.9168

447/750 [=====>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.9183
538/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9180
627/750 [=====>.....] - ETA: 0s - loss: 0.3696 - accuracy: 0.9171
707/750 [=====>..] - ETA: 0s - loss: 0.3698 - accuracy: 0.9167
750/750 [=====] - 1s 709us/step - loss: 0.3707 - accuracy: 0.9166 - val_loss: 0.4689 - val_accuracy: 0.8850
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.3283 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3689 - accuracy: 0.9174
178/750 [=====>.....] - ETA: 0s - loss: 0.3737 - accuracy: 0.9171
271/750 [=====>.....] - ETA: 0s - loss: 0.3714 - accuracy: 0.9169
360/750 [=====>.....] - ETA: 0s - loss: 0.3682 - accuracy: 0.9185
447/750 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy: 0.9184
536/750 [=====>.....] - ETA: 0s - loss: 0.3689 - accuracy: 0.9178
621/750 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy: 0.9182
710/750 [=====>..] - ETA: 0s - loss: 0.3704 - accuracy: 0.9180
750/750 [=====] - 1s 696us/step - loss: 0.3700 - accuracy: 0.9179 - val_loss: 0.4865 - val_accuracy: 0.8772
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.4169 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3616 - accuracy: 0.9233
177/750 [=====>.....] - ETA: 0s - loss: 0.3675 - accuracy: 0.9207
264/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy: 0.9199
356/750 [=====>.....] - ETA: 0s - loss: 0.3724 - accuracy: 0.9170
442/750 [=====>.....] - ETA: 0s - loss: 0.3722 - accuracy: 0.9170
532/750 [=====>.....] - ETA: 0s - loss: 0.3706 - accuracy: 0.9184
612/750 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy: 0.9186

701/750 [=====>..] - ETA: 0s - loss: 0.3691 - accuracy:
0.9183
750/750 [=====] - 1s 700us/step - loss: 0.3694 - accuracy:
0.9181 - val_loss: 0.4614 - val_accuracy: 0.8863
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.3553 - accuracy:
0.9229
182/750 [=====>.....] - ETA: 0s - loss: 0.3577 - accuracy:
0.9228
271/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy:
0.9209
362/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9215
450/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
0.9215
539/750 [=====>.....] - ETA: 0s - loss: 0.3648 - accuracy:
0.9194
629/750 [=====>.....] - ETA: 0s - loss: 0.3659 - accuracy:
0.9192
718/750 [=====>..] - ETA: 0s - loss: 0.3664 - accuracy:
0.9190
750/750 [=====] - 1s 692us/step - loss: 0.3676 - accuracy:
0.9185 - val_loss: 0.4856 - val_accuracy: 0.8795
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.4063 - accuracy:
0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.3647 - accuracy:
0.9219
178/750 [=====>.....] - ETA: 0s - loss: 0.3695 - accuracy:
0.9179
266/750 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy:
0.9193
353/750 [=====>.....] - ETA: 0s - loss: 0.3659 - accuracy:
0.9188
443/750 [=====>.....] - ETA: 0s - loss: 0.3662 - accuracy:
0.9188
523/750 [=====>.....] - ETA: 0s - loss: 0.3676 - accuracy:
0.9183
613/750 [=====>.....] - ETA: 0s - loss: 0.3683 - accuracy:
0.9181
706/750 [=====>..] - ETA: 0s - loss: 0.3681 - accuracy:
0.9176
750/750 [=====] - 1s 700us/step - loss: 0.3685 - accuracy:
0.9172 - val_loss: 0.4808 - val_accuracy: 0.8805
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9531
84/750 [==>.....] - ETA: 0s - loss: 0.3524 - accuracy: 0.9263
171/750 [=====>.....] - ETA: 0s - loss: 0.3582 - accuracy: 0.9228
262/750 [=====>.....] - ETA: 0s - loss: 0.3595 - accuracy: 0.9224
349/750 [======>.....] - ETA: 0s - loss: 0.3594 - accuracy: 0.9214
440/750 [======>.....] - ETA: 0s - loss: 0.3617 - accuracy: 0.9204
527/750 [======>.....] - ETA: 0s - loss: 0.3631 - accuracy: 0.9197
617/750 [======>.....] - ETA: 0s - loss: 0.3642 - accuracy: 0.9191
707/750 [======>..] - ETA: 0s - loss: 0.3677 - accuracy: 0.9179
750/750 [=====] - 1s 700us/step - loss: 0.3673 - accuracy: 0.9180 - val_loss: 0.4819 - val_accuracy: 0.8803
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.6019 - accuracy: 0.8281
90/750 [==>.....] - ETA: 0s - loss: 0.3724 - accuracy: 0.9134
177/750 [=====>.....] - ETA: 0s - loss: 0.3685 - accuracy: 0.9165
267/750 [=====>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.9183
354/750 [======>.....] - ETA: 0s - loss: 0.3692 - accuracy: 0.9168
421/750 [======>.....] - ETA: 0s - loss: 0.3666 - accuracy: 0.9185
512/750 [======>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.9185
594/750 [======>.....] - ETA: 0s - loss: 0.3652 - accuracy: 0.9188
681/750 [======>...] - ETA: 0s - loss: 0.3687 - accuracy: 0.9178
750/750 [=====] - 1s 717us/step - loss: 0.3676 - accuracy: 0.9181 - val_loss: 0.6307 - val_accuracy: 0.8366
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9205
180/750 [=====>.....] - ETA: 0s - loss: 0.3576 - accuracy: 0.9201

270/750 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy: 0.9201
361/750 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.9202
449/750 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy: 0.9190
539/750 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy: 0.9184
628/750 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9190
719/750 [=====>..] - ETA: 0s - loss: 0.3677 - accuracy: 0.9182
750/750 [=====] - 1s 690us/step - loss: 0.3676 - accuracy: 0.9183 - val_loss: 0.4873 - val_accuracy: 0.8773
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3576 - accuracy: 0.9238
177/750 [=====>.....] - ETA: 0s - loss: 0.3615 - accuracy: 0.9207
266/750 [=====>.....] - ETA: 0s - loss: 0.3680 - accuracy: 0.9182
349/750 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy: 0.9180
438/750 [=====>.....] - ETA: 0s - loss: 0.3667 - accuracy: 0.9187
528/750 [=====>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.9186
622/750 [=====>.....] - ETA: 0s - loss: 0.3642 - accuracy: 0.9196
711/750 [=====>..] - ETA: 0s - loss: 0.3648 - accuracy: 0.9201
750/750 [=====] - 1s 697us/step - loss: 0.3661 - accuracy: 0.9194 - val_loss: 0.4792 - val_accuracy: 0.8798
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.3135 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3521 - accuracy: 0.9236
184/750 [=====>.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9224
270/750 [=====>.....] - ETA: 0s - loss: 0.3594 - accuracy: 0.9236
361/750 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy: 0.9222
453/750 [=====>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9216

542/750 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy: 0.9195
634/750 [=====>.....] - ETA: 0s - loss: 0.3666 - accuracy: 0.9195
724/750 [=====>..] - ETA: 0s - loss: 0.3673 - accuracy: 0.9190
750/750 [=====] - 1s 680us/step - loss: 0.3669 - accuracy: 0.9192 - val_loss: 0.4629 - val_accuracy: 0.8864
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.3030 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9154
174/750 [====>.....] - ETA: 0s - loss: 0.3680 - accuracy: 0.9175
259/750 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy: 0.9167
339/750 [=====>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9198
427/750 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.9210
516/750 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.9209
604/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9196
693/750 [=====>...] - ETA: 0s - loss: 0.3655 - accuracy: 0.9196
750/750 [=====] - 1s 714us/step - loss: 0.3660 - accuracy: 0.9195 - val_loss: 0.5000 - val_accuracy: 0.8738
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.4478 - accuracy: 0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.9188
174/750 [====>.....] - ETA: 0s - loss: 0.3593 - accuracy: 0.9201
260/750 [=====>.....] - ETA: 0s - loss: 0.3623 - accuracy: 0.9198
345/750 [=====>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9198
432/750 [=====>.....] - ETA: 0s - loss: 0.3666 - accuracy: 0.9185
522/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy: 0.9198
608/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy: 0.9203
694/750 [=====>...] - ETA: 0s - loss: 0.3641 - accuracy: 0.9202

750/750 [=====] - 1s 712us/step - loss: 0.3639 - accuracy: 0.9208 - val_loss: 0.4717 - val_accuracy: 0.8857
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.3822 - accuracy: 0.9122
170/750 [=====>.....] - ETA: 0s - loss: 0.3716 - accuracy: 0.9172
259/750 [=====>.....] - ETA: 0s - loss: 0.3647 - accuracy: 0.9208
351/750 [======>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9209
434/750 [======>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9211
521/750 [======>.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9212
607/750 [======>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9203
694/750 [======>...] - ETA: 0s - loss: 0.3644 - accuracy: 0.9197
750/750 [=====] - 1s 713us/step - loss: 0.3648 - accuracy: 0.9195 - val_loss: 0.4945 - val_accuracy: 0.8768
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.4274 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.3692 - accuracy: 0.9141
172/750 [=====>.....] - ETA: 0s - loss: 0.3651 - accuracy: 0.9163
258/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy: 0.9179
345/750 [======>.....] - ETA: 0s - loss: 0.3589 - accuracy: 0.9209
433/750 [======>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9196
519/750 [======>.....] - ETA: 0s - loss: 0.3619 - accuracy: 0.9200
607/750 [======>.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9202
693/750 [======>...] - ETA: 0s - loss: 0.3632 - accuracy: 0.9200
750/750 [=====] - 1s 713us/step - loss: 0.3638 - accuracy: 0.9197 - val_loss: 0.4839 - val_accuracy: 0.8747
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.3878 - accuracy: 0.8906

90/750 [==>.....] - ETA: 0s - loss: 0.3575 - accuracy: 0.9219
176/750 [=====>.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9230
262/750 [=====>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9192
355/750 [=====>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9199
445/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy: 0.9203
533/750 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy: 0.9201
623/750 [=====>.....] - ETA: 0s - loss: 0.3647 - accuracy: 0.9191
713/750 [=====>..] - ETA: 0s - loss: 0.3645 - accuracy: 0.9194
750/750 [=====>] - 1s 694us/step - loss: 0.3641 - accuracy: 0.9199 - val_loss: 0.5128 - val_accuracy: 0.8662
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.3317 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3548 - accuracy: 0.9244
177/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9213
265/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9212
354/750 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.9206
446/750 [=====>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9215
535/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9207
623/750 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy: 0.9213
713/750 [=====>..] - ETA: 0s - loss: 0.3628 - accuracy: 0.9205
750/750 [=====>] - 1s 697us/step - loss: 0.3633 - accuracy: 0.9204 - val_loss: 0.5036 - val_accuracy: 0.8675
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9531
90/750 [==>.....] - ETA: 0s - loss: 0.3778 - accuracy: 0.9153
180/750 [=====>.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9232
271/750 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy: 0.9233

347/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy: 0.9227
430/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9205
522/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.9208
611/750 [=====>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9214
700/750 [=====>..] - ETA: 0s - loss: 0.3634 - accuracy: 0.9211
750/750 [=====] - 1s 706us/step - loss: 0.3640 - accuracy: 0.9204 - val_loss: 0.4704 - val_accuracy: 0.8842
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.3281 - accuracy: 0.9375
92/750 [==>.....] - ETA: 0s - loss: 0.3585 - accuracy: 0.9243
180/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy: 0.9222
271/750 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy: 0.9208
362/750 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy: 0.9192
450/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy: 0.9193
542/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy: 0.9194
626/750 [=====>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9193
713/750 [=====>..] - ETA: 0s - loss: 0.3648 - accuracy: 0.9191
750/750 [=====] - 1s 696us/step - loss: 0.3640 - accuracy: 0.9196 - val_loss: 0.4692 - val_accuracy: 0.8831
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.3598 - accuracy: 0.9219
94/750 [==>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.9230
178/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy: 0.9211
269/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy: 0.9222
361/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9234
449/750 [=====>.....] - ETA: 0s - loss: 0.3594 - accuracy: 0.9235
540/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy: 0.9233

630/750 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy: 0.9222
716/750 [=====>..] - ETA: 0s - loss: 0.3632 - accuracy: 0.9211
750/750 [=====] - 1s 693us/step - loss: 0.3632 - accuracy: 0.9211 - val_loss: 0.4814 - val_accuracy: 0.8829
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.5270 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.3536 - accuracy: 0.9261
178/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9235
268/750 [=====>.....] - ETA: 0s - loss: 0.3575 - accuracy: 0.9214
360/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9214
448/750 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy: 0.9210
535/750 [=====>.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9199
627/750 [=====>.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9202
707/750 [=====>..] - ETA: 0s - loss: 0.3608 - accuracy: 0.9210
750/750 [=====] - 1s 698us/step - loss: 0.3621 - accuracy: 0.9207 - val_loss: 0.4694 - val_accuracy: 0.8858
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.4249 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3585 - accuracy: 0.9185
181/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.9187
268/750 [=====>.....] - ETA: 0s - loss: 0.3655 - accuracy: 0.9187
358/750 [=====>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9193
447/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy: 0.9205
535/750 [=====>.....] - ETA: 0s - loss: 0.3606 - accuracy: 0.9205
626/750 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy: 0.9201
715/750 [=====>..] - ETA: 0s - loss: 0.3618 - accuracy: 0.9200
750/750 [=====] - 1s 696us/step - loss: 0.3616 - accuracy: 0.9201 - val_loss: 0.4654 - val_accuracy: 0.8869

Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.2825 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3638 - accuracy: 0.9206
177/750 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9187
269/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy: 0.9184
357/750 [======>.....] - ETA: 0s - loss: 0.3632 - accuracy: 0.9207
448/750 [======>.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9211
540/750 [======>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9220
621/750 [======>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9227
712/750 [======>..] - ETA: 0s - loss: 0.3597 - accuracy: 0.9214
750/750 [=====] - 1s 693us/step - loss: 0.3601 - accuracy: 0.9211 - val_loss: 0.4912 - val_accuracy: 0.8783
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.2974 - accuracy: 0.9531
92/750 [==>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9293
178/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy: 0.9244
269/750 [=====>.....] - ETA: 0s - loss: 0.3581 - accuracy: 0.9223
360/750 [======>.....] - ETA: 0s - loss: 0.3600 - accuracy: 0.9216
452/750 [======>.....] - ETA: 0s - loss: 0.3589 - accuracy: 0.9219
542/750 [======>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9226
631/750 [======>.....] - ETA: 0s - loss: 0.3607 - accuracy: 0.9210
722/750 [======>..] - ETA: 0s - loss: 0.3601 - accuracy: 0.9209
750/750 [=====] - 1s 686us/step - loss: 0.3608 - accuracy: 0.9207 - val_loss: 0.4837 - val_accuracy: 0.8806
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.4122 - accuracy: 0.9219
93/750 [==>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9220

186/750 [=====>.....] - ETA: 0s - loss: 0.3590 - accuracy: 0.9204
273/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy: 0.9205
364/750 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy: 0.9211
454/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9216
541/750 [=====>.....] - ETA: 0s - loss: 0.3578 - accuracy: 0.9219
629/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9208
714/750 [=====>..] - ETA: 0s - loss: 0.3606 - accuracy: 0.9208
750/750 [=====>.....] - 1s 692us/step - loss: 0.3615 - accuracy: 0.9206 - val_loss: 0.4771 - val_accuracy: 0.8852
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy: 0.9231
179/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9238
268/750 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy: 0.9223
359/750 [=====>.....] - ETA: 0s - loss: 0.3595 - accuracy: 0.9224
449/750 [=====>.....] - ETA: 0s - loss: 0.3607 - accuracy: 0.9222
535/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy: 0.9221
625/750 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy: 0.9224
715/750 [=====>..] - ETA: 0s - loss: 0.3618 - accuracy: 0.9216
750/750 [=====>.....] - 1s 692us/step - loss: 0.3600 - accuracy: 0.9224 - val_loss: 0.5000 - val_accuracy: 0.8750
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.5349 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.3605 - accuracy: 0.9226
178/750 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy: 0.9246
270/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9237
357/750 [=====>.....] - ETA: 0s - loss: 0.3581 - accuracy: 0.9209

449/750 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy: 0.9204
534/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy: 0.9199
619/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9209
690/750 [=====>...] - ETA: 0s - loss: 0.3600 - accuracy: 0.9211
750/750 [=====] - 1s 713us/step - loss: 0.3607 - accuracy: 0.9213 - val_loss: 0.4738 - val_accuracy: 0.8864
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.3545 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9263
172/750 [====>.....] - ETA: 0s - loss: 0.3535 - accuracy: 0.9236
257/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9253
344/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9240
430/750 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy: 0.9233
521/750 [=====>.....] - ETA: 0s - loss: 0.3559 - accuracy: 0.9237
606/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9230
696/750 [=====>...] - ETA: 0s - loss: 0.3593 - accuracy: 0.9224
750/750 [=====] - 1s 712us/step - loss: 0.3595 - accuracy: 0.9224 - val_loss: 0.4749 - val_accuracy: 0.8852
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.5100 - accuracy: 0.8438
86/750 [==>.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9204
172/750 [====>.....] - ETA: 0s - loss: 0.3539 - accuracy: 0.9254
258/750 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy: 0.9224
344/750 [=====>.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9212
428/750 [=====>.....] - ETA: 0s - loss: 0.3592 - accuracy: 0.9231
519/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy: 0.9226
606/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy: 0.9228

697/750 [=====>...] - ETA: 0s - loss: 0.3600 - accuracy: 0.9221
750/750 [=====] - 1s 706us/step - loss: 0.3602 - accuracy: 0.9221 - val_loss: 0.4941 - val_accuracy: 0.8756
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.3917 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9163
178/750 [=====>.....] - ETA: 0s - loss: 0.3711 - accuracy: 0.9191
262/750 [=====>.....] - ETA: 0s - loss: 0.3682 - accuracy: 0.9196
348/750 [======>.....] - ETA: 0s - loss: 0.3643 - accuracy: 0.9208
432/750 [======>.....] - ETA: 0s - loss: 0.3629 - accuracy: 0.9213
516/750 [======>.....] - ETA: 0s - loss: 0.3607 - accuracy: 0.9215
604/750 [======>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9214
689/750 [======>...] - ETA: 0s - loss: 0.3600 - accuracy: 0.9213
750/750 [=====] - 1s 714us/step - loss: 0.3601 - accuracy: 0.9210 - val_loss: 0.4891 - val_accuracy: 0.8775
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.3805 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3652 - accuracy: 0.9226
176/750 [=====>.....] - ETA: 0s - loss: 0.3667 - accuracy: 0.9218
254/750 [======>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9242
347/750 [======>.....] - ETA: 0s - loss: 0.3567 - accuracy: 0.9250
436/750 [======>.....] - ETA: 0s - loss: 0.3560 - accuracy: 0.9250
527/750 [======>.....] - ETA: 0s - loss: 0.3585 - accuracy: 0.9241
614/750 [======>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9229
701/750 [======>..] - ETA: 0s - loss: 0.3597 - accuracy: 0.9231
750/750 [=====] - 1s 700us/step - loss: 0.3593 - accuracy: 0.9235 - val_loss: 0.4713 - val_accuracy: 0.8862
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.3716 - accuracy: 0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.3737 - accuracy: 0.9172
180/750 [=====>.....] - ETA: 0s - loss: 0.3720 - accuracy: 0.9177
269/750 [=====>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.9206
357/750 [======>.....] - ETA: 0s - loss: 0.3675 - accuracy: 0.9194
443/750 [======>.....] - ETA: 0s - loss: 0.3655 - accuracy: 0.9199
531/750 [======>.....] - ETA: 0s - loss: 0.3621 - accuracy: 0.9214
623/750 [======>.....] - ETA: 0s - loss: 0.3617 - accuracy: 0.9219
711/750 [======>..] - ETA: 0s - loss: 0.3609 - accuracy: 0.9220
750/750 [=====] - 1s 692us/step - loss: 0.3605 - accuracy: 0.9221 - val_loss: 0.4701 - val_accuracy: 0.8857
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.3948 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3549 - accuracy: 0.9252
172/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9277
266/750 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy: 0.9258
354/750 [======>.....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9243
439/750 [======>.....] - ETA: 0s - loss: 0.3568 - accuracy: 0.9233
525/750 [======>.....] - ETA: 0s - loss: 0.3563 - accuracy: 0.9241
616/750 [======>.....] - ETA: 0s - loss: 0.3578 - accuracy: 0.9233
709/750 [======>..] - ETA: 0s - loss: 0.3569 - accuracy: 0.9236
750/750 [=====] - 1s 702us/step - loss: 0.3575 - accuracy: 0.9231 - val_loss: 0.4758 - val_accuracy: 0.8824
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.2926 - accuracy: 0.9844
90/750 [==>.....] - ETA: 0s - loss: 0.3536 - accuracy: 0.9292
179/750 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy: 0.9241

268/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy: 0.9255
357/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9244
446/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy: 0.9235
537/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9227
624/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy: 0.9227
713/750 [=====>..] - ETA: 0s - loss: 0.3589 - accuracy: 0.9230
750/750 [=====] - 1s 688us/step - loss: 0.3580 - accuracy: 0.9233 - val_loss: 0.4720 - val_accuracy: 0.8838
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.3021 - accuracy: 0.9688
80/750 [==>.....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9322
170/750 [====>.....] - ETA: 0s - loss: 0.3485 - accuracy: 0.9276
263/750 [=====>.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9224
348/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9241
438/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy: 0.9231
527/750 [=====>.....] - ETA: 0s - loss: 0.3542 - accuracy: 0.9238
618/750 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy: 0.9244
705/750 [=====>..] - ETA: 0s - loss: 0.3553 - accuracy: 0.9236
750/750 [=====] - 1s 701us/step - loss: 0.3569 - accuracy: 0.9230 - val_loss: 0.5077 - val_accuracy: 0.8737
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9233
179/750 [====>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9248
263/750 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy: 0.9248
347/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9234
436/750 [=====>.....] - ETA: 0s - loss: 0.3581 - accuracy: 0.9226

525/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy: 0.9228
615/750 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy: 0.9223
706/750 [=====>..] - ETA: 0s - loss: 0.3589 - accuracy: 0.9225
750/750 [=====] - 1s 706us/step - loss: 0.3599 - accuracy: 0.9220 - val_loss: 0.4858 - val_accuracy: 0.8819
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.3556 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3550 - accuracy: 0.9270
180/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.9243
268/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9239
355/750 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9233
444/750 [=====>.....] - ETA: 0s - loss: 0.3576 - accuracy: 0.9230
523/750 [=====>.....] - ETA: 0s - loss: 0.3582 - accuracy: 0.9229
612/750 [=====>.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.9229
704/750 [=====>..] - ETA: 0s - loss: 0.3577 - accuracy: 0.9232
750/750 [=====] - 1s 701us/step - loss: 0.3566 - accuracy: 0.9234 - val_loss: 0.4831 - val_accuracy: 0.8807
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.2998 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3489 - accuracy: 0.9318
180/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy: 0.9275
263/750 [=====>.....] - ETA: 0s - loss: 0.3555 - accuracy: 0.9247
353/750 [=====>.....] - ETA: 0s - loss: 0.3550 - accuracy: 0.9256
444/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9249
535/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9243
619/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy: 0.9244
700/750 [=====>..] - ETA: 0s - loss: 0.3572 - accuracy: 0.9246

750/750 [=====] - 1s 712us/step - loss: 0.3567 - accuracy: 0.9244 - val_loss: 0.4746 - val_accuracy: 0.8846
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3491 - accuracy: 0.9261
174/750 [=====>.....] - ETA: 0s - loss: 0.3556 - accuracy: 0.9223
264/750 [=====>.....] - ETA: 0s - loss: 0.3578 - accuracy: 0.9222
352/750 [======>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9232
443/750 [======>.....] - ETA: 0s - loss: 0.3567 - accuracy: 0.9233
534/750 [======>.....] - ETA: 0s - loss: 0.3561 - accuracy: 0.9240
623/750 [======>.....] - ETA: 0s - loss: 0.3558 - accuracy: 0.9241
713/750 [======>..] - ETA: 0s - loss: 0.3553 - accuracy: 0.9244
750/750 [=====] - 1s 694us/step - loss: 0.3559 - accuracy: 0.9244 - val_loss: 0.4874 - val_accuracy: 0.8774
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9375
83/750 [==>.....] - ETA: 0s - loss: 0.3645 - accuracy: 0.9215
166/750 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9256
247/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9258
333/750 [======>.....] - ETA: 0s - loss: 0.3535 - accuracy: 0.9247
420/750 [======>.....] - ETA: 0s - loss: 0.3551 - accuracy: 0.9241
509/750 [======>.....] - ETA: 0s - loss: 0.3553 - accuracy: 0.9237
598/750 [======>.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.9229
674/750 [======>....] - ETA: 0s - loss: 0.3562 - accuracy: 0.9238
750/750 [=====] - 1s 734us/step - loss: 0.3566 - accuracy: 0.9235 - val_loss: 0.4666 - val_accuracy: 0.8869
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9219

83/750 [==>.....] - ETA: 0s - loss: 0.3567 - accuracy: 0.9202
168/750 [=====>.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9209
254/750 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy: 0.9225
340/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9219
424/750 [=====>.....] - ETA: 0s - loss: 0.3566 - accuracy: 0.9227
508/750 [=====>.....] - ETA: 0s - loss: 0.3580 - accuracy: 0.9230
591/750 [=====>.....] - ETA: 0s - loss: 0.3563 - accuracy: 0.9234
674/750 [=====>....] - ETA: 0s - loss: 0.3564 - accuracy: 0.9234
750/750 [=====>.....] - 1s 737us/step - loss: 0.3559 - accuracy: 0.9236 - val_loss: 0.4738 - val_accuracy: 0.8845
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.2649 - accuracy: 0.9844
85/750 [==>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9230
166/750 [=====>.....] - ETA: 0s - loss: 0.3551 - accuracy: 0.9230
248/750 [=====>.....] - ETA: 0s - loss: 0.3559 - accuracy: 0.9237
330/750 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy: 0.9236
414/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9229
500/750 [=====>.....] - ETA: 0s - loss: 0.3573 - accuracy: 0.9226
589/750 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy: 0.9238
679/750 [=====>....] - ETA: 0s - loss: 0.3547 - accuracy: 0.9239
750/750 [=====>.....] - 1s 721us/step - loss: 0.3563 - accuracy: 0.9234 - val_loss: 0.4836 - val_accuracy: 0.8823
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.4324 - accuracy: 0.9219
92/750 [==>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9276
180/750 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy: 0.9277
272/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy: 0.9254

363/750 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy: 0.9243
452/750 [=====>.....] - ETA: 0s - loss: 0.3542 - accuracy: 0.9243
542/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9229
631/750 [=====>.....] - ETA: 0s - loss: 0.3572 - accuracy: 0.9232
720/750 [=====>..] - ETA: 0s - loss: 0.3578 - accuracy: 0.9231
750/750 [=====] - 1s 693us/step - loss: 0.3577 - accuracy: 0.9233 - val_loss: 0.4693 - val_accuracy: 0.8870
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.2711 - accuracy: 0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.3513 - accuracy: 0.9277
183/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9278
270/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy: 0.9274
359/750 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy: 0.9269
437/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9274
524/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9264
613/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9249
706/750 [=====>..] - ETA: 0s - loss: 0.3551 - accuracy: 0.9248
750/750 [=====] - 1s 701us/step - loss: 0.3553 - accuracy: 0.9248 - val_loss: 0.4973 - val_accuracy: 0.8748
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.3056 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9251
178/750 [=====>.....] - ETA: 0s - loss: 0.3563 - accuracy: 0.9233
268/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9238
355/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy: 0.9232
443/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9233
534/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy: 0.9236

624/750 [=====>.....] - ETA: 0s - loss: 0.3577 - accuracy:
0.9234
714/750 [=====>..] - ETA: 0s - loss: 0.3574 - accuracy:
0.9232
750/750 [=====] - 1s 690us/step - loss: 0.3562 - accuracy:
0.9238 - val_loss: 0.4997 - val_accuracy: 0.8792
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.3792 - accuracy:
0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3552 - accuracy:
0.9208
178/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
0.9222
269/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9246
353/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9236
446/750 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9249
540/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
0.9241
621/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
0.9247
703/750 [=====>..] - ETA: 0s - loss: 0.3550 - accuracy:
0.9245
750/750 [=====] - 1s 705us/step - loss: 0.3547 - accuracy:
0.9248 - val_loss: 0.4978 - val_accuracy: 0.8738
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.5515 - accuracy:
0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.3617 - accuracy:
0.9248
178/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9249
271/750 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy:
0.9254
358/750 [=====>.....] - ETA: 0s - loss: 0.3539 - accuracy:
0.9258
446/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9254
537/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy:
0.9249
627/750 [=====>....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9251
717/750 [=====>..] - ETA: 0s - loss: 0.3546 - accuracy:
0.9241
750/750 [=====] - 1s 692us/step - loss: 0.3550 - accuracy:
0.9241 - val_loss: 0.4933 - val_accuracy: 0.8734

Epoch 155/220

```
1/750 [.....] - ETA: 0s - loss: 0.3079 - accuracy: 0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9220
178/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy: 0.9256
264/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9261
355/750 [======>.....] - ETA: 0s - loss: 0.3494 - accuracy: 0.9265
444/750 [======>.....] - ETA: 0s - loss: 0.3512 - accuracy: 0.9267
531/750 [======>.....] - ETA: 0s - loss: 0.3511 - accuracy: 0.9255
617/750 [======>.....] - ETA: 0s - loss: 0.3527 - accuracy: 0.9253
701/750 [======>..] - ETA: 0s - loss: 0.3550 - accuracy: 0.9244
750/750 [=====] - 1s 703us/step - loss: 0.3557 - accuracy: 0.9242 - val_loss: 0.4898 - val_accuracy: 0.8811
Epoch 156/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3489 - accuracy: 0.9248
179/750 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9247
267/750 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy: 0.9233
358/750 [======>.....] - ETA: 0s - loss: 0.3552 - accuracy: 0.9245
445/750 [======>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9255
534/750 [======>.....] - ETA: 0s - loss: 0.3545 - accuracy: 0.9245
622/750 [======>.....] - ETA: 0s - loss: 0.3549 - accuracy: 0.9241
710/750 [======>..] - ETA: 0s - loss: 0.3541 - accuracy: 0.9244
750/750 [=====] - 1s 692us/step - loss: 0.3546 - accuracy: 0.9242 - val_loss: 0.4709 - val_accuracy: 0.8857
Epoch 157/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3891 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9288
```

174/750 [====>.....] - ETA: 0s - loss: 0.3466 - accuracy: 0.9275
263/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy: 0.9262
355/750 [======>.....] - ETA: 0s - loss: 0.3509 - accuracy: 0.9276
447/750 [======>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.9269
535/750 [======>.....] - ETA: 0s - loss: 0.3519 - accuracy: 0.9265
620/750 [======>.....] - ETA: 0s - loss: 0.3534 - accuracy: 0.9256
711/750 [======>..] - ETA: 0s - loss: 0.3535 - accuracy: 0.9257
750/750 [=====] - 1s 693us/step - loss: 0.3537 - accuracy: 0.9255 - val_loss: 0.4801 - val_accuracy: 0.8829
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.2676 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9267
175/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9277
263/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy: 0.9271
349/750 [======>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.9253
439/750 [======>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9260
528/750 [======>.....] - ETA: 0s - loss: 0.3532 - accuracy: 0.9247
617/750 [======>.....] - ETA: 0s - loss: 0.3537 - accuracy: 0.9244
708/750 [======>..] - ETA: 0s - loss: 0.3548 - accuracy: 0.9242
750/750 [=====] - 1s 693us/step - loss: 0.3528 - accuracy: 0.9247 - val_loss: 0.5055 - val_accuracy: 0.8745
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.4013 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9295
168/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9308
259/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9288
345/750 [======>.....] - ETA: 0s - loss: 0.3473 - accuracy: 0.9274

437/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy: 0.9277
523/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9266
613/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy: 0.9263
699/750 [=====>...] - ETA: 0s - loss: 0.3509 - accuracy: 0.9261
750/750 [=====] - 1s 705us/step - loss: 0.3520 - accuracy: 0.9256 - val_loss: 0.4821 - val_accuracy: 0.8842
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.3872 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.3377 - accuracy: 0.9322
178/750 [=====>.....] - ETA: 0s - loss: 0.3483 - accuracy: 0.9280
268/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9278
355/750 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy: 0.9277
444/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9272
532/750 [=====>.....] - ETA: 0s - loss: 0.3502 - accuracy: 0.9278
620/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9267
709/750 [=====>..] - ETA: 0s - loss: 0.3531 - accuracy: 0.9262
750/750 [=====] - 1s 698us/step - loss: 0.3533 - accuracy: 0.9261 - val_loss: 0.4780 - val_accuracy: 0.8860
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.4899 - accuracy: 0.8125
86/750 [==>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9224
175/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy: 0.9256
266/750 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy: 0.9252
357/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy: 0.9252
445/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy: 0.9251
536/750 [=====>.....] - ETA: 0s - loss: 0.3556 - accuracy: 0.9241
622/750 [=====>.....] - ETA: 0s - loss: 0.3539 - accuracy: 0.9246

715/750 [=====>..] - ETA: 0s - loss: 0.3543 - accuracy:
0.9242
750/750 [=====] - 1s 690us/step - loss: 0.3542 - accuracy:
0.9242 - val_loss: 0.4786 - val_accuracy: 0.8835
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.2668 - accuracy:
0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9292
178/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9302
270/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9299
361/750 [======>.....] - ETA: 0s - loss: 0.3484 - accuracy:
0.9279
451/750 [======>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9280
541/750 [======>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9268
625/750 [======>.....] - ETA: 0s - loss: 0.3505 - accuracy:
0.9259
710/750 [======>..] - ETA: 0s - loss: 0.3514 - accuracy:
0.9258
750/750 [=====] - 1s 713us/step - loss: 0.3522 - accuracy:
0.9255 - val_loss: 0.4774 - val_accuracy: 0.8848
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.2924 - accuracy:
0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9301
171/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9293
236/750 [=====>.....] - ETA: 0s - loss: 0.3483 - accuracy:
0.9294
309/750 [======>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9285
394/750 [======>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9267
470/750 [======>.....] - ETA: 0s - loss: 0.3531 - accuracy:
0.9267
552/750 [======>.....] - ETA: 0s - loss: 0.3535 - accuracy:
0.9261
640/750 [======>.....] - ETA: 0s - loss: 0.3515 - accuracy:
0.9267
727/750 [======>.] - ETA: 0s - loss: 0.3508 - accuracy:
0.9268
750/750 [=====] - 1s 760us/step - loss: 0.3516 - accuracy:
0.9264 - val_loss: 0.4851 - val_accuracy: 0.8827

Epoch 164/220

```
1/750 [.....] - ETA: 0s - loss: 0.3431 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9330
167/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9304
246/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9289
336/750 [======>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9255
424/750 [======>.....] - ETA: 0s - loss: 0.3465 - accuracy: 0.9272
508/750 [======>.....] - ETA: 0s - loss: 0.3516 - accuracy: 0.9250
593/750 [======>.....] - ETA: 0s - loss: 0.3530 - accuracy: 0.9242
670/750 [======>....] - ETA: 0s - loss: 0.3537 - accuracy: 0.9239
750/750 [=====] - 1s 733us/step - loss: 0.3536 - accuracy: 0.9242 - val_loss: 0.4815 - val_accuracy: 0.8827
Epoch 165/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3329 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3475 - accuracy: 0.9276
177/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9273
266/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy: 0.9275
359/750 [======>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9272
445/750 [======>.....] - ETA: 0s - loss: 0.3510 - accuracy: 0.9278
530/750 [======>.....] - ETA: 0s - loss: 0.3502 - accuracy: 0.9279
611/750 [======>.....] - ETA: 0s - loss: 0.3517 - accuracy: 0.9269
698/750 [======>...] - ETA: 0s - loss: 0.3512 - accuracy: 0.9271
750/750 [=====] - 1s 710us/step - loss: 0.3505 - accuracy: 0.9270 - val_loss: 0.5157 - val_accuracy: 0.8758
Epoch 166/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5518 - accuracy: 0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9265
```

174/750 [====>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9250
263/750 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy: 0.9248
349/750 [=====>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9247
438/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9257
521/750 [=====>.....] - ETA: 0s - loss: 0.3536 - accuracy: 0.9255
607/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy: 0.9261
691/750 [=====>...] - ETA: 0s - loss: 0.3516 - accuracy: 0.9265
750/750 [=====>] - 1s 705us/step - loss: 0.3510 - accuracy: 0.9264 - val_loss: 0.4843 - val_accuracy: 0.8815
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.3717 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9304
176/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9295
265/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9292
356/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9298
442/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9279
531/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9265
619/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy: 0.9258
705/750 [=====>..] - ETA: 0s - loss: 0.3528 - accuracy: 0.9259
750/750 [=====>] - 1s 701us/step - loss: 0.3516 - accuracy: 0.9262 - val_loss: 0.4938 - val_accuracy: 0.8815
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.4319 - accuracy: 0.8750
84/750 [==>.....] - ETA: 0s - loss: 0.3420 - accuracy: 0.9299
173/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9286
265/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9275
352/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9280

441/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9267
529/750 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy: 0.9266
603/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9262
669/750 [=====>....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9256
750/750 [=====] - 1s 733us/step - loss: 0.3532 - accuracy: 0.9249 - val_loss: 0.4808 - val_accuracy: 0.8840
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.3702 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.3348 - accuracy: 0.9327
172/750 [====>.....] - ETA: 0s - loss: 0.3387 - accuracy: 0.9305
263/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy: 0.9275
349/750 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy: 0.9261
437/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy: 0.9257
528/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9261
615/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy: 0.9264
706/750 [=====>..] - ETA: 0s - loss: 0.3514 - accuracy: 0.9262
750/750 [=====] - 1s 696us/step - loss: 0.3512 - accuracy: 0.9263 - val_loss: 0.4840 - val_accuracy: 0.8792
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.2742 - accuracy: 0.9688
93/750 [==>.....] - ETA: 0s - loss: 0.3428 - accuracy: 0.9281
179/750 [====>.....] - ETA: 0s - loss: 0.3496 - accuracy: 0.9278
267/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy: 0.9281
356/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9269
440/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9270
529/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9269
618/750 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy: 0.9271

702/750 [=====>..] - ETA: 0s - loss: 0.3512 - accuracy:
0.9270
750/750 [=====] - 1s 704us/step - loss: 0.3518 - accuracy:
0.9267 - val_loss: 0.4827 - val_accuracy: 0.8840
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.2694 - accuracy:
0.9688
93/750 [==>.....] - ETA: 0s - loss: 0.3506 - accuracy:
0.9283
182/750 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9275
274/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
0.9281
364/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9276
451/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
0.9277
539/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy:
0.9281
632/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9285
719/750 [=====>..] - ETA: 0s - loss: 0.3511 - accuracy:
0.9275
750/750 [=====] - 1s 686us/step - loss: 0.3511 - accuracy:
0.9274 - val_loss: 0.5214 - val_accuracy: 0.8719
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.4349 - accuracy:
0.8125
92/750 [==>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9260
185/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9286
270/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9282
362/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy:
0.9278
452/750 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy:
0.9279
542/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy:
0.9282
633/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9277
724/750 [=====>..] - ETA: 0s - loss: 0.3503 - accuracy:
0.9272
750/750 [=====] - 1s 689us/step - loss: 0.3498 - accuracy:
0.9274 - val_loss: 0.4985 - val_accuracy: 0.8758
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.3012 - accuracy: 0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9291
180/750 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy: 0.9260
271/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9271
359/750 [======>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9271
450/750 [======>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9277
541/750 [======>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9273
631/750 [======>.....] - ETA: 0s - loss: 0.3508 - accuracy: 0.9270
720/750 [======>..] - ETA: 0s - loss: 0.3519 - accuracy: 0.9263
750/750 [=====] - 1s 688us/step - loss: 0.3513 - accuracy: 0.9265 - val_loss: 0.4930 - val_accuracy: 0.8819
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.8906
93/750 [==>.....] - ETA: 0s - loss: 0.3372 - accuracy: 0.9343
182/750 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy: 0.9281
273/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy: 0.9265
363/750 [======>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.9261
448/750 [======>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9256
542/750 [======>.....] - ETA: 0s - loss: 0.3519 - accuracy: 0.9262
625/750 [======>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9269
713/750 [======>..] - ETA: 0s - loss: 0.3496 - accuracy: 0.9274
750/750 [=====] - 1s 697us/step - loss: 0.3500 - accuracy: 0.9271 - val_loss: 0.4892 - val_accuracy: 0.8802
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.2607 - accuracy: 0.9688
92/750 [==>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9241
180/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy: 0.9260

269/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy: 0.9274
362/750 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy: 0.9290
450/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9288
540/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9290
630/750 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy: 0.9281
720/750 [=====>..] - ETA: 0s - loss: 0.3493 - accuracy: 0.9280
750/750 [=====] - 1s 686us/step - loss: 0.3493 - accuracy: 0.9282 - val_loss: 0.4818 - val_accuracy: 0.8848
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.4024 - accuracy: 0.9219
92/750 [==>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9327
183/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy: 0.9299
273/750 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy: 0.9289
363/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy: 0.9300
451/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9292
542/750 [=====>.....] - ETA: 0s - loss: 0.3502 - accuracy: 0.9285
629/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy: 0.9289
715/750 [=====>..] - ETA: 0s - loss: 0.3499 - accuracy: 0.9283
750/750 [=====] - 1s 686us/step - loss: 0.3497 - accuracy: 0.9282 - val_loss: 0.4760 - val_accuracy: 0.8860
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.3806 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.3535 - accuracy: 0.9261
172/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy: 0.9270
254/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9254
338/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy: 0.9267
428/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy: 0.9279

514/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9266
600/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9268
690/750 [=====>...] - ETA: 0s - loss: 0.3505 - accuracy: 0.9267
750/750 [=====] - 1s 714us/step - loss: 0.3500 - accuracy: 0.9270 - val_loss: 0.4923 - val_accuracy: 0.8781
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.3615 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9283
176/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9260
263/750 [=====>.....] - ETA: 0s - loss: 0.3519 - accuracy: 0.9273
349/750 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9289
439/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9278
526/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9275
611/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9279
698/750 [=====>...] - ETA: 0s - loss: 0.3499 - accuracy: 0.9272
750/750 [=====] - 1s 706us/step - loss: 0.3495 - accuracy: 0.9271 - val_loss: 0.4805 - val_accuracy: 0.8838
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.6662 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.3649 - accuracy: 0.9226
175/750 [=====>.....] - ETA: 0s - loss: 0.3530 - accuracy: 0.9267
264/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.9263
336/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy: 0.9277
426/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy: 0.9282
517/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy: 0.9271
605/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9276
698/750 [=====>...] - ETA: 0s - loss: 0.3493 - accuracy: 0.9278

750/750 [=====] - 1s 710us/step - loss: 0.3487 - accuracy: 0.9282 - val_loss: 0.4769 - val_accuracy: 0.8844
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.3555 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9284
179/750 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy: 0.9279
271/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.9295
358/750 [======>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9298
447/750 [======>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9287
536/750 [======>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9283
625/750 [======>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9284
714/750 [======>..] - ETA: 0s - loss: 0.3473 - accuracy: 0.9280
750/750 [=====] - 1s 693us/step - loss: 0.3485 - accuracy: 0.9275 - val_loss: 0.5011 - val_accuracy: 0.8806
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.2741 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.3401 - accuracy: 0.9302
179/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy: 0.9275
267/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy: 0.9288
357/750 [======>.....] - ETA: 0s - loss: 0.3465 - accuracy: 0.9283
445/750 [======>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9287
534/750 [======>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9280
625/750 [======>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9281
715/750 [======>..] - ETA: 0s - loss: 0.3486 - accuracy: 0.9279
750/750 [=====] - 1s 694us/step - loss: 0.3493 - accuracy: 0.9276 - val_loss: 0.4857 - val_accuracy: 0.8842
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.3029 - accuracy: 0.9531

91/750 [==>.....] - ETA: 0s - loss: 0.3502 - accuracy: 0.9257
182/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9264
268/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy: 0.9310
358/750 [=====>.....] - ETA: 0s - loss: 0.3431 - accuracy: 0.9305
445/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9300
527/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy: 0.9289
610/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9293
701/750 [=====>..] - ETA: 0s - loss: 0.3460 - accuracy: 0.9298
750/750 [=====>] - 1s 702us/step - loss: 0.3483 - accuracy: 0.9285 - val_loss: 0.4928 - val_accuracy: 0.8818
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.3594 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3471 - accuracy: 0.9284
178/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9281
265/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9294
355/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9290
445/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9287
533/750 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9288
622/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy: 0.9283
714/750 [=====>..] - ETA: 0s - loss: 0.3488 - accuracy: 0.9278
750/750 [=====>] - 1s 693us/step - loss: 0.3487 - accuracy: 0.9278 - val_loss: 0.4774 - val_accuracy: 0.8884
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9312
178/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9312
269/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy: 0.9297

341/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9288
430/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9289
520/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9283
610/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9286
698/750 [=====>...] - ETA: 0s - loss: 0.3480 - accuracy: 0.9284
750/750 [=====] - 1s 705us/step - loss: 0.3492 - accuracy: 0.9281 - val_loss: 0.4916 - val_accuracy: 0.8810
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.3922 - accuracy: 0.9062
92/750 [==>.....] - ETA: 0s - loss: 0.3291 - accuracy: 0.9394
180/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9363
270/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9334
358/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9333
448/750 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy: 0.9333
538/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9323
629/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9309
718/750 [=====>..] - ETA: 0s - loss: 0.3455 - accuracy: 0.9300
750/750 [=====] - 1s 692us/step - loss: 0.3464 - accuracy: 0.9297 - val_loss: 0.4821 - val_accuracy: 0.8824
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.2521 - accuracy: 0.9844
91/750 [==>.....] - ETA: 0s - loss: 0.3498 - accuracy: 0.9282
181/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9301
269/750 [=====>.....] - ETA: 0s - loss: 0.3502 - accuracy: 0.9259
357/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy: 0.9264
447/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy: 0.9261
538/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy: 0.9279

628/750 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9284
718/750 [=====>..] - ETA: 0s - loss: 0.3496 - accuracy: 0.9282
750/750 [=====] - 1s 690us/step - loss: 0.3492 - accuracy: 0.9282 - val_loss: 0.5045 - val_accuracy: 0.8762
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.2842 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy: 0.9335
180/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9322
269/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9308
356/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9295
449/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9296
533/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy: 0.9296
624/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9297
715/750 [=====>..] - ETA: 0s - loss: 0.3471 - accuracy: 0.9288
750/750 [=====] - 1s 694us/step - loss: 0.3468 - accuracy: 0.9291 - val_loss: 0.5013 - val_accuracy: 0.8781
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.2905 - accuracy: 0.9375
85/750 [==>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9292
174/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9301
255/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9294
345/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9301
437/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9295
526/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9299
614/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9293
702/750 [=====>..] - ETA: 0s - loss: 0.3473 - accuracy: 0.9287
750/750 [=====] - 1s 702us/step - loss: 0.3483 - accuracy: 0.9282 - val_loss: 0.4772 - val_accuracy: 0.8872

Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.3232 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9312
179/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9323
267/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy: 0.9305
356/750 [======>.....] - ETA: 0s - loss: 0.3466 - accuracy: 0.9298
444/750 [======>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9285
535/750 [======>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9289
625/750 [======>.....] - ETA: 0s - loss: 0.3483 - accuracy: 0.9283
714/750 [======>..] - ETA: 0s - loss: 0.3481 - accuracy: 0.9284
750/750 [=====] - 1s 693us/step - loss: 0.3477 - accuracy: 0.9283 - val_loss: 0.4768 - val_accuracy: 0.8884
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.3197 - accuracy: 0.9375
93/750 [==>.....] - ETA: 0s - loss: 0.3418 - accuracy: 0.9301
178/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9300
269/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9306
358/750 [======>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9289
445/750 [======>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9298
535/750 [======>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9288
624/750 [======>.....] - ETA: 0s - loss: 0.3465 - accuracy: 0.9289
713/750 [======>..] - ETA: 0s - loss: 0.3483 - accuracy: 0.9286
750/750 [=====] - 1s 694us/step - loss: 0.3492 - accuracy: 0.9279 - val_loss: 0.4863 - val_accuracy: 0.8848
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.3078 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9295

181/750 [=====>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9301
269/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9298
358/750 [=====>.....] - ETA: 0s - loss: 0.3473 - accuracy: 0.9293
449/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.9297
537/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9293
627/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy: 0.9292
717/750 [=====>..] - ETA: 0s - loss: 0.3459 - accuracy: 0.9301
750/750 [=====>] - 1s 693us/step - loss: 0.3466 - accuracy: 0.9298 - val_loss: 0.4860 - val_accuracy: 0.8861
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.3808 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3312 - accuracy: 0.9350
176/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy: 0.9316
265/750 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy: 0.9287
352/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9276
445/750 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9284
534/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy: 0.9283
622/750 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy: 0.9286
714/750 [=====>..] - ETA: 0s - loss: 0.3469 - accuracy: 0.9290
750/750 [=====>] - 1s 696us/step - loss: 0.3463 - accuracy: 0.9292 - val_loss: 0.4983 - val_accuracy: 0.8773
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9293
180/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9280
272/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9296
361/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9297

450/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9301
539/750 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy: 0.9296
631/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9297
719/750 [=====>..] - ETA: 0s - loss: 0.3462 - accuracy: 0.9296
750/750 [=====] - 1s 689us/step - loss: 0.3468 - accuracy: 0.9293 - val_loss: 0.5218 - val_accuracy: 0.8718
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3519 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3438 - accuracy: 0.9299
163/750 [====>.....] - ETA: 0s - loss: 0.3469 - accuracy: 0.9273
250/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9271
341/750 [=====>.....] - ETA: 0s - loss: 0.3418 - accuracy: 0.9293
431/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy: 0.9286
520/750 [=====>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9294
610/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9290
698/750 [=====>...] - ETA: 0s - loss: 0.3460 - accuracy: 0.9286
750/750 [=====] - 1s 704us/step - loss: 0.3462 - accuracy: 0.9287 - val_loss: 0.4784 - val_accuracy: 0.8875
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.3245 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3401 - accuracy: 0.9345
181/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9302
270/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9311
362/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9309
448/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9299
539/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9303
629/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9300

716/750 [=====>..] - ETA: 0s - loss: 0.3458 - accuracy:
0.9300
750/750 [=====] - 1s 692us/step - loss: 0.3462 - accuracy:
0.9294 - val_loss: 0.4905 - val_accuracy: 0.8827
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.2518 - accuracy:
0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9335
178/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9324
267/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9305
357/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9284
444/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9291
533/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9283
624/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9286
712/750 [=====>..] - ETA: 0s - loss: 0.3459 - accuracy:
0.9291
750/750 [=====] - 1s 697us/step - loss: 0.3459 - accuracy:
0.9291 - val_loss: 0.5549 - val_accuracy: 0.8600
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.3081 - accuracy:
0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9273
180/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9270
269/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9305
353/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9319
444/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9310
529/750 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9308
616/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9304
708/750 [=====>..] - ETA: 0s - loss: 0.3458 - accuracy:
0.9300
750/750 [=====] - 1s 701us/step - loss: 0.3465 - accuracy:
0.9301 - val_loss: 0.4845 - val_accuracy: 0.8844
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3550 - accuracy: 0.9262
177/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy: 0.9269
269/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9276
357/750 [======>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9284
446/750 [======>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9277
528/750 [======>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9284
616/750 [======>.....] - ETA: 0s - loss: 0.3469 - accuracy: 0.9285
706/750 [======>..] - ETA: 0s - loss: 0.3463 - accuracy: 0.9288
750/750 [=====] - 1s 698us/step - loss: 0.3473 - accuracy: 0.9286 - val_loss: 0.4866 - val_accuracy: 0.8852
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.3120 - accuracy: 0.9375
92/750 [==>.....] - ETA: 0s - loss: 0.3455 - accuracy: 0.9276
181/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9314
268/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy: 0.9319
359/750 [======>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9308
448/750 [======>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9309
539/750 [======>.....] - ETA: 0s - loss: 0.3442 - accuracy: 0.9307
629/750 [======>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9299
719/750 [======>..] - ETA: 0s - loss: 0.3452 - accuracy: 0.9298
750/750 [=====] - 1s 692us/step - loss: 0.3451 - accuracy: 0.9299 - val_loss: 0.4830 - val_accuracy: 0.8876
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.4470 - accuracy: 0.8750
93/750 [==>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9348
179/750 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy: 0.9339

269/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9319
361/750 [=====>.....] - ETA: 0s - loss: 0.3414 - accuracy: 0.9308
449/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9310
536/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9310
625/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9306
714/750 [=====>..] - ETA: 0s - loss: 0.3446 - accuracy: 0.9298
750/750 [=====] - 1s 694us/step - loss: 0.3451 - accuracy: 0.9294 - val_loss: 0.4957 - val_accuracy: 0.8823
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.2920 - accuracy: 0.9375
92/750 [==>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9350
182/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy: 0.9345
270/750 [=====>.....] - ETA: 0s - loss: 0.3466 - accuracy: 0.9301
358/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy: 0.9307
448/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9308
536/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9304
625/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9302
713/750 [=====>..] - ETA: 0s - loss: 0.3448 - accuracy: 0.9304
750/750 [=====] - 1s 713us/step - loss: 0.3444 - accuracy: 0.9305 - val_loss: 0.5032 - val_accuracy: 0.8780
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.4340 - accuracy: 0.8750
91/750 [==>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9330
179/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9303
269/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9300
360/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9287
450/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy: 0.9280

539/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9297
628/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9297
716/750 [=====>..] - ETA: 0s - loss: 0.3456 - accuracy: 0.9293
750/750 [=====] - 1s 690us/step - loss: 0.3450 - accuracy: 0.9296 - val_loss: 0.5307 - val_accuracy: 0.8670
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.3510 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9321
181/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy: 0.9335
268/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9349
358/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9333
448/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9302
536/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9309
626/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9304
715/750 [=====>..] - ETA: 0s - loss: 0.3457 - accuracy: 0.9301
750/750 [=====] - 1s 689us/step - loss: 0.3471 - accuracy: 0.9295 - val_loss: 0.4857 - val_accuracy: 0.8849
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.4666 - accuracy: 0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.3378 - accuracy: 0.9347
181/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy: 0.9323
273/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9325
362/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy: 0.9326
453/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9319
542/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy: 0.9304
631/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9302
722/750 [=====>..] - ETA: 0s - loss: 0.3440 - accuracy: 0.9308

750/750 [=====] - 1s 689us/step - loss: 0.3434 - accuracy:
0.9310 - val_loss: 0.5010 - val_accuracy: 0.8784
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.2617 - accuracy:
0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3317 - accuracy:
0.9356
179/750 [=====>.....] - ETA: 0s - loss: 0.3299 - accuracy:
0.9372
268/750 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9358
357/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9341
449/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9334
539/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy:
0.9330
624/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9316
712/750 [=====>..] - ETA: 0s - loss: 0.3430 - accuracy:
0.9314
750/750 [=====] - 1s 694us/step - loss: 0.3427 - accuracy:
0.9314 - val_loss: 0.4808 - val_accuracy: 0.8880
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9342
181/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9336
270/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9332
359/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9331
447/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9331
537/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9328
623/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
0.9312
712/750 [=====>..] - ETA: 0s - loss: 0.3435 - accuracy:
0.9317
750/750 [=====] - 1s 698us/step - loss: 0.3444 - accuracy:
0.9314 - val_loss: 0.5308 - val_accuracy: 0.8722
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9375

89/750 [==>.....] - ETA: 0s - loss: 0.3383 - accuracy: 0.9331
176/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy: 0.9317
267/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy: 0.9302
361/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9311
447/750 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy: 0.9309
538/750 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy: 0.9303
628/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9304
714/750 [=====>..] - ETA: 0s - loss: 0.3456 - accuracy: 0.9303
750/750 [=====>] - 1s 692us/step - loss: 0.3460 - accuracy: 0.9301 - val_loss: 0.4919 - val_accuracy: 0.8846
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.2746 - accuracy: 0.9531
92/750 [==>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9351
180/750 [=====>.....] - ETA: 0s - loss: 0.3418 - accuracy: 0.9319
269/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9312
360/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy: 0.9307
447/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9305
537/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9306
627/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9302
716/750 [=====>..] - ETA: 0s - loss: 0.3449 - accuracy: 0.9302
750/750 [=====>] - 1s 693us/step - loss: 0.3445 - accuracy: 0.9303 - val_loss: 0.4917 - val_accuracy: 0.8840
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.4555 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9301
180/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9308
269/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy: 0.9294

359/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9308
450/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9320
536/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9319
626/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9317
716/750 [=====>..] - ETA: 0s - loss: 0.3426 - accuracy: 0.9310
750/750 [=====] - 1s 692us/step - loss: 0.3433 - accuracy: 0.9306 - val_loss: 0.4856 - val_accuracy: 0.8870
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.3203 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9355
176/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy: 0.9349
268/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy: 0.9341
357/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy: 0.9332
446/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy: 0.9336
536/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9324
626/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9325
715/750 [=====>..] - ETA: 0s - loss: 0.3431 - accuracy: 0.9318
750/750 [=====] - 1s 689us/step - loss: 0.3429 - accuracy: 0.9316 - val_loss: 0.5779 - val_accuracy: 0.8524
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.2267 - accuracy: 0.9844
86/750 [==>.....] - ETA: 0s - loss: 0.3276 - accuracy: 0.9384
162/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9354
253/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9339
343/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9332
431/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9310
519/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy: 0.9311

608/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9309
696/750 [=====>...] - ETA: 0s - loss: 0.3450 - accuracy: 0.9305
750/750 [=====] - 1s 709us/step - loss: 0.3453 - accuracy: 0.9305 - val_loss: 0.5145 - val_accuracy: 0.8809
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.3445 - accuracy: 0.9325
179/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9368
268/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy: 0.9332
360/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9322
449/750 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy: 0.9319
540/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9315
632/750 [=====>.....] - ETA: 0s - loss: 0.3431 - accuracy: 0.9317
719/750 [=====>..] - ETA: 0s - loss: 0.3441 - accuracy: 0.9309
750/750 [=====] - 1s 693us/step - loss: 0.3445 - accuracy: 0.9309 - val_loss: 0.4962 - val_accuracy: 0.8800
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.3892 - accuracy: 0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.3304 - accuracy: 0.9375
182/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy: 0.9380
270/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9362
361/750 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy: 0.9334
448/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9338
535/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy: 0.9330
627/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9319
713/750 [=====>..] - ETA: 0s - loss: 0.3445 - accuracy: 0.9312
750/750 [=====] - 1s 700us/step - loss: 0.3442 - accuracy: 0.9313 - val_loss: 0.4936 - val_accuracy: 0.8827

Epoch 214/220

```
1/750 [.....] - ETA: 0s - loss: 0.3063 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3383 - accuracy: 0.9330
182/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy: 0.9332
271/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9296
360/750 [======>.....] - ETA: 0s - loss: 0.3397 - accuracy: 0.9309
449/750 [======>.....] - ETA: 0s - loss: 0.3420 - accuracy: 0.9310
537/750 [======>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9312
630/750 [======>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9317
716/750 [======>..] - ETA: 0s - loss: 0.3421 - accuracy: 0.9317
750/750 [=====] - 1s 692us/step - loss: 0.3418 - accuracy: 0.9320 - val_loss: 0.5027 - val_accuracy: 0.8754
Epoch 215/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.9531
91/750 [==>.....] - ETA: 0s - loss: 0.3323 - accuracy: 0.9337
181/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy: 0.9291
272/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9301
360/750 [======>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9293
450/750 [======>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9294
536/750 [======>.....] - ETA: 0s - loss: 0.3426 - accuracy: 0.9299
627/750 [======>.....] - ETA: 0s - loss: 0.3447 - accuracy: 0.9296
718/750 [======>..] - ETA: 0s - loss: 0.3458 - accuracy: 0.9295
750/750 [=====] - 1s 692us/step - loss: 0.3454 - accuracy: 0.9294 - val_loss: 0.4996 - val_accuracy: 0.8825
Epoch 216/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5029 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.3385 - accuracy: 0.9345
```


177/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9316
267/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy: 0.9311
357/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9302
445/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9311
534/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9319
624/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9319
710/750 [=====>..] - ETA: 0s - loss: 0.3422 - accuracy: 0.9315
750/750 [=====>] - 1s 694us/step - loss: 0.3426 - accuracy: 0.9314 - val_loss: 0.5029 - val_accuracy: 0.8793
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9373
177/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9362
263/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9333
346/750 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9337
435/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9327
522/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9308
610/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9314
697/750 [=====>...] - ETA: 0s - loss: 0.3449 - accuracy: 0.9310
750/750 [=====>] - 1s 710us/step - loss: 0.3448 - accuracy: 0.9308 - val_loss: 0.5135 - val_accuracy: 0.8750
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.2768 - accuracy: 0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9315
177/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9320
265/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9299
354/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy: 0.9309

441/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9321
531/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9320
617/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9324
705/750 [=====>..] - ETA: 0s - loss: 0.3429 - accuracy: 0.9315
750/750 [=====] - 1s 705us/step - loss: 0.3425 - accuracy: 0.9315 - val_loss: 0.4977 - val_accuracy: 0.8816
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.4011 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9324
175/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9359
256/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.9344
340/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9320
429/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy: 0.9316
518/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9313
610/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9317
698/750 [=====>...] - ETA: 0s - loss: 0.3426 - accuracy: 0.9321
750/750 [=====] - 1s 710us/step - loss: 0.3431 - accuracy: 0.9319 - val_loss: 0.4881 - val_accuracy: 0.8884
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.3265 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9345
183/750 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy: 0.9335
273/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.9325
362/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy: 0.9318
450/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy: 0.9316
537/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9316
628/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9320

715/750 [=====>..] - ETA: 0s - loss: 0.3417 - accuracy: 0.9323
750/750 [=====] - 1s 689us/step - loss: 0.3423 - accuracy: 0.9317 - val_loss: 0.4885 - val_accuracy: 0.8848

1/313 [.....] - ETA: 3s - loss: 0.6507 - accuracy: 0.8750
94/313 [=====>.....] - ETA: 0s - loss: 0.4969 - accuracy: 0.8807
214/313 [=====>.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.8769
313/313 [=====] - 0s 458us/step - loss: 0.5169 - accuracy: 0.8770
Testing loss: 0.5169496536254883
Testing accuracy: 87.69999742507935%

Running for Model 2/12

Model: "sequential_2"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510

=====
Total params: 47,410
Trainable params: 47,410
Non-trainable params: 0
=====

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.01 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50, 'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10, 'activation_function': 'softmax'}]
Epoch 1/220

1/750 [.....] - ETA: 1:59 - loss: 2.5747 - accuracy: 0.1094
67/750 [=>.....] - ETA: 0s - loss: 2.5191 - accuracy: 0.1800

136/750 [====>.....] - ETA: 0s - loss: 2.4505 - accuracy: 0.2290
208/750 [=====>.....] - ETA: 0s - loss: 2.3356 - accuracy: 0.2889
282/750 [=====>.....] - ETA: 0s - loss: 2.1788 - accuracy: 0.3510
353/750 [=====>.....] - ETA: 0s - loss: 2.0250 - accuracy: 0.4054
427/750 [=====>.....] - ETA: 0s - loss: 1.8872 - accuracy: 0.4547
500/750 [=====>.....] - ETA: 0s - loss: 1.7734 - accuracy: 0.4927
571/750 [=====>.....] - ETA: 0s - loss: 1.6826 - accuracy: 0.5225
645/750 [=====>....] - ETA: 0s - loss: 1.6047 - accuracy: 0.5479
718/750 [=====>..] - ETA: 0s - loss: 1.5421 - accuracy: 0.5681
750/750 [=====] - 1s 957us/step - loss: 1.5180 - accuracy: 0.5760 - val_loss: 0.9475 - val_accuracy: 0.7577
Epoch 2/220

1/750 [.....] - ETA: 0s - loss: 0.8700 - accuracy: 0.8125
74/750 [=>.....] - ETA: 0s - loss: 0.9544 - accuracy: 0.7614
145/750 [====>.....] - ETA: 0s - loss: 0.9432 - accuracy: 0.7642
217/750 [=====>.....] - ETA: 0s - loss: 0.9315 - accuracy: 0.7658
290/750 [=====>.....] - ETA: 0s - loss: 0.9242 - accuracy: 0.7665
362/750 [=====>.....] - ETA: 0s - loss: 0.9164 - accuracy: 0.7693
435/750 [=====>.....] - ETA: 0s - loss: 0.9072 - accuracy: 0.7730
506/750 [=====>.....] - ETA: 0s - loss: 0.9014 - accuracy: 0.7742
577/750 [=====>.....] - ETA: 0s - loss: 0.8956 - accuracy: 0.7762
651/750 [=====>....] - ETA: 0s - loss: 0.8900 - accuracy: 0.7777
721/750 [=====>..] - ETA: 0s - loss: 0.8846 - accuracy: 0.7798
750/750 [=====] - 1s 856us/step - loss: 0.8825 - accuracy: 0.7807 - val_loss: 0.8356 - val_accuracy: 0.7953
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 0.7779 - accuracy:

0.8125 [.....] - ETA: 0s - loss: 0.8268 - accuracy: 0.8051
68/750 [=>.....] - ETA: 0s - loss: 0.8277 - accuracy: 0.8021
138/750 [====>.....] - ETA: 0s - loss: 0.8210 - accuracy: 0.8032
211/750 [=====>.....] - ETA: 0s - loss: 0.8119 - accuracy: 0.8074
282/750 [======>.....] - ETA: 0s - loss: 0.8143 - accuracy: 0.8057
359/750 [======>.....] - ETA: 0s - loss: 0.8084 - accuracy: 0.8078
433/750 [======>.....] - ETA: 0s - loss: 0.8028 - accuracy: 0.8091
509/750 [======>.....] - ETA: 0s - loss: 0.8013 - accuracy: 0.8098
586/750 [======>.....] - ETA: 0s - loss: 0.7967 - accuracy: 0.8117
660/750 [======>....] - ETA: 0s - loss: 0.7959 - accuracy: 0.8118
736/750 [======>.] - ETA: 0s - loss: 0.7960 - accuracy: 0.8118
750/750 [=====] - 1s 830us/step - loss: 0.7960 - accuracy: 0.8118 - val_loss: 0.7688 - val_accuracy: 0.8217
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 0.7466 - accuracy: 0.8594
76/750 [=>.....] - ETA: 0s - loss: 0.7678 - accuracy: 0.8209
153/750 [====>.....] - ETA: 0s - loss: 0.7726 - accuracy: 0.8194
231/750 [=====>.....] - ETA: 0s - loss: 0.7719 - accuracy: 0.8189
305/750 [======>.....] - ETA: 0s - loss: 0.7683 - accuracy: 0.8200
382/750 [======>.....] - ETA: 0s - loss: 0.7644 - accuracy: 0.8219
459/750 [======>.....] - ETA: 0s - loss: 0.7617 - accuracy: 0.8228
535/750 [======>.....] - ETA: 0s - loss: 0.7629 - accuracy: 0.8221
611/750 [======>.....] - ETA: 0s - loss: 0.7604 - accuracy: 0.8236
686/750 [======>...] - ETA: 0s - loss: 0.7577 - accuracy: 0.8243
750/750 [=====] - 1s 818us/step - loss: 0.7542 - accuracy: 0.8258 - val_loss: 0.7499 - val_accuracy: 0.8275
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 0.7147 - accuracy:

0.8281 [.....] - ETA: 0s - loss: 0.7279 - accuracy: 0.8407
77/750 [==>.....] - ETA: 0s - loss: 0.7279 - accuracy: 0.8407
151/750 [====>.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.8359
227/750 [=====>.....] - ETA: 0s - loss: 0.7334 - accuracy: 0.8345
304/750 [=====>.....] - ETA: 0s - loss: 0.7333 - accuracy: 0.8351
380/750 [=====>.....] - ETA: 0s - loss: 0.7290 - accuracy: 0.8356
456/750 [=====>.....] - ETA: 0s - loss: 0.7251 - accuracy: 0.8356
535/750 [=====>.....] - ETA: 0s - loss: 0.7258 - accuracy: 0.8355
609/750 [=====>.....] - ETA: 0s - loss: 0.7248 - accuracy: 0.8351
686/750 [=====>...] - ETA: 0s - loss: 0.7252 - accuracy: 0.8350
750/750 [=====] - 1s 818us/step - loss: 0.7239 - accuracy: 0.8349 - val_loss: 0.7083 - val_accuracy: 0.8436
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.9219
78/750 [==>.....] - ETA: 0s - loss: 0.7058 - accuracy: 0.8385
154/750 [====>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.8427
231/750 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy: 0.8398
308/750 [=====>.....] - ETA: 0s - loss: 0.7001 - accuracy: 0.8432
384/750 [=====>.....] - ETA: 0s - loss: 0.7020 - accuracy: 0.8428
463/750 [=====>.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.8421
537/750 [=====>.....] - ETA: 0s - loss: 0.7013 - accuracy: 0.8420
614/750 [=====>.....] - ETA: 0s - loss: 0.7037 - accuracy: 0.8406
691/750 [=====>...] - ETA: 0s - loss: 0.7032 - accuracy: 0.8409
750/750 [=====] - 1s 804us/step - loss: 0.7018 - accuracy: 0.8417 - val_loss: 0.6980 - val_accuracy: 0.8454
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.8281
76/750 [==>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.8281

0.8446 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.6853 - accuracy:
0.8419 [=====>.....] - ETA: 0s - loss: 0.6873 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.6931 - accuracy:
0.8466 [=====>.....] - ETA: 0s - loss: 0.6898 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.6886 - accuracy:
0.8449 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.6843 - accuracy:
0.8442 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
0.8450 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
0.8454 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
0.8456 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
691/750 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
0.8465 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.6836 - accuracy:
0.8470 - val_loss: 0.6777 - val_accuracy: 0.8503
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 0.6942 - accuracy:
0.8438 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.6765 - accuracy:
0.8468 [=====>.....] - ETA: 0s - loss: 0.6735 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.6745 - accuracy:
0.8502 [=====>.....] - ETA: 0s - loss: 0.6734 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.6721 - accuracy:
0.8519 [=====>.....] - ETA: 0s - loss: 0.6709 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
0.8518 [=====>.....] - ETA: 0s - loss: 0.6685 - accuracy:
388/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
0.8509 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
0.8507 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
0.8503 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
0.8509 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
690/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
0.8509 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.6691 - accuracy:
0.8509 - val_loss: 0.6651 - val_accuracy: 0.8547
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.6152 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.6482 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.6568 - accuracy:
155/750 [=====>.....] - ETA: 0s - loss: 0.6568 - accuracy:

0.8576 [=====>.....] - ETA: 0s - loss: 0.6564 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.6564 - accuracy:
0.8557 [=====>.....] - ETA: 0s - loss: 0.6547 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.6547 - accuracy:
0.8575 [=====>.....] - ETA: 0s - loss: 0.6563 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.6563 - accuracy:
0.8556 [=====>.....] - ETA: 0s - loss: 0.6564 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.6564 - accuracy:
0.8556 [=====>.....] - ETA: 0s - loss: 0.6546 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.6546 - accuracy:
0.8557 [=====>.....] - ETA: 0s - loss: 0.6532 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.6532 - accuracy:
0.8559 [=====>.....] - ETA: 0s - loss: 0.6535 - accuracy:
687/750 [=====>...] - ETA: 0s - loss: 0.6535 - accuracy:
0.8553 [=====>...] - ETA: 0s - loss: 0.6543 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.6543 - accuracy:
0.8551 - val_loss: 0.6647 - val_accuracy: 0.8504
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.6020 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6478 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6478 - accuracy:
0.8582 [==>.....] - ETA: 0s - loss: 0.6440 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6440 - accuracy:
0.8592 [====>.....] - ETA: 0s - loss: 0.6482 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.6482 - accuracy:
0.8561 [=====>.....] - ETA: 0s - loss: 0.6506 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.6506 - accuracy:
0.8549 [=====>.....] - ETA: 0s - loss: 0.6428 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6428 - accuracy:
0.8575 [=====>.....] - ETA: 0s - loss: 0.6394 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.6394 - accuracy:
0.8584 [=====>.....] - ETA: 0s - loss: 0.6415 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.6415 - accuracy:
0.8585 [=====>.....] - ETA: 0s - loss: 0.6401 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.6401 - accuracy:
0.8589 [=====>.....] - ETA: 0s - loss: 0.6412 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.6412 - accuracy:
0.8585 [=====>...] - ETA: 0s - loss: 0.6416 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.6416 - accuracy:
0.8585 - val_loss: 0.6543 - val_accuracy: 0.8517
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6379 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6379 - accuracy:
0.8575 [==>.....] - ETA: 0s - loss: 0.6368 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.6368 - accuracy:
0.8596 [====>.....] - ETA: 0s - loss: 0.6390 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.6390 - accuracy:

0.8589 [.....] - ETA: 0s - loss: 0.6334 - accuracy: 0.8612
303/750 [=====>.....] - ETA: 0s - loss: 0.6334 - accuracy: 0.8612
380/750 [=====>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.8600
458/750 [=====>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.8603
535/750 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.8612
613/750 [=====>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.8614
690/750 [=====>...] - ETA: 0s - loss: 0.6290 - accuracy: 0.8614
750/750 [=====] - 1s 818us/step - loss: 0.6299 - accuracy: 0.8611 - val_loss: 0.6368 - val_accuracy: 0.8606
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.7487 - accuracy: 0.8438
76/750 [==>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.8709
153/750 [====>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.8673
226/750 [=====>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.8672
304/750 [=====>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.8660
380/750 [=====>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.8648
454/750 [=====>.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.8635
530/750 [=====>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.8638
606/750 [=====>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.8639
683/750 [=====>...] - ETA: 0s - loss: 0.6217 - accuracy: 0.8640
750/750 [=====] - 1s 810us/step - loss: 0.6214 - accuracy: 0.8639 - val_loss: 0.6317 - val_accuracy: 0.8580
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.6517 - accuracy: 0.8125
77/750 [==>.....] - ETA: 0s - loss: 0.6131 - accuracy: 0.8661
153/750 [====>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.8667
231/750 [=====>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.8657
307/750 [=====>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.8657

0.8650 [=====>.....] - ETA: 0s - loss: 0.6108 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6108 - accuracy:
0.8656 [=====>.....] - ETA: 0s - loss: 0.6109 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.6109 - accuracy:
0.8649 [=====>.....] - ETA: 0s - loss: 0.6096 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6096 - accuracy:
0.8649 [=====>.....] - ETA: 0s - loss: 0.6105 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.6105 - accuracy:
0.8648 [=====>.....] - ETA: 0s - loss: 0.6120 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6120 - accuracy:
0.8640 [=====>...] - ETA: 0s - loss: 0.6109 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.6109 - accuracy:
0.8643 - val_loss: 0.6194 - val_accuracy: 0.8629
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.4994 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5907 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5907 - accuracy:
0.8726 [==>.....] - ETA: 0s - loss: 0.5940 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5940 - accuracy:
0.8690 [====>.....] - ETA: 0s - loss: 0.5953 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy:
0.8694 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8681 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
0.8693 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy:
0.8670 [=====>.....] - ETA: 0s - loss: 0.6012 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.6012 - accuracy:
0.8669 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy:
0.8673 [=====>.....] - ETA: 0s - loss: 0.6037 - accuracy:
687/750 [=====>...] - ETA: 0s - loss: 0.6037 - accuracy:
0.8670 [=====>...] - ETA: 0s - loss: 0.6015 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.6015 - accuracy:
0.8676 - val_loss: 0.6194 - val_accuracy: 0.8603
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.5929 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6005 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6005 - accuracy:
0.8648 [==>.....] - ETA: 0s - loss: 0.5951 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8680 [====>.....] - ETA: 0s - loss: 0.5882 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.5882 - accuracy:
0.8700 [=====>.....] - ETA: 0s - loss: 0.5870 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5870 - accuracy:
0.8699 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:

0.8701
460/750 [=====>.....] - ETA: 0s - loss: 0.5903 - accuracy:
0.8704
538/750 [=====>.....] - ETA: 0s - loss: 0.5903 - accuracy:
0.8703
614/750 [=====>.....] - ETA: 0s - loss: 0.5913 - accuracy:
0.8702
692/750 [=====>...] - ETA: 0s - loss: 0.5920 - accuracy:
0.8704
750/750 [=====] - 1s 800us/step - loss: 0.5931 - accuracy:
0.8695 - val_loss: 0.6044 - val_accuracy: 0.8668
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.4995 - accuracy:
0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.5841 - accuracy:
0.8777
149/750 [====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
0.8721
225/750 [=====>.....] - ETA: 0s - loss: 0.5883 - accuracy:
0.8716
301/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy:
0.8729
377/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy:
0.8723
452/750 [=====>.....] - ETA: 0s - loss: 0.5873 - accuracy:
0.8713
528/750 [=====>.....] - ETA: 0s - loss: 0.5853 - accuracy:
0.8717
605/750 [=====>.....] - ETA: 0s - loss: 0.5838 - accuracy:
0.8722
677/750 [=====>...] - ETA: 0s - loss: 0.5856 - accuracy:
0.8712
749/750 [=====>.] - ETA: 0s - loss: 0.5855 - accuracy:
0.8711
750/750 [=====] - 1s 817us/step - loss: 0.5856 - accuracy:
0.8710 - val_loss: 0.5972 - val_accuracy: 0.8668
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.7635 - accuracy:
0.7969
77/750 [==>.....] - ETA: 0s - loss: 0.5817 - accuracy:
0.8722
153/750 [====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8707
229/750 [=====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
0.8721
308/750 [=====>.....] - ETA: 0s - loss: 0.5790 - accuracy:
0.8726
384/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:

0.8727 [=====>.....] - ETA: 0s - loss: 0.5792 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5786 - accuracy:
0.8733 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.5772 - accuracy:
0.8733 [=====>.....] - ETA: 0s - loss: 0.5783 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.5783 - accuracy:
0.8736 [=====>.....] - ETA: 0s - loss: 0.5783 - accuracy:
690/750 [=====>.....] - ETA: 0s - loss: 0.5783 - accuracy:
0.8735 [=====>.....] - ETA: 0s - loss: 0.5783 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5783 - accuracy:
0.8733 - val_loss: 0.5959 - val_accuracy: 0.8662
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.6458 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy:
0.8767 [=====>.....] - ETA: 0s - loss: 0.5647 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.5642 - accuracy:
0.8731 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.5691 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.5717 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
0.8743 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
599/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
0.8744 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
673/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
0.8738 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.5710 - accuracy:
0.8736 - val_loss: 0.5936 - val_accuracy: 0.8667
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy:
0.8818 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8803 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8809 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8790 [=====>.....] - ETA: 0s - loss: 0.5584 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5584 - accuracy:
0.8776 [=====>.....] - ETA: 0s - loss: 0.5586 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.5586 - accuracy:

0.8768
539/750 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy:
0.8760
615/750 [=====>.....] - ETA: 0s - loss: 0.5637 - accuracy:
0.8756
693/750 [=====>...] - ETA: 0s - loss: 0.5643 - accuracy:
0.8756
750/750 [=====] - 1s 798us/step - loss: 0.5638 - accuracy:
0.8756 - val_loss: 0.5772 - val_accuracy: 0.8712
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.4168 - accuracy:
0.9219
81/750 [==>.....] - ETA: 0s - loss: 0.5580 - accuracy:
0.8800
156/750 [====>.....] - ETA: 0s - loss: 0.5521 - accuracy:
0.8786
232/750 [=====>.....] - ETA: 0s - loss: 0.5568 - accuracy:
0.8769
309/750 [=====>.....] - ETA: 0s - loss: 0.5594 - accuracy:
0.8754
386/750 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy:
0.8755
464/750 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy:
0.8756
539/750 [=====>.....] - ETA: 0s - loss: 0.5589 - accuracy:
0.8759
615/750 [=====>.....] - ETA: 0s - loss: 0.5587 - accuracy:
0.8762
694/750 [=====>...] - ETA: 0s - loss: 0.5585 - accuracy:
0.8761
750/750 [=====] - 1s 800us/step - loss: 0.5579 - accuracy:
0.8763 - val_loss: 0.5998 - val_accuracy: 0.8596
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.6530 - accuracy:
0.8281
77/750 [==>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.8758
151/750 [====>.....] - ETA: 0s - loss: 0.5577 - accuracy:
0.8758
228/750 [=====>.....] - ETA: 0s - loss: 0.5497 - accuracy:
0.8782
304/750 [=====>.....] - ETA: 0s - loss: 0.5487 - accuracy:
0.8789
381/750 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy:
0.8792
457/750 [=====>.....] - ETA: 0s - loss: 0.5494 - accuracy:
0.8787
534/750 [=====>.....] - ETA: 0s - loss: 0.5499 - accuracy:

0.8781 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy:
0.8772 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
0.8767 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.5512 - accuracy:
0.8767 - val_loss: 0.5721 - val_accuracy: 0.8695
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.5749 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5749 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8797 [==>.....] - ETA: 0s - loss: 0.5404 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8765 [====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.5491 - accuracy:
0.8782 [=====>.....] - ETA: 0s - loss: 0.5491 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.5456 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5456 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5477 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.5477 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.5466 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.5466 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
0.8772 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.5461 - accuracy:
0.8773 [=====>.....] - ETA: 0s - loss: 0.5461 - accuracy:
695/750 [=====>.....] - ETA: 0s - loss: 0.5456 - accuracy:
0.8775 [=====>.....] - ETA: 0s - loss: 0.5456 - accuracy:
750/750 [=====] - 1s 797us/step - loss: 0.5457 - accuracy:
0.8777 - val_loss: 0.5873 - val_accuracy: 0.8631
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.7026 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.7026 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5507 - accuracy:
0.8774 [==>.....] - ETA: 0s - loss: 0.5507 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.5408 - accuracy:
0.8839 [====>.....] - ETA: 0s - loss: 0.5408 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.5364 - accuracy:
0.8843 [=====>.....] - ETA: 0s - loss: 0.5364 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.5392 - accuracy:
0.8827 [=====>.....] - ETA: 0s - loss: 0.5392 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.8800 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
465/750 [=====>.....] - ETA: 0s - loss: 0.5422 - accuracy:
0.8801 [=====>.....] - ETA: 0s - loss: 0.5422 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.5417 - accuracy:
0.8798 [=====>.....] - ETA: 0s - loss: 0.5417 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.5398 - accuracy:

0.8809 [=====] - ETA: 0s - loss: 0.5391 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.5391 - accuracy:
0.8807 [=====] - ETA: 0s - loss: 0.5391 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.5396 - accuracy:
0.8801 - val_loss: 0.5639 - val_accuracy: 0.8721
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.4790 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4790 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5257 - accuracy:
0.8858 [.....] - ETA: 0s - loss: 0.5257 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5242 - accuracy:
0.8890 [.....] - ETA: 0s - loss: 0.5242 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5291 - accuracy:
0.8846 [.....] - ETA: 0s - loss: 0.5291 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5340 - accuracy:
0.8831 [.....] - ETA: 0s - loss: 0.5340 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5364 - accuracy:
0.8809 [.....] - ETA: 0s - loss: 0.5364 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8818 [.....] - ETA: 0s - loss: 0.5354 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.5348 - accuracy:
0.8812 [.....] - ETA: 0s - loss: 0.5348 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.5350 - accuracy:
0.8815 [.....] - ETA: 0s - loss: 0.5350 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.5345 - accuracy:
0.8817 [.....] - ETA: 0s - loss: 0.5345 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.5343 - accuracy:
0.8817 - val_loss: 0.5649 - val_accuracy: 0.8694
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.5882 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5882 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5180 - accuracy:
0.8874 [.....] - ETA: 0s - loss: 0.5180 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5293 - accuracy:
0.8836 [.....] - ETA: 0s - loss: 0.5293 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy:
0.8814 [.....] - ETA: 0s - loss: 0.5322 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5325 - accuracy:
0.8802 [.....] - ETA: 0s - loss: 0.5325 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.8798 [.....] - ETA: 0s - loss: 0.5317 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8796 [.....] - ETA: 0s - loss: 0.5326 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.8811 [.....] - ETA: 0s - loss: 0.5301 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.5294 - accuracy:
0.8812 [.....] - ETA: 0s - loss: 0.5294 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.5295 - accuracy:

0.8816
750/750 [=====] - 1s 802us/step - loss: 0.5295 - accuracy:
0.8815 - val_loss: 0.5534 - val_accuracy: 0.8731
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.5452 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8875
152/750 [=====>.....] - ETA: 0s - loss: 0.5262 - accuracy:
0.8826
231/750 [=====>.....] - ETA: 0s - loss: 0.5219 - accuracy:
0.8845
308/750 [======>.....] - ETA: 0s - loss: 0.5231 - accuracy:
0.8839
385/750 [======>.....] - ETA: 0s - loss: 0.5264 - accuracy:
0.8825
460/750 [======>.....] - ETA: 0s - loss: 0.5281 - accuracy:
0.8819
537/750 [======>.....] - ETA: 0s - loss: 0.5266 - accuracy:
0.8816
616/750 [======>.....] - ETA: 0s - loss: 0.5254 - accuracy:
0.8819
693/750 [======>...] - ETA: 0s - loss: 0.5230 - accuracy:
0.8830
750/750 [=====] - 1s 806us/step - loss: 0.5239 - accuracy:
0.8826 - val_loss: 0.5769 - val_accuracy: 0.8635
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.6112 - accuracy:
0.8438
77/750 [==>.....] - ETA: 0s - loss: 0.5292 - accuracy:
0.8862
154/750 [=====>.....] - ETA: 0s - loss: 0.5169 - accuracy:
0.8867
232/750 [=====>.....] - ETA: 0s - loss: 0.5213 - accuracy:
0.8838
308/750 [======>.....] - ETA: 0s - loss: 0.5228 - accuracy:
0.8822
384/750 [======>.....] - ETA: 0s - loss: 0.5232 - accuracy:
0.8824
460/750 [======>.....] - ETA: 0s - loss: 0.5224 - accuracy:
0.8824
539/750 [======>.....] - ETA: 0s - loss: 0.5200 - accuracy:
0.8829
616/750 [======>.....] - ETA: 0s - loss: 0.5182 - accuracy:
0.8839
693/750 [======>...] - ETA: 0s - loss: 0.5186 - accuracy:
0.8837
750/750 [=====] - 1s 798us/step - loss: 0.5190 - accuracy:

0.8832 - val_loss: 0.5570 - val_accuracy: 0.8708
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.4692 - accuracy: 0.8594
80/750 [==>.....] - ETA: 0s - loss: 0.5040 - accuracy: 0.8852
155/750 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy: 0.8834
233/750 [=====>.....] - ETA: 0s - loss: 0.5078 - accuracy: 0.8853
310/750 [======>.....] - ETA: 0s - loss: 0.5149 - accuracy: 0.8839
387/750 [======>.....] - ETA: 0s - loss: 0.5139 - accuracy: 0.8843
463/750 [======>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.8852
540/750 [======>.....] - ETA: 0s - loss: 0.5141 - accuracy: 0.8844
618/750 [======>.....] - ETA: 0s - loss: 0.5112 - accuracy: 0.8857
693/750 [======>...] - ETA: 0s - loss: 0.5107 - accuracy: 0.8856
750/750 [=====] - 1s 798us/step - loss: 0.5136 - accuracy: 0.8845 - val_loss: 0.5775 - val_accuracy: 0.8561
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.4818 - accuracy: 0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.4895 - accuracy: 0.8941
154/750 [=====>.....] - ETA: 0s - loss: 0.5016 - accuracy: 0.8912
232/750 [=====>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.8889
308/750 [======>.....] - ETA: 0s - loss: 0.5077 - accuracy: 0.8872
384/750 [======>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8873
460/750 [======>.....] - ETA: 0s - loss: 0.5087 - accuracy: 0.8861
537/750 [======>.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.8859
613/750 [======>.....] - ETA: 0s - loss: 0.5099 - accuracy: 0.8853
689/750 [======>...] - ETA: 0s - loss: 0.5105 - accuracy: 0.8852
750/750 [=====] - 1s 802us/step - loss: 0.5093 - accuracy: 0.8851 - val_loss: 0.5465 - val_accuracy: 0.8737
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.4892 - accuracy: 0.8906
79/750 [==>.....] - ETA: 0s - loss: 0.5180 - accuracy: 0.8809
157/750 [=====>.....] - ETA: 0s - loss: 0.5138 - accuracy: 0.8838
232/750 [=====>.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.8869
311/750 [======>.....] - ETA: 0s - loss: 0.5124 - accuracy: 0.8844
388/750 [======>.....] - ETA: 0s - loss: 0.5100 - accuracy: 0.8849
467/750 [======>.....] - ETA: 0s - loss: 0.5105 - accuracy: 0.8845
543/750 [======>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.8844
620/750 [======>.....] - ETA: 0s - loss: 0.5078 - accuracy: 0.8854
698/750 [======>...] - ETA: 0s - loss: 0.5049 - accuracy: 0.8863
750/750 [=====] - 1s 798us/step - loss: 0.5052 - accuracy: 0.8860 - val_loss: 0.5607 - val_accuracy: 0.8682
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.4721 - accuracy: 0.9219
75/750 [==>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.8844
151/750 [=====>.....] - ETA: 0s - loss: 0.4966 - accuracy: 0.8896
232/750 [=====>.....] - ETA: 0s - loss: 0.4936 - accuracy: 0.8912
307/750 [======>.....] - ETA: 0s - loss: 0.4921 - accuracy: 0.8909
369/750 [======>.....] - ETA: 0s - loss: 0.4923 - accuracy: 0.8898
447/750 [======>.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.8898
523/750 [======>.....] - ETA: 0s - loss: 0.4967 - accuracy: 0.8894
600/750 [======>.....] - ETA: 0s - loss: 0.4995 - accuracy: 0.8874
677/750 [======>...] - ETA: 0s - loss: 0.4999 - accuracy: 0.8872
750/750 [=====] - 1s 817us/step - loss: 0.5001 - accuracy: 0.8869 - val_loss: 0.5399 - val_accuracy: 0.8763
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.4603 - accuracy:

0.8750 [.....] - ETA: 0s - loss: 0.5061 - accuracy: 0.8878
78/750 [==>.....] - ETA: 0s - loss: 0.5061 - accuracy: 0.8878
154/750 [=====>.....] - ETA: 0s - loss: 0.4891 - accuracy: 0.8922
231/750 [=====>.....] - ETA: 0s - loss: 0.4946 - accuracy: 0.8894
307/750 [======>.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.8891
384/750 [======>.....] - ETA: 0s - loss: 0.4973 - accuracy: 0.8879
460/750 [======>.....] - ETA: 0s - loss: 0.4962 - accuracy: 0.8884
537/750 [======>.....] - ETA: 0s - loss: 0.4954 - accuracy: 0.8891
614/750 [======>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.8890
690/750 [======>...] - ETA: 0s - loss: 0.4972 - accuracy: 0.8885
750/750 [=====] - 1s 806us/step - loss: 0.4970 - accuracy: 0.8886 - val_loss: 0.5292 - val_accuracy: 0.8786
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.4081 - accuracy: 0.9375
79/750 [==>.....] - ETA: 0s - loss: 0.4993 - accuracy: 0.8851
155/750 [=====>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.8859
232/750 [=====>.....] - ETA: 0s - loss: 0.4929 - accuracy: 0.8877
310/750 [======>.....] - ETA: 0s - loss: 0.4916 - accuracy: 0.8887
383/750 [======>.....] - ETA: 0s - loss: 0.4933 - accuracy: 0.8876
453/750 [======>.....] - ETA: 0s - loss: 0.4923 - accuracy: 0.8877
531/750 [======>.....] - ETA: 0s - loss: 0.4925 - accuracy: 0.8881
607/750 [======>.....] - ETA: 0s - loss: 0.4928 - accuracy: 0.8886
682/750 [======>...] - ETA: 0s - loss: 0.4930 - accuracy: 0.8887
750/750 [=====] - 1s 809us/step - loss: 0.4920 - accuracy: 0.8894 - val_loss: 0.5384 - val_accuracy: 0.8716
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.4134 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.4965 - accuracy: 0.8878

0.8805 [=====>.....] - ETA: 0s - loss: 0.4933 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.4933 - accuracy:
0.8838 [=====>.....] - ETA: 0s - loss: 0.4954 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.4954 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.4949 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.4949 - accuracy:
0.8858 [=====>.....] - ETA: 0s - loss: 0.4969 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.4969 - accuracy:
0.8852 [=====>.....] - ETA: 0s - loss: 0.4970 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.4970 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.4921 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.4921 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.4910 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.4910 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.4897 - accuracy:
695/750 [=====>...] - ETA: 0s - loss: 0.4897 - accuracy:
0.8893 [=====] - 1s 798us/step - loss: 0.4889 - accuracy:
0.8893 - val_loss: 0.5247 - val_accuracy: 0.8782
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.4637 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.4886 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.4886 - accuracy:
0.8890 [==>.....] - ETA: 0s - loss: 0.4919 - accuracy:
157/750 [==>.....] - ETA: 0s - loss: 0.4919 - accuracy:
0.8872 [==>.....] - ETA: 0s - loss: 0.4864 - accuracy:
232/750 [==>.....] - ETA: 0s - loss: 0.4864 - accuracy:
0.8895 [==>.....] - ETA: 0s - loss: 0.4841 - accuracy:
311/750 [==>.....] - ETA: 0s - loss: 0.4841 - accuracy:
0.8919 [==>.....] - ETA: 0s - loss: 0.4824 - accuracy:
389/750 [==>.....] - ETA: 0s - loss: 0.4824 - accuracy:
0.8916 [==>.....] - ETA: 0s - loss: 0.4811 - accuracy:
467/750 [==>.....] - ETA: 0s - loss: 0.4811 - accuracy:
0.8917 [==>.....] - ETA: 0s - loss: 0.4821 - accuracy:
544/750 [==>.....] - ETA: 0s - loss: 0.4821 - accuracy:
0.8915 [==>.....] - ETA: 0s - loss: 0.4845 - accuracy:
621/750 [==>.....] - ETA: 0s - loss: 0.4845 - accuracy:
0.8907 [==>.....] - ETA: 0s - loss: 0.4853 - accuracy:
696/750 [==>.....] - ETA: 0s - loss: 0.4853 - accuracy:
0.8904 [==>.....] - 1s 798us/step - loss: 0.4852 - accuracy:
750/750 [==>.....] - 1s 798us/step - loss: 0.4852 - accuracy:
0.8903 - val_loss: 0.5243 - val_accuracy: 0.8771
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.4359 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.4654 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4654 - accuracy:
0.8946 [==>.....] - ETA: 0s - loss: 0.4816 - accuracy:
153/750 [==>.....] - ETA: 0s - loss: 0.4816 - accuracy:

0.8913 [=====>.....] - ETA: 0s - loss: 0.4827 - accuracy: 0.8904
310/750 [=====>.....] - ETA: 0s - loss: 0.4821 - accuracy: 0.8901
386/750 [=====>.....] - ETA: 0s - loss: 0.4841 - accuracy: 0.8896
463/750 [=====>.....] - ETA: 0s - loss: 0.4837 - accuracy: 0.8891
542/750 [=====>.....] - ETA: 0s - loss: 0.4814 - accuracy: 0.8895
619/750 [=====>.....] - ETA: 0s - loss: 0.4826 - accuracy: 0.8893
695/750 [=====>...] - ETA: 0s - loss: 0.4806 - accuracy: 0.8903
750/750 [=====] - 1s 797us/step - loss: 0.4812 - accuracy: 0.8902 - val_loss: 0.5537 - val_accuracy: 0.8613
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.5506 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.4839 - accuracy: 0.8904
154/750 [====>.....] - ETA: 0s - loss: 0.4765 - accuracy: 0.8940
231/750 [=====>.....] - ETA: 0s - loss: 0.4770 - accuracy: 0.8937
309/750 [=====>.....] - ETA: 0s - loss: 0.4771 - accuracy: 0.8929
385/750 [=====>.....] - ETA: 0s - loss: 0.4749 - accuracy: 0.8934
464/750 [=====>.....] - ETA: 0s - loss: 0.4767 - accuracy: 0.8932
536/750 [=====>.....] - ETA: 0s - loss: 0.4763 - accuracy: 0.8932
612/750 [=====>.....] - ETA: 0s - loss: 0.4762 - accuracy: 0.8928
689/750 [=====>...] - ETA: 0s - loss: 0.4760 - accuracy: 0.8928
750/750 [=====] - 1s 806us/step - loss: 0.4772 - accuracy: 0.8923 - val_loss: 0.5178 - val_accuracy: 0.8777
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.4642 - accuracy: 0.8962
155/750 [====>.....] - ETA: 0s - loss: 0.4798 - accuracy: 0.8902
230/750 [=====>.....] - ETA: 0s - loss: 0.4733 - accuracy:

0.8932 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.4719 - accuracy:
0.8927 [=====>.....] - ETA: 0s - loss: 0.4728 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.4750 - accuracy:
0.8943 [=====>.....] - ETA: 0s - loss: 0.4748 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
0.8941 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
0.8932 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
0.8929 [=====>.....] - ETA: 0s - loss: 0.4754 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.4754 - accuracy:
0.8925 [=====>...] - ETA: 0s - loss: 0.4754 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.4741 - accuracy:
0.8931 - val_loss: 0.5134 - val_accuracy: 0.8794
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.4786 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.4614 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.4683 - accuracy:
0.8958 [==>.....] - ETA: 0s - loss: 0.4741 - accuracy:
153/750 [==>.....] - ETA: 0s - loss: 0.4733 - accuracy:
0.8934 [==>.....] - ETA: 0s - loss: 0.4724 - accuracy:
231/750 [==>.....] - ETA: 0s - loss: 0.4732 - accuracy:
0.8912 [==>.....] - ETA: 0s - loss: 0.4749 - accuracy:
311/750 [==>.....] - ETA: 0s - loss: 0.4741 - accuracy:
0.8920 [==>.....] - ETA: 0s - loss: 0.4725 - accuracy:
386/750 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
0.8922 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
465/750 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
0.8916 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
541/750 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
0.8913 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
619/750 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
0.8913 [==>.....] - ETA: 0s - loss: 0.4715 - accuracy:
696/750 [==>...] - ETA: 0s - loss: 0.4715 - accuracy:
0.8923 [==>...] - ETA: 0s - loss: 0.4715 - accuracy:
750/750 [=====] - 1s 797us/step - loss: 0.4715 - accuracy:
0.8929 - val_loss: 0.5097 - val_accuracy: 0.8792
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.6166 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.4612 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4678 - accuracy:
0.9006 [==>.....] - ETA: 0s - loss: 0.4679 - accuracy:
157/750 [==>.....] - ETA: 0s - loss: 0.4679 - accuracy:
0.8950 [==>.....] - ETA: 0s - loss: 0.4703 - accuracy:
236/750 [==>.....] - ETA: 0s - loss: 0.4703 - accuracy:
0.8943 [==>.....] - ETA: 0s - loss: 0.4703 - accuracy:
310/750 [==>.....] - ETA: 0s - loss: 0.4703 - accuracy:

0.8933 [=====>.....] - ETA: 0s - loss: 0.4662 - accuracy: 0.8945
467/750 [=====>.....] - ETA: 0s - loss: 0.4652 - accuracy: 0.8948
543/750 [=====>.....] - ETA: 0s - loss: 0.4658 - accuracy: 0.8946
621/750 [=====>.....] - ETA: 0s - loss: 0.4653 - accuracy: 0.8955
697/750 [=====>...] - ETA: 0s - loss: 0.4658 - accuracy: 0.8950
750/750 [=====] - 1s 797us/step - loss: 0.4669 - accuracy: 0.8942 - val_loss: 0.5222 - val_accuracy: 0.8771
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.4922 - accuracy: 0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.4589 - accuracy: 0.9002
155/750 [====>.....] - ETA: 0s - loss: 0.4641 - accuracy: 0.8983
231/750 [=====>.....] - ETA: 0s - loss: 0.4571 - accuracy: 0.8991
307/750 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy: 0.8975
387/750 [=====>.....] - ETA: 0s - loss: 0.4610 - accuracy: 0.8974
463/750 [=====>.....] - ETA: 0s - loss: 0.4651 - accuracy: 0.8954
539/750 [=====>.....] - ETA: 0s - loss: 0.4649 - accuracy: 0.8959
617/750 [=====>.....] - ETA: 0s - loss: 0.4675 - accuracy: 0.8945
694/750 [=====>...] - ETA: 0s - loss: 0.4658 - accuracy: 0.8951
750/750 [=====] - 1s 801us/step - loss: 0.4656 - accuracy: 0.8949 - val_loss: 0.5207 - val_accuracy: 0.8767
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.8750
79/750 [==>.....] - ETA: 0s - loss: 0.4626 - accuracy: 0.8924
154/750 [====>.....] - ETA: 0s - loss: 0.4606 - accuracy: 0.8958
233/750 [=====>.....] - ETA: 0s - loss: 0.4607 - accuracy: 0.8948
311/750 [=====>.....] - ETA: 0s - loss: 0.4649 - accuracy: 0.8944
385/750 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy:

0.8960
463/750 [=====>.....] - ETA: 0s - loss: 0.4632 - accuracy: 0.8947
542/750 [=====>.....] - ETA: 0s - loss: 0.4649 - accuracy: 0.8938
617/750 [=====>.....] - ETA: 0s - loss: 0.4618 - accuracy: 0.8950
693/750 [=====>...] - ETA: 0s - loss: 0.4620 - accuracy: 0.8948
750/750 [=====] - 1s 794us/step - loss: 0.4620 - accuracy: 0.8949 - val_loss: 0.5117 - val_accuracy: 0.8764
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.4395 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.4486 - accuracy: 0.9028
150/750 [====>.....] - ETA: 0s - loss: 0.4514 - accuracy: 0.9013
225/750 [=====>.....] - ETA: 0s - loss: 0.4522 - accuracy: 0.8992
297/750 [=====>.....] - ETA: 0s - loss: 0.4536 - accuracy: 0.8977
373/750 [=====>.....] - ETA: 0s - loss: 0.4618 - accuracy: 0.8941
452/750 [=====>.....] - ETA: 0s - loss: 0.4596 - accuracy: 0.8956
530/750 [=====>.....] - ETA: 0s - loss: 0.4595 - accuracy: 0.8959
606/750 [=====>.....] - ETA: 0s - loss: 0.4588 - accuracy: 0.8958
683/750 [=====>...] - ETA: 0s - loss: 0.4599 - accuracy: 0.8955
750/750 [=====] - 1s 809us/step - loss: 0.4581 - accuracy: 0.8965 - val_loss: 0.5038 - val_accuracy: 0.8820
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.5205 - accuracy: 0.8750
78/750 [==>.....] - ETA: 0s - loss: 0.4537 - accuracy: 0.9002
157/750 [====>.....] - ETA: 0s - loss: 0.4498 - accuracy: 0.9005
232/750 [=====>.....] - ETA: 0s - loss: 0.4497 - accuracy: 0.8992
311/750 [=====>.....] - ETA: 0s - loss: 0.4584 - accuracy: 0.8962
385/750 [=====>.....] - ETA: 0s - loss: 0.4589 - accuracy: 0.8963
457/750 [=====>.....] - ETA: 0s - loss: 0.4572 - accuracy:

0.8962 [=====>.....] - ETA: 0s - loss: 0.4574 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.4563 - accuracy:
0.8966 [=====>.....] - ETA: 0s - loss: 0.4548 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.4548 - accuracy:
0.8975 [=====>.....] - ETA: 0s - loss: 0.4548 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 0.4548 - accuracy:
0.8971 - val_loss: 0.5247 - val_accuracy: 0.8737
Epoch 45/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.4535 - accuracy:
0.8947 [=====>.....] - ETA: 0s - loss: 0.4470 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.4460 - accuracy:
0.8982 [=====>.....] - ETA: 0s - loss: 0.4468 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.4516 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.4532 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
0.8996 [=====>.....] - ETA: 0s - loss: 0.4522 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.4522 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
0.8978 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
673/750 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
0.8976 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
749/750 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.4525 - accuracy:
750/750 [=====>.....] - 1s 817us/step - loss: 0.4525 - accuracy:
0.8972 - val_loss: 0.4980 - val_accuracy: 0.8811
Epoch 46/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3959 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.4357 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.4420 - accuracy:
0.9036 [=====>.....] - ETA: 0s - loss: 0.4492 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.4468 - accuracy:
0.9009 [=====>.....] - ETA: 0s - loss: 0.4478 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy:

0.8993 [=====>.....] - ETA: 0s - loss: 0.4496 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.4496 - accuracy:
0.8981 [=====>.....] - ETA: 0s - loss: 0.4499 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.4499 - accuracy:
0.8981 [=====>.....] - ETA: 0s - loss: 0.4493 - accuracy:
682/750 [=====>...] - ETA: 0s - loss: 0.4493 - accuracy:
0.8982 [=====>...] - ETA: 0s - loss: 0.4489 - accuracy:
750/750 [=====] - 1s 808us/step - loss: 0.4489 - accuracy:
0.8984 - val_loss: 0.4993 - val_accuracy: 0.8786
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.6884 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.4313 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4313 - accuracy:
0.9020 [==>.....] - ETA: 0s - loss: 0.4388 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.4388 - accuracy:
0.9006 [====>.....] - ETA: 0s - loss: 0.4486 - accuracy:
235/750 [=====>.....] - ETA: 0s - loss: 0.4486 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.4437 - accuracy:
312/750 [=====>.....] - ETA: 0s - loss: 0.4437 - accuracy:
0.9002 [=====>.....] - ETA: 0s - loss: 0.4448 - accuracy:
389/750 [=====>.....] - ETA: 0s - loss: 0.4448 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.4422 - accuracy:
466/750 [=====>.....] - ETA: 0s - loss: 0.4422 - accuracy:
0.9010 [=====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
543/750 [=====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.8990 [=====>.....] - ETA: 0s - loss: 0.4461 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.4461 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
697/750 [=====>...] - ETA: 0s - loss: 0.4474 - accuracy:
0.8987 [=====>...] - ETA: 0s - loss: 0.4471 - accuracy:
750/750 [=====] - 1s 796us/step - loss: 0.4471 - accuracy:
0.8988 - val_loss: 0.5141 - val_accuracy: 0.8766
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.4161 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4495 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4495 - accuracy:
0.8972 [==>.....] - ETA: 0s - loss: 0.4558 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.4558 - accuracy:
0.8977 [====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
0.9003 [=====>.....] - ETA: 0s - loss: 0.4445 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.4445 - accuracy:
0.9003 [=====>.....] - ETA: 0s - loss: 0.4443 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.4443 - accuracy:
0.9008 [=====>.....] - ETA: 0s - loss: 0.4452 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.4452 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.4451 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.4451 - accuracy:

0.9000
598/750 [=====>.....] - ETA: 0s - loss: 0.4445 - accuracy:
0.9000
675/750 [=====>...] - ETA: 0s - loss: 0.4436 - accuracy:
0.8997
750/750 [=====] - ETA: 0s - loss: 0.4441 - accuracy:
0.8995
750/750 [=====] - 1s 818us/step - loss: 0.4441 - accuracy:
0.8995 - val_loss: 0.4930 - val_accuracy: 0.8834
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.4389 - accuracy:
0.9062
75/750 [==>.....] - ETA: 0s - loss: 0.4284 - accuracy:
0.9015
148/750 [===>.....] - ETA: 0s - loss: 0.4340 - accuracy:
0.9026
223/750 [=====>.....] - ETA: 0s - loss: 0.4413 - accuracy:
0.9007
296/750 [=====>.....] - ETA: 0s - loss: 0.4395 - accuracy:
0.9003
371/750 [=====>.....] - ETA: 0s - loss: 0.4421 - accuracy:
0.8998
448/750 [=====>.....] - ETA: 0s - loss: 0.4418 - accuracy:
0.8998
522/750 [=====>.....] - ETA: 0s - loss: 0.4392 - accuracy:
0.9007
601/750 [=====>.....] - ETA: 0s - loss: 0.4404 - accuracy:
0.9002
677/750 [=====>...] - ETA: 0s - loss: 0.4408 - accuracy:
0.9002
750/750 [=====] - 1s 814us/step - loss: 0.4420 - accuracy:
0.8997 - val_loss: 0.4900 - val_accuracy: 0.8819
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.4429 - accuracy:
0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.4430 - accuracy:
0.8960
145/750 [===>.....] - ETA: 0s - loss: 0.4420 - accuracy:
0.8966
216/750 [=====>.....] - ETA: 0s - loss: 0.4417 - accuracy:
0.8974
288/750 [=====>.....] - ETA: 0s - loss: 0.4441 - accuracy:
0.8982
365/750 [=====>.....] - ETA: 0s - loss: 0.4435 - accuracy:
0.8983
440/750 [=====>.....] - ETA: 0s - loss: 0.4459 - accuracy:
0.8979
518/750 [=====>.....] - ETA: 0s - loss: 0.4445 - accuracy:

0.8981 [=====>.....] - ETA: 0s - loss: 0.4436 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.4436 - accuracy:
0.8985 [=====>....] - ETA: 0s - loss: 0.4419 - accuracy:
673/750 [=====>.] - ETA: 0s - loss: 0.4405 - accuracy:
0.8988 [=====] - 1s 821us/step - loss: 0.4406 - accuracy:
749/750 [=====] - 1s 821us/step - loss: 0.4406 - accuracy:
0.8997 - val_loss: 0.4919 - val_accuracy: 0.8841
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.4648 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.4389 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4389 - accuracy:
0.9006 [====>.....] - ETA: 0s - loss: 0.4308 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.4308 - accuracy:
0.9034 [=====>.....] - ETA: 0s - loss: 0.4311 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.4325 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.4325 - accuracy:
0.9033 [=====>.....] - ETA: 0s - loss: 0.4318 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.4318 - accuracy:
0.9035 [=====>.....] - ETA: 0s - loss: 0.4344 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.4344 - accuracy:
0.9028 [=====>.....] - ETA: 0s - loss: 0.4353 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.4353 - accuracy:
0.9023 [=====>.....] - ETA: 0s - loss: 0.4354 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.4354 - accuracy:
0.9020 [=====>...] - ETA: 0s - loss: 0.4360 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.4360 - accuracy:
0.9017 [=====] - 1s 802us/step - loss: 0.4363 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.4363 - accuracy:
0.9012 - val_loss: 0.4861 - val_accuracy: 0.8836
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.4631 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.4232 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4232 - accuracy:
0.9008 [====>.....] - ETA: 0s - loss: 0.4296 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.4296 - accuracy:
0.9018 [=====>.....] - ETA: 0s - loss: 0.4344 - accuracy:
235/750 [=====>.....] - ETA: 0s - loss: 0.4344 - accuracy:
0.8999 [=====>.....] - ETA: 0s - loss: 0.4333 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.4333 - accuracy:
0.9007 [=====>.....] - ETA: 0s - loss: 0.4330 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.4330 - accuracy:
0.9010 [=====>.....] - ETA: 0s - loss: 0.4354 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.4354 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.4362 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.4362 - accuracy:

0.9004 [=====>.....] - ETA: 0s - loss: 0.4370 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.4370 - accuracy:
0.9003 [=====>.....] - ETA: 0s - loss: 0.4370 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.4341 - accuracy:
0.9014 [=====>.....] - ETA: 0s - loss: 0.4341 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.4352 - accuracy:
0.9010 - val_loss: 0.4937 - val_accuracy: 0.8800
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.4109 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4109 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.4338 - accuracy:
0.9044 [==>.....] - ETA: 0s - loss: 0.4338 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.4324 - accuracy:
0.9024 [====>.....] - ETA: 0s - loss: 0.4324 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.4345 - accuracy:
0.9012 [=====>.....] - ETA: 0s - loss: 0.4345 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.4336 - accuracy:
0.9032 [=====>.....] - ETA: 0s - loss: 0.4336 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.4313 - accuracy:
0.9045 [=====>.....] - ETA: 0s - loss: 0.4313 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.4308 - accuracy:
0.9041 [=====>.....] - ETA: 0s - loss: 0.4308 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.4311 - accuracy:
0.9037 [=====>.....] - ETA: 0s - loss: 0.4311 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.4321 - accuracy:
0.9030 [=====>.....] - ETA: 0s - loss: 0.4321 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.4315 - accuracy:
0.9027 [=====>...] - ETA: 0s - loss: 0.4315 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.4327 - accuracy:
0.9021 - val_loss: 0.4881 - val_accuracy: 0.8825
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3367 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.4437 - accuracy:
0.8939 [==>.....] - ETA: 0s - loss: 0.4437 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.4264 - accuracy:
0.9029 [====>.....] - ETA: 0s - loss: 0.4264 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.4264 - accuracy:
0.9035 [=====>.....] - ETA: 0s - loss: 0.4264 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.4267 - accuracy:
0.9047 [=====>.....] - ETA: 0s - loss: 0.4267 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.4261 - accuracy:
0.9046 [=====>.....] - ETA: 0s - loss: 0.4261 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.4258 - accuracy:
0.9043 [=====>.....] - ETA: 0s - loss: 0.4258 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.4256 - accuracy:
0.9042 [=====>.....] - ETA: 0s - loss: 0.4256 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.4286 - accuracy:

0.9033 [=====] - ETA: 0s - loss: 0.4292 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.4292 - accuracy:
0.9030 [=====] - ETA: 0s - loss: 0.4292 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.4306 - accuracy:
0.9023 - val_loss: 0.4928 - val_accuracy: 0.8829
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.3509 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3509 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4232 - accuracy:
0.9093 [.....] - ETA: 0s - loss: 0.4232 - accuracy:
158/750 [====>.....] - ETA: 0s - loss: 0.4203 - accuracy:
0.9075 [.....] - ETA: 0s - loss: 0.4203 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.4191 - accuracy:
0.9079 [.....] - ETA: 0s - loss: 0.4191 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.4195 - accuracy:
0.9073 [.....] - ETA: 0s - loss: 0.4195 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.4214 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4214 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.4235 - accuracy:
0.9051 [.....] - ETA: 0s - loss: 0.4235 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.4234 - accuracy:
0.9051 [.....] - ETA: 0s - loss: 0.4234 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.4260 - accuracy:
0.9039 [.....] - ETA: 0s - loss: 0.4260 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.4277 - accuracy:
0.9031 [.....] - ETA: 0s - loss: 0.4277 - accuracy:
750/750 [=====] - 1s 797us/step - loss: 0.4276 - accuracy:
0.9028 - val_loss: 0.5109 - val_accuracy: 0.8744
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.5038 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5038 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.4282 - accuracy:
0.9051 [.....] - ETA: 0s - loss: 0.4282 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.4221 - accuracy:
0.9059 [.....] - ETA: 0s - loss: 0.4221 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.4233 - accuracy:
0.9040 [.....] - ETA: 0s - loss: 0.4233 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.4232 - accuracy:
0.9040 [.....] - ETA: 0s - loss: 0.4232 - accuracy:
389/750 [=====>.....] - ETA: 0s - loss: 0.4235 - accuracy:
0.9047 [.....] - ETA: 0s - loss: 0.4235 - accuracy:
466/750 [=====>.....] - ETA: 0s - loss: 0.4268 - accuracy:
0.9037 [.....] - ETA: 0s - loss: 0.4268 - accuracy:
544/750 [=====>.....] - ETA: 0s - loss: 0.4261 - accuracy:
0.9037 [.....] - ETA: 0s - loss: 0.4261 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.4266 - accuracy:
0.9037 [.....] - ETA: 0s - loss: 0.4266 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.4253 - accuracy:

0.9046
750/750 [=====] - 1s 794us/step - loss: 0.4261 - accuracy:
0.9040 - val_loss: 0.4827 - val_accuracy: 0.8838
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.3580 - accuracy:
0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.4258 - accuracy:
0.9044
154/750 [=====>.....] - ETA: 0s - loss: 0.4294 - accuracy:
0.9035
232/750 [=====>.....] - ETA: 0s - loss: 0.4230 - accuracy:
0.9041
308/750 [======>.....] - ETA: 0s - loss: 0.4232 - accuracy:
0.9037
384/750 [======>.....] - ETA: 0s - loss: 0.4242 - accuracy:
0.9039
462/750 [======>.....] - ETA: 0s - loss: 0.4258 - accuracy:
0.9024
541/750 [======>.....] - ETA: 0s - loss: 0.4227 - accuracy:
0.9036
618/750 [======>.....] - ETA: 0s - loss: 0.4227 - accuracy:
0.9043
694/750 [======>...] - ETA: 0s - loss: 0.4245 - accuracy:
0.9034
750/750 [=====] - 1s 800us/step - loss: 0.4245 - accuracy:
0.9037 - val_loss: 0.4751 - val_accuracy: 0.8857
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.3496 - accuracy:
0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.4157 - accuracy:
0.9038
155/750 [=====>.....] - ETA: 0s - loss: 0.4188 - accuracy:
0.9053
231/750 [=====>.....] - ETA: 0s - loss: 0.4179 - accuracy:
0.9073
309/750 [======>.....] - ETA: 0s - loss: 0.4172 - accuracy:
0.9074
385/750 [======>.....] - ETA: 0s - loss: 0.4203 - accuracy:
0.9057
461/750 [======>.....] - ETA: 0s - loss: 0.4221 - accuracy:
0.9050
541/750 [======>.....] - ETA: 0s - loss: 0.4232 - accuracy:
0.9042
617/750 [======>.....] - ETA: 0s - loss: 0.4246 - accuracy:
0.9042
693/750 [======>...] - ETA: 0s - loss: 0.4238 - accuracy:
0.9040
750/750 [=====] - 1s 800us/step - loss: 0.4226 - accuracy:

0.9046 - val_loss: 0.4766 - val_accuracy: 0.8850
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.3888 - accuracy:
0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.4032 - accuracy:
0.9119
154/750 [====>.....] - ETA: 0s - loss: 0.4194 - accuracy:
0.9051
230/750 [=====>.....] - ETA: 0s - loss: 0.4203 - accuracy:
0.9051
307/750 [======>.....] - ETA: 0s - loss: 0.4193 - accuracy:
0.9057
385/750 [======>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9058
463/750 [======>.....] - ETA: 0s - loss: 0.4195 - accuracy:
0.9051
538/750 [======>.....] - ETA: 0s - loss: 0.4192 - accuracy:
0.9053
616/750 [======>.....] - ETA: 0s - loss: 0.4187 - accuracy:
0.9053
693/750 [======>...] - ETA: 0s - loss: 0.4198 - accuracy:
0.9051
750/750 [=====] - 1s 800us/step - loss: 0.4196 - accuracy:
0.9053 - val_loss: 0.4949 - val_accuracy: 0.8789
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.4051 - accuracy:
0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.4239 - accuracy:
0.9004
153/750 [====>.....] - ETA: 0s - loss: 0.4134 - accuracy:
0.9062
229/750 [=====>.....] - ETA: 0s - loss: 0.4169 - accuracy:
0.9056
306/750 [======>.....] - ETA: 0s - loss: 0.4166 - accuracy:
0.9052
383/750 [======>.....] - ETA: 0s - loss: 0.4185 - accuracy:
0.9045
460/750 [======>.....] - ETA: 0s - loss: 0.4181 - accuracy:
0.9050
538/750 [======>.....] - ETA: 0s - loss: 0.4202 - accuracy:
0.9044
615/750 [======>.....] - ETA: 0s - loss: 0.4196 - accuracy:
0.9049
693/750 [======>...] - ETA: 0s - loss: 0.4186 - accuracy:
0.9057
750/750 [=====] - 1s 797us/step - loss: 0.4183 - accuracy:
0.9054 - val_loss: 0.4752 - val_accuracy: 0.8869
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.4060 - accuracy: 0.9127
154/750 [=====>.....] - ETA: 0s - loss: 0.4080 - accuracy: 0.9086
216/750 [=====>.....] - ETA: 0s - loss: 0.4118 - accuracy: 0.9076
292/750 [======>.....] - ETA: 0s - loss: 0.4132 - accuracy: 0.9075
368/750 [======>.....] - ETA: 0s - loss: 0.4121 - accuracy: 0.9082
446/750 [======>.....] - ETA: 0s - loss: 0.4141 - accuracy: 0.9075
523/750 [======>.....] - ETA: 0s - loss: 0.4172 - accuracy: 0.9065
601/750 [======>.....] - ETA: 0s - loss: 0.4186 - accuracy: 0.9059
678/750 [======>...] - ETA: 0s - loss: 0.4164 - accuracy: 0.9065
750/750 [=====] - 1s 812us/step - loss: 0.4166 - accuracy: 0.9065 - val_loss: 0.4743 - val_accuracy: 0.8864
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.3210 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.4155 - accuracy: 0.9071
155/750 [=====>.....] - ETA: 0s - loss: 0.4163 - accuracy: 0.9078
231/750 [=====>.....] - ETA: 0s - loss: 0.4205 - accuracy: 0.9053
308/750 [======>.....] - ETA: 0s - loss: 0.4155 - accuracy: 0.9064
385/750 [======>.....] - ETA: 0s - loss: 0.4120 - accuracy: 0.9075
462/750 [======>.....] - ETA: 0s - loss: 0.4126 - accuracy: 0.9075
538/750 [======>.....] - ETA: 0s - loss: 0.4150 - accuracy: 0.9062
616/750 [======>.....] - ETA: 0s - loss: 0.4162 - accuracy: 0.9056
691/750 [======>...] - ETA: 0s - loss: 0.4165 - accuracy: 0.9055
750/750 [=====] - 1s 801us/step - loss: 0.4168 - accuracy: 0.9050 - val_loss: 0.4951 - val_accuracy: 0.8797
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.5685 - accuracy:

0.8438
79/750 [==>.....] - ETA: 0s - loss: 0.4180 - accuracy: 0.9041
156/750 [=====>.....] - ETA: 0s - loss: 0.4143 - accuracy: 0.9059
233/750 [=====>.....] - ETA: 0s - loss: 0.4098 - accuracy: 0.9076
310/750 [======>.....] - ETA: 0s - loss: 0.4122 - accuracy: 0.9070
385/750 [======>.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.9086
463/750 [======>.....] - ETA: 0s - loss: 0.4106 - accuracy: 0.9080
540/750 [======>.....] - ETA: 0s - loss: 0.4121 - accuracy: 0.9076
614/750 [======>.....] - ETA: 0s - loss: 0.4153 - accuracy: 0.9064
692/750 [======>...] - ETA: 0s - loss: 0.4142 - accuracy: 0.9062
750/750 [=====] - 1s 801us/step - loss: 0.4133 - accuracy: 0.9066 - val_loss: 0.5251 - val_accuracy: 0.8698
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.4110 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.4328 - accuracy: 0.9002
155/750 [=====>.....] - ETA: 0s - loss: 0.4194 - accuracy: 0.9041
234/750 [=====>.....] - ETA: 0s - loss: 0.4117 - accuracy: 0.9081
311/750 [======>.....] - ETA: 0s - loss: 0.4138 - accuracy: 0.9060
389/750 [======>.....] - ETA: 0s - loss: 0.4121 - accuracy: 0.9067
466/750 [======>.....] - ETA: 0s - loss: 0.4119 - accuracy: 0.9068
544/750 [======>.....] - ETA: 0s - loss: 0.4117 - accuracy: 0.9070
622/750 [======>.....] - ETA: 0s - loss: 0.4131 - accuracy: 0.9065
696/750 [======>...] - ETA: 0s - loss: 0.4121 - accuracy: 0.9070
750/750 [=====] - 1s 800us/step - loss: 0.4119 - accuracy: 0.9073 - val_loss: 0.4689 - val_accuracy: 0.8851
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.3079 - accuracy: 0.9375
79/750 [==>.....] - ETA: 0s - loss: 0.4131 - accuracy:

0.9070
154/750 [====>.....] - ETA: 0s - loss: 0.4137 - accuracy:
0.9091
231/750 [=====>.....] - ETA: 0s - loss: 0.4176 - accuracy:
0.9069
309/750 [=====>.....] - ETA: 0s - loss: 0.4149 - accuracy:
0.9068
384/750 [=====>.....] - ETA: 0s - loss: 0.4126 - accuracy:
0.9072
460/750 [=====>.....] - ETA: 0s - loss: 0.4144 - accuracy:
0.9064
537/750 [=====>.....] - ETA: 0s - loss: 0.4144 - accuracy:
0.9067
614/750 [=====>.....] - ETA: 0s - loss: 0.4142 - accuracy:
0.9064
690/750 [=====>...] - ETA: 0s - loss: 0.4116 - accuracy:
0.9071
750/750 [=====>] - 1s 804us/step - loss: 0.4103 - accuracy:
0.9071 - val_loss: 0.4969 - val_accuracy: 0.8758
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.3722 - accuracy:
0.9375
79/750 [==>.....] - ETA: 0s - loss: 0.3995 - accuracy:
0.9100
152/750 [====>.....] - ETA: 0s - loss: 0.4001 - accuracy:
0.9097
229/750 [=====>.....] - ETA: 0s - loss: 0.3998 - accuracy:
0.9109
307/750 [=====>.....] - ETA: 0s - loss: 0.4032 - accuracy:
0.9095
381/750 [=====>.....] - ETA: 0s - loss: 0.4037 - accuracy:
0.9092
460/750 [=====>.....] - ETA: 0s - loss: 0.4063 - accuracy:
0.9091
537/750 [=====>.....] - ETA: 0s - loss: 0.4044 - accuracy:
0.9096
614/750 [=====>.....] - ETA: 0s - loss: 0.4062 - accuracy:
0.9091
693/750 [=====>...] - ETA: 0s - loss: 0.4076 - accuracy:
0.9088
750/750 [=====>] - 1s 809us/step - loss: 0.4087 - accuracy:
0.9082 - val_loss: 0.4673 - val_accuracy: 0.8882
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.4003 - accuracy:
0.9085
153/750 [====>.....] - ETA: 0s - loss: 0.4056 - accuracy:

0.9096 [=====>.....] - ETA: 0s - loss: 0.4078 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.4078 - accuracy:
0.9075 [=====>.....] - ETA: 0s - loss: 0.4059 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.4059 - accuracy:
0.9077 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
0.9081 [=====>.....] - ETA: 0s - loss: 0.4075 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.4075 - accuracy:
0.9079 [=====>.....] - ETA: 0s - loss: 0.4073 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.4073 - accuracy:
0.9080 [=====>.....] - ETA: 0s - loss: 0.4075 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.4075 - accuracy:
0.9077 [=====>.....] - ETA: 0s - loss: 0.4079 - accuracy:
687/750 [=====>...] - ETA: 0s - loss: 0.4079 - accuracy:
0.9077 [=====>...] - ETA: 0s - loss: 0.4075 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.4075 - accuracy:
0.9076 - val_loss: 0.4677 - val_accuracy: 0.8880
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.3852 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3973 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3973 - accuracy:
0.9146 [==>.....] - ETA: 0s - loss: 0.4061 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.4061 - accuracy:
0.9097 [====>.....] - ETA: 0s - loss: 0.4045 - accuracy:
233/750 [====>.....] - ETA: 0s - loss: 0.4045 - accuracy:
0.9093 [====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
310/750 [====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
0.9101 [====>.....] - ETA: 0s - loss: 0.4023 - accuracy:
387/750 [====>.....] - ETA: 0s - loss: 0.4023 - accuracy:
0.9098 [====>.....] - ETA: 0s - loss: 0.4055 - accuracy:
464/750 [====>.....] - ETA: 0s - loss: 0.4055 - accuracy:
0.9088 [====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
542/750 [====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
0.9083 [====>.....] - ETA: 0s - loss: 0.4068 - accuracy:
617/750 [====>.....] - ETA: 0s - loss: 0.4068 - accuracy:
0.9084 [====>.....] - ETA: 0s - loss: 0.4063 - accuracy:
693/750 [====>...] - ETA: 0s - loss: 0.4063 - accuracy:
0.9080 [====>...] - ETA: 0s - loss: 0.4059 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.4059 - accuracy:
0.9084 - val_loss: 0.4882 - val_accuracy: 0.8791
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.4215 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3968 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3968 - accuracy:
0.9113 [==>.....] - ETA: 0s - loss: 0.4010 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
0.9096 [====>.....] - ETA: 0s - loss: 0.4045 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.4045 - accuracy:

0.9085 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.4079 - accuracy:
0.9079 [=====>.....] - ETA: 0s - loss: 0.4079 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.4079 - accuracy:
0.9080 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
0.9089 [=====>.....] - ETA: 0s - loss: 0.4040 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.4040 - accuracy:
0.9095 [=====>.....] - ETA: 0s - loss: 0.4036 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.4036 - accuracy:
0.9096 [=====>.....] - ETA: 0s - loss: 0.4025 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.4025 - accuracy:
0.9100 [=====>...] - ETA: 0s - loss: 0.4040 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.4040 - accuracy:
0.9093 - val_loss: 0.4902 - val_accuracy: 0.8776
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.4479 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3873 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3873 - accuracy:
0.9123 [==>.....] - ETA: 0s - loss: 0.3960 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3960 - accuracy:
0.9095 [====>.....] - ETA: 0s - loss: 0.3984 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.3984 - accuracy:
0.9102 [=====>.....] - ETA: 0s - loss: 0.3960 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3960 - accuracy:
0.9130 [=====>.....] - ETA: 0s - loss: 0.4022 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.4022 - accuracy:
0.9107 [=====>.....] - ETA: 0s - loss: 0.4020 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.4020 - accuracy:
0.9105 [=====>.....] - ETA: 0s - loss: 0.4017 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.4017 - accuracy:
0.9105 [=====>.....] - ETA: 0s - loss: 0.4019 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.4019 - accuracy:
0.9107 [=====>.....] - ETA: 0s - loss: 0.4021 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.4021 - accuracy:
0.9106 [=====>...] - ETA: 0s - loss: 0.4028 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.4028 - accuracy:
0.9103 - val_loss: 0.4668 - val_accuracy: 0.8887
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.4045 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3962 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3962 - accuracy:
0.9139 [==>.....] - ETA: 0s - loss: 0.4058 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.4058 - accuracy:
0.9106 [====>.....] - ETA: 0s - loss: 0.4017 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.4017 - accuracy:
0.9100 [=====>.....] - ETA: 0s - loss: 0.4040 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.4040 - accuracy:

0.9080 [=====>.....] - ETA: 0s - loss: 0.4017 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.4017 - accuracy:
0.9094 [=====>.....] - ETA: 0s - loss: 0.4011 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.4011 - accuracy:
0.9100 [=====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
0.9102 [=====>.....] - ETA: 0s - loss: 0.3992 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3992 - accuracy:
0.9111 [=====>.....] - ETA: 0s - loss: 0.4004 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.4004 - accuracy:
0.9108 [=====>...] - ETA: 0s - loss: 0.4006 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.4006 - accuracy:
0.9110 - val_loss: 0.4740 - val_accuracy: 0.8837
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.3595 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4040 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.4040 - accuracy:
0.9077 [==>.....] - ETA: 0s - loss: 0.4018 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.4018 - accuracy:
0.9083 [====>.....] - ETA: 0s - loss: 0.4060 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.4060 - accuracy:
0.9069 [=====>.....] - ETA: 0s - loss: 0.3971 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3971 - accuracy:
0.9108 [=====>.....] - ETA: 0s - loss: 0.3980 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3980 - accuracy:
0.9099 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
0.9093 [=====>.....] - ETA: 0s - loss: 0.4003 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.4003 - accuracy:
0.9094 [=====>.....] - ETA: 0s - loss: 0.3997 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3997 - accuracy:
0.9099 [=====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
680/750 [=====>...] - ETA: 0s - loss: 0.4013 - accuracy:
0.9089 [=====>...] - ETA: 0s - loss: 0.4012 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.4012 - accuracy:
0.9095 - val_loss: 0.4808 - val_accuracy: 0.8811
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.3554 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3991 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3991 - accuracy:
0.9132 [==>.....] - ETA: 0s - loss: 0.3910 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9153 [====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
0.9120 [=====>.....] - ETA: 0s - loss: 0.3951 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3951 - accuracy:
0.9127 [=====>.....] - ETA: 0s - loss: 0.3985 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3985 - accuracy:

0.9107 [=====>.....] - ETA: 0s - loss: 0.3970 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.3970 - accuracy:
0.9113 [=====>.....] - ETA: 0s - loss: 0.3979 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3979 - accuracy:
0.9106 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
0.9093 [=====>.....] - ETA: 0s - loss: 0.3997 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.3997 - accuracy:
0.9106 [=====>....] - ETA: 0s - loss: 0.3989 - accuracy:
747/750 [=====>.] - ETA: 0s - loss: 0.3989 - accuracy:
0.9110 [=====>.] - ETA: 0s - loss: 0.3985 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.3985 - accuracy:
0.9112 - val_loss: 0.4633 - val_accuracy: 0.8888
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.2560 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3834 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9134 [==>.....] - ETA: 0s - loss: 0.3864 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.3864 - accuracy:
0.9152 [===>.....] - ETA: 0s - loss: 0.3869 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3869 - accuracy:
0.9153 [=====>.....] - ETA: 0s - loss: 0.3928 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3928 - accuracy:
0.9138 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
0.9133 [=====>.....] - ETA: 0s - loss: 0.3941 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3941 - accuracy:
0.9126 [=====>.....] - ETA: 0s - loss: 0.3954 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3954 - accuracy:
0.9119 [=====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
597/750 [=====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
0.9111 [=====>.....] - ETA: 0s - loss: 0.3951 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.3951 - accuracy:
0.9118 [=====>....] - ETA: 0s - loss: 0.3966 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.3966 - accuracy:
0.9113 [=====>.] - ETA: 0s - loss: 0.3973 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.3973 - accuracy:
0.9111 - val_loss: 0.4708 - val_accuracy: 0.8876
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.3492 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3938 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3938 - accuracy:
0.9143 [=>.....] - ETA: 0s - loss: 0.3867 - accuracy:
150/750 [===>.....] - ETA: 0s - loss: 0.3867 - accuracy:
0.9157 [===>.....] - ETA: 0s - loss: 0.3891 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3891 - accuracy:
0.9146 [=====>.....] - ETA: 0s - loss: 0.3912 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3912 - accuracy:

0.9131 [.....] - ETA: 0s - loss: 0.3927 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3927 - accuracy:
0.9123 [.....] - ETA: 0s - loss: 0.3908 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy:
0.9136 [.....] - ETA: 0s - loss: 0.3937 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.3937 - accuracy:
0.9120 [.....] - ETA: 0s - loss: 0.3936 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.3936 - accuracy:
0.9123 [.....] - ETA: 0s - loss: 0.3944 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.3944 - accuracy:
0.9126 [.....] - ETA: 0s - loss: 0.3951 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.3951 - accuracy:
0.9125 [.....] - 1s 829us/step - loss: 0.3954 - accuracy:
0.9125 - val_loss: 0.4831 - val_accuracy: 0.8773
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.4299 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.3989 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3989 - accuracy:
0.9071 [.....] - ETA: 0s - loss: 0.4011 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4011 - accuracy:
0.9080 [.....] - ETA: 0s - loss: 0.3931 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3931 - accuracy:
0.9110 [.....] - ETA: 0s - loss: 0.3922 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:
0.9117 [.....] - ETA: 0s - loss: 0.3938 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.3938 - accuracy:
0.9113 [.....] - ETA: 0s - loss: 0.3951 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3951 - accuracy:
0.9114 [.....] - ETA: 0s - loss: 0.3936 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3936 - accuracy:
0.9120 [.....] - ETA: 0s - loss: 0.3935 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
0.9119 [.....] - ETA: 0s - loss: 0.3948 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.3948 - accuracy:
0.9118 [.....] - ETA: 0s - loss: 0.3955 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.3955 - accuracy:
0.9116 [.....] - 1s 830us/step - loss: 0.3956 - accuracy:
750/750 [=====] - 1s 830us/step - loss: 0.3956 - accuracy:
0.9115 - val_loss: 0.4855 - val_accuracy: 0.8816
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.5612 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.4152 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.4152 - accuracy:
0.9034 [.....] - ETA: 0s - loss: 0.4056 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.4056 - accuracy:
0.9068 [.....] - ETA: 0s - loss: 0.4002 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.4002 - accuracy:

0.9075 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
0.9081 [=====>.....] - ETA: 0s - loss: 0.3949 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3949 - accuracy:
0.9091 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
0.9092 [=====>.....] - ETA: 0s - loss: 0.3956 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3956 - accuracy:
0.9099 [=====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
0.9107 [=====>.....] - ETA: 0s - loss: 0.3945 - accuracy:
663/750 [=====>....] - ETA: 0s - loss: 0.3945 - accuracy:
0.9112 [=====>....] - ETA: 0s - loss: 0.3934 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.3934 - accuracy:
0.9117 [=====>.] - ETA: 0s - loss: 0.3934 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3934 - accuracy:
0.9117 - val_loss: 0.4658 - val_accuracy: 0.8864
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3848 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3848 - accuracy:
0.9150 [==>.....] - ETA: 0s - loss: 0.3880 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3880 - accuracy:
0.9126 [====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
0.9117 [=====>.....] - ETA: 0s - loss: 0.3893 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3893 - accuracy:
0.9125 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
0.9119 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
0.9119 [=====>.....] - ETA: 0s - loss: 0.3931 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.3931 - accuracy:
0.9123 [=====>.....] - ETA: 0s - loss: 0.3917 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.3917 - accuracy:
0.9129 [=====>.....] - ETA: 0s - loss: 0.3904 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.3904 - accuracy:
0.9134 [=====>....] - ETA: 0s - loss: 0.3915 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.3915 - accuracy:
0.9129 [=====>.] - ETA: 0s - loss: 0.3913 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.3913 - accuracy:
0.9130 - val_loss: 0.4619 - val_accuracy: 0.8853
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.4204 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3852 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3852 - accuracy:
0.9108 [==>.....] - ETA: 0s - loss: 0.3831 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3831 - accuracy:

0.9140 [=====>.....] - ETA: 0s - loss: 0.3850 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3850 - accuracy:
0.9144 [=====>.....] - ETA: 0s - loss: 0.3857 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3857 - accuracy:
0.9133 [=====>.....] - ETA: 0s - loss: 0.3867 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3867 - accuracy:
0.9132 [=====>.....] - ETA: 0s - loss: 0.3880 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3880 - accuracy:
0.9132 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
0.9127 [=====>.....] - ETA: 0s - loss: 0.3907 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.3907 - accuracy:
0.9125 [=====>.....] - ETA: 0s - loss: 0.3914 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.3914 - accuracy:
0.9121 [=====>....] - ETA: 0s - loss: 0.3914 - accuracy:
748/750 [=====>.] - ETA: 0s - loss: 0.3914 - accuracy:
0.9124 [=====>.] - ETA: 0s - loss: 0.3914 - accuracy:
750/750 [=====] - 1s 821us/step - loss: 0.3914 - accuracy:
0.9124 - val_loss: 0.4780 - val_accuracy: 0.8827
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.4085 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3954 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3954 - accuracy:
0.9114 [==>.....] - ETA: 0s - loss: 0.3958 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3958 - accuracy:
0.9122 [====>.....] - ETA: 0s - loss: 0.3930 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3930 - accuracy:
0.9140 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy:
0.9148 [=====>.....] - ETA: 0s - loss: 0.3891 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3891 - accuracy:
0.9148 [=====>.....] - ETA: 0s - loss: 0.3897 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3897 - accuracy:
0.9144 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
0.9142 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
0.9144 [=====>.....] - ETA: 0s - loss: 0.3895 - accuracy:
682/750 [=====>....] - ETA: 0s - loss: 0.3895 - accuracy:
0.9141 [=====>....] - ETA: 0s - loss: 0.3906 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3906 - accuracy:
0.9139 - val_loss: 0.4761 - val_accuracy: 0.8798
Epoch 81/220

1/750 [.....] - ETA: 1s - loss: 0.3430 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3773 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.3773 - accuracy:
0.9149 [=>.....] - ETA: 0s - loss: 0.3884 - accuracy:
145/750 [===>.....] - ETA: 0s - loss: 0.3884 - accuracy:

0.9127 [.....] - ETA: 0s - loss: 0.3883 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy:
0.9130 [.....] - ETA: 0s - loss: 0.3844 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3844 - accuracy:
0.9138 [.....] - ETA: 0s - loss: 0.3845 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3845 - accuracy:
0.9134 [.....] - ETA: 0s - loss: 0.3853 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
0.9133 [.....] - ETA: 0s - loss: 0.3875 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3875 - accuracy:
0.9124 [.....] - ETA: 0s - loss: 0.3852 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3852 - accuracy:
0.9137 [.....] - ETA: 0s - loss: 0.3873 - accuracy:
683/750 [=====>...] - ETA: 0s - loss: 0.3873 - accuracy:
0.9130 [.....] - ETA: 0s - loss: 0.3882 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.3882 - accuracy:
0.9127 - val_loss: 0.4711 - val_accuracy: 0.8847
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.2617 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3687 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9209 [.....] - ETA: 0s - loss: 0.3783 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.3783 - accuracy:
0.9179 [.....] - ETA: 0s - loss: 0.3867 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3867 - accuracy:
0.9151 [.....] - ETA: 0s - loss: 0.3824 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3824 - accuracy:
0.9168 [.....] - ETA: 0s - loss: 0.3834 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9162 [.....] - ETA: 0s - loss: 0.3853 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
0.9150 [.....] - ETA: 0s - loss: 0.3892 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
0.9135 [.....] - ETA: 0s - loss: 0.3880 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3880 - accuracy:
0.9138 [.....] - ETA: 0s - loss: 0.3892 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.3892 - accuracy:
0.9134 [.....] - ETA: 0s - loss: 0.3889 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.3889 - accuracy:
0.9135 - val_loss: 0.4947 - val_accuracy: 0.8783
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.5954 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.3845 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3845 - accuracy:
0.9125 [.....] - ETA: 0s - loss: 0.3863 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3863 - accuracy:
0.9125 [.....] - ETA: 0s - loss: 0.3836 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3836 - accuracy:

0.9157 [.....] - ETA: 0s - loss: 0.3803 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9155 [.....] - ETA: 0s - loss: 0.3814 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3814 - accuracy:
0.9150 [.....] - ETA: 0s - loss: 0.3819 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy:
0.9144 [.....] - ETA: 0s - loss: 0.3842 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3842 - accuracy:
0.9139 [.....] - ETA: 0s - loss: 0.3856 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.3856 - accuracy:
0.9136 [.....] - ETA: 0s - loss: 0.3863 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.3863 - accuracy:
0.9131 [.....] - ETA: 0s - loss: 0.3862 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.3862 - accuracy:
0.9135 - val_loss: 0.4583 - val_accuracy: 0.8874
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3952 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3952 - accuracy:
0.9099 [.....] - ETA: 0s - loss: 0.3865 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
0.9128 [.....] - ETA: 0s - loss: 0.3845 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3845 - accuracy:
0.9145 [.....] - ETA: 0s - loss: 0.3823 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9156 [.....] - ETA: 0s - loss: 0.3840 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy:
0.9153 [.....] - ETA: 0s - loss: 0.3829 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.3829 - accuracy:
0.9155 [.....] - ETA: 0s - loss: 0.3843 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3843 - accuracy:
0.9155 [.....] - ETA: 0s - loss: 0.3841 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
0.9157 [.....] - ETA: 0s - loss: 0.3840 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.3840 - accuracy:
0.9151 [.....] - ETA: 0s - loss: 0.3848 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.3848 - accuracy:
0.9151 - val_loss: 0.4726 - val_accuracy: 0.8876
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.3644 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3764 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.3764 - accuracy:
0.9217 [.....] - ETA: 0s - loss: 0.3801 - accuracy:
158/750 [====>.....] - ETA: 0s - loss: 0.3801 - accuracy:
0.9185 [.....] - ETA: 0s - loss: 0.3774 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
0.9183 [.....] - ETA: 0s - loss: 0.3804 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3804 - accuracy:

0.9168 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy:
0.9180 [=====>.....] - ETA: 0s - loss: 0.3801 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.3816 - accuracy:
0.9178 [=====>.....] - ETA: 0s - loss: 0.3825 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
0.9173 [=====>.....] - ETA: 0s - loss: 0.4655 - val_accuracy: 0.8873
616/750 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
0.9166 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
693/750 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3841 - accuracy:
0.9159 - val_loss: 0.4655 - val_accuracy: 0.8873
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.4113 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.3944 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3818 - accuracy:
0.9077 [====>.....] - ETA: 0s - loss: 0.3822 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3816 - accuracy:
0.9156 [====>.....] - ETA: 0s - loss: 0.3809 - accuracy:
230/750 [====>.....] - ETA: 0s - loss: 0.3826 - accuracy:
0.9145 [====>.....] - ETA: 0s - loss: 0.3820 - accuracy:
308/750 [====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9148 [====>.....] - ETA: 0s - loss: 0.3840 - accuracy:
383/750 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9158 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
459/750 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9154 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
536/750 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9154 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
612/750 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9144 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
688/750 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9147 [====>.....] - ETA: 0s - loss: 0.3832 - accuracy:
750/750 [====>.....] - 1s 804us/step - loss: 0.3832 - accuracy:
0.9149 - val_loss: 0.4666 - val_accuracy: 0.8864
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.3431 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3907 - accuracy:
74/750 [==>.....] - ETA: 0s - loss: 0.3850 - accuracy:
0.9126 [====>.....] - ETA: 0s - loss: 0.3879 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3868 - accuracy:
0.9151 [====>.....] - ETA: 0s - loss: 0.3863 - accuracy:
228/750 [====>.....] - ETA: 0s - loss: 0.3863 - accuracy:
0.9117 [====>.....] - ETA: 0s - loss: 0.3863 - accuracy:
303/750 [====>.....] - ETA: 0s - loss: 0.3863 - accuracy:
0.9126 [====>.....] - ETA: 0s - loss: 0.3863 - accuracy:
380/750 [====>.....] - ETA: 0s - loss: 0.3863 - accuracy:

0.9136 [=====>.....] - ETA: 0s - loss: 0.3842 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.3850 - accuracy:
0.9140 [=====>.....] - ETA: 0s - loss: 0.3856 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3847 - accuracy:
0.9139 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
0.9134 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
0.9139 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.3839 - accuracy:
0.9142 - val_loss: 0.4667 - val_accuracy: 0.8866
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.3625 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3895 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.3811 - accuracy:
0.9150 [=====>.....] - ETA: 0s - loss: 0.3829 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.3814 - accuracy:
0.9147 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3798 - accuracy:
0.9138 [=====>.....] - ETA: 0s - loss: 0.3799 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3808 - accuracy:
0.9144 [=====>.....] - ETA: 0s - loss: 0.3820 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9149 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9151 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9155 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9153 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
687/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9152 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.3823 - accuracy:
0.9149 - val_loss: 0.4730 - val_accuracy: 0.8828
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.3614 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.3830 - accuracy:
0.9167 [=====>.....] - ETA: 0s - loss: 0.3828 - accuracy:
155/750 [=====>.....] - ETA: 0s - loss: 0.3801 - accuracy:
0.9146 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
0.9156 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
0.9173 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
0.9169 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:

0.9162 [=====>.....] - ETA: 0s - loss: 0.3791 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.3791 - accuracy:
0.9171 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy:
0.9162 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
0.9162 [=====>.....] - ETA: 0s - loss: 0.3800 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3800 - accuracy:
0.9161 - val_loss: 0.4592 - val_accuracy: 0.8881
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.3328 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3724 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.3724 - accuracy:
0.9197 [=====>.....] - ETA: 0s - loss: 0.3782 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3782 - accuracy:
0.9182 [=====>.....] - ETA: 0s - loss: 0.3752 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3752 - accuracy:
0.9189 [=====>.....] - ETA: 0s - loss: 0.3770 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3770 - accuracy:
0.9168 [=====>.....] - ETA: 0s - loss: 0.3787 - accuracy:
454/750 [=====>.....] - ETA: 0s - loss: 0.3787 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.3801 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3801 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
0.9165 [=====>.....] - ETA: 0s - loss: 0.3798 - accuracy:
681/750 [=====>.....] - ETA: 0s - loss: 0.3798 - accuracy:
0.9166 [=====>.....] - ETA: 0s - loss: 0.3805 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.3805 - accuracy:
0.9165 - val_loss: 0.4848 - val_accuracy: 0.8780
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.4069 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
0.9217 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9221 [=====>.....] - ETA: 0s - loss: 0.3680 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.3680 - accuracy:
0.9202 [=====>.....] - ETA: 0s - loss: 0.3695 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3695 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3716 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy:
0.9190 [=====>.....] - ETA: 0s - loss: 0.3772 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3772 - accuracy:

0.9184 [=====>.....] - ETA: 0s - loss: 0.3798 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3798 - accuracy:
0.9170 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
688/750 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
0.9168 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy:
750/750 [=====] - 1s 808us/step - loss: 0.3795 - accuracy:
0.9165 - val_loss: 0.4638 - val_accuracy: 0.8864
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.5084 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3864 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3864 - accuracy:
0.9170 [=>.....] - ETA: 0s - loss: 0.3767 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.3767 - accuracy:
0.9215 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy:
0.9187 [=====>.....] - ETA: 0s - loss: 0.3793 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3793 - accuracy:
0.9182 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
0.9184 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
0.9175 [=====>.....] - ETA: 0s - loss: 0.3766 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3766 - accuracy:
0.9184 [=====>.....] - ETA: 0s - loss: 0.3765 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.3765 - accuracy:
0.9179 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
684/750 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
0.9176 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
750/750 [=====] - 1s 809us/step - loss: 0.3774 - accuracy:
0.9172 - val_loss: 0.4630 - val_accuracy: 0.8880
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.3487 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3653 - accuracy:
78/750 [=>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9211 [=>.....] - ETA: 0s - loss: 0.3718 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3723 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3723 - accuracy:
0.9200 [=====>.....] - ETA: 0s - loss: 0.3725 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3725 - accuracy:
0.9194 [=====>.....] - ETA: 0s - loss: 0.3755 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.3755 - accuracy:
0.9177 [=====>.....] - ETA: 0s - loss: 0.3749 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.3749 - accuracy:
0.9183 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy:
0.9169 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.3796 - accuracy:

0.9161
682/750 [=====>...] - ETA: 0s - loss: 0.3786 - accuracy:
0.9168
750/750 [=====] - 1s 805us/step - loss: 0.3782 - accuracy:
0.9168 - val_loss: 0.4853 - val_accuracy: 0.8805
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.4039 - accuracy:
0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.3778 - accuracy:
0.9179
153/750 [====>.....] - ETA: 0s - loss: 0.3760 - accuracy:
0.9179
231/750 [=====>.....] - ETA: 0s - loss: 0.3767 - accuracy:
0.9185
306/750 [=====>.....] - ETA: 0s - loss: 0.3751 - accuracy:
0.9189
383/750 [=====>.....] - ETA: 0s - loss: 0.3748 - accuracy:
0.9191
460/750 [=====>.....] - ETA: 0s - loss: 0.3758 - accuracy:
0.9184
537/750 [=====>.....] - ETA: 0s - loss: 0.3757 - accuracy:
0.9187
613/750 [=====>.....] - ETA: 0s - loss: 0.3764 - accuracy:
0.9182
688/750 [=====>...] - ETA: 0s - loss: 0.3760 - accuracy:
0.9182
750/750 [=====] - 1s 806us/step - loss: 0.3757 - accuracy:
0.9184 - val_loss: 0.4719 - val_accuracy: 0.8847
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.3971 - accuracy:
0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.3708 - accuracy:
0.9221
154/750 [====>.....] - ETA: 0s - loss: 0.3712 - accuracy:
0.9189
225/750 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy:
0.9183
297/750 [=====>.....] - ETA: 0s - loss: 0.3699 - accuracy:
0.9200
375/750 [=====>.....] - ETA: 0s - loss: 0.3731 - accuracy:
0.9190
449/750 [=====>.....] - ETA: 0s - loss: 0.3750 - accuracy:
0.9186
525/750 [=====>.....] - ETA: 0s - loss: 0.3759 - accuracy:
0.9179
601/750 [=====>.....] - ETA: 0s - loss: 0.3747 - accuracy:
0.9177
677/750 [=====>...] - ETA: 0s - loss: 0.3753 - accuracy:

0.9180
750/750 [=====] - 1s 814us/step - loss: 0.3753 - accuracy:
0.9181 - val_loss: 0.4690 - val_accuracy: 0.8851
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.3139 - accuracy:
0.9375
80/750 [==>.....] - ETA: 0s - loss: 0.3717 - accuracy:
0.9174
156/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9197
232/750 [=====>.....] - ETA: 0s - loss: 0.3725 - accuracy:
0.9200
310/750 [======>.....] - ETA: 0s - loss: 0.3740 - accuracy:
0.9180
386/750 [======>.....] - ETA: 0s - loss: 0.3744 - accuracy:
0.9177
463/750 [======>.....] - ETA: 0s - loss: 0.3741 - accuracy:
0.9184
539/750 [======>.....] - ETA: 0s - loss: 0.3748 - accuracy:
0.9179
616/750 [======>.....] - ETA: 0s - loss: 0.3757 - accuracy:
0.9170
693/750 [======>...] - ETA: 0s - loss: 0.3748 - accuracy:
0.9175
750/750 [=====] - 1s 806us/step - loss: 0.3748 - accuracy:
0.9175 - val_loss: 0.4803 - val_accuracy: 0.8822
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.4239 - accuracy:
0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.3720 - accuracy:
0.9172
154/750 [=====>.....] - ETA: 0s - loss: 0.3765 - accuracy:
0.9172
229/750 [=====>.....] - ETA: 0s - loss: 0.3746 - accuracy:
0.9189
305/750 [======>.....] - ETA: 0s - loss: 0.3756 - accuracy:
0.9190
381/750 [======>.....] - ETA: 0s - loss: 0.3762 - accuracy:
0.9189
457/750 [======>.....] - ETA: 0s - loss: 0.3733 - accuracy:
0.9198
533/750 [======>.....] - ETA: 0s - loss: 0.3746 - accuracy:
0.9193
610/750 [======>.....] - ETA: 0s - loss: 0.3749 - accuracy:
0.9186
686/750 [======>...] - ETA: 0s - loss: 0.3752 - accuracy:
0.9178
750/750 [=====] - 1s 822us/step - loss: 0.3751 - accuracy:

0.9177 - val_loss: 0.4680 - val_accuracy: 0.8852
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.4208 - accuracy:
0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.3757 - accuracy:
0.9164
152/750 [=====>.....] - ETA: 0s - loss: 0.3775 - accuracy:
0.9160
229/750 [=====>.....] - ETA: 0s - loss: 0.3717 - accuracy:
0.9191
304/750 [======>.....] - ETA: 0s - loss: 0.3741 - accuracy:
0.9179
380/750 [======>.....] - ETA: 0s - loss: 0.3741 - accuracy:
0.9187
458/750 [======>.....] - ETA: 0s - loss: 0.3724 - accuracy:
0.9189
531/750 [======>.....] - ETA: 0s - loss: 0.3717 - accuracy:
0.9189
607/750 [======>.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9194
684/750 [======>...] - ETA: 0s - loss: 0.3739 - accuracy:
0.9186
750/750 [=====] - 1s 810us/step - loss: 0.3742 - accuracy:
0.9183 - val_loss: 0.4624 - val_accuracy: 0.8870
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.3147 - accuracy:
0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.3624 - accuracy:
0.9206
152/750 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:
0.9229
226/750 [=====>.....] - ETA: 0s - loss: 0.3675 - accuracy:
0.9208
303/750 [======>.....] - ETA: 0s - loss: 0.3686 - accuracy:
0.9196
380/750 [======>.....] - ETA: 0s - loss: 0.3733 - accuracy:
0.9182
455/750 [======>.....] - ETA: 0s - loss: 0.3710 - accuracy:
0.9187
530/750 [======>.....] - ETA: 0s - loss: 0.3712 - accuracy:
0.9192
607/750 [======>.....] - ETA: 0s - loss: 0.3710 - accuracy:
0.9200
682/750 [======>...] - ETA: 0s - loss: 0.3722 - accuracy:
0.9194
750/750 [=====] - 1s 817us/step - loss: 0.3717 - accuracy:
0.9196 - val_loss: 0.4815 - val_accuracy: 0.8805
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.3769 - accuracy: 0.9190
154/750 [=====>.....] - ETA: 0s - loss: 0.3787 - accuracy: 0.9181
228/750 [=====>.....] - ETA: 0s - loss: 0.3753 - accuracy: 0.9176
306/750 [======>.....] - ETA: 0s - loss: 0.3768 - accuracy: 0.9183
382/750 [======>.....] - ETA: 0s - loss: 0.3733 - accuracy: 0.9190
461/750 [======>.....] - ETA: 0s - loss: 0.3725 - accuracy: 0.9190
535/750 [======>.....] - ETA: 0s - loss: 0.3727 - accuracy: 0.9186
612/750 [======>.....] - ETA: 0s - loss: 0.3708 - accuracy: 0.9194
690/750 [======>...] - ETA: 0s - loss: 0.3700 - accuracy: 0.9198
750/750 [=====] - 1s 804us/step - loss: 0.3710 - accuracy: 0.9195 - val_loss: 0.4667 - val_accuracy: 0.8852
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.3672 - accuracy: 0.9183
151/750 [=====>.....] - ETA: 0s - loss: 0.3708 - accuracy: 0.9172
226/750 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy: 0.9179
305/750 [======>.....] - ETA: 0s - loss: 0.3710 - accuracy: 0.9180
382/750 [======>.....] - ETA: 0s - loss: 0.3706 - accuracy: 0.9188
457/750 [======>.....] - ETA: 0s - loss: 0.3733 - accuracy: 0.9182
533/750 [======>.....] - ETA: 0s - loss: 0.3744 - accuracy: 0.9178
612/750 [======>.....] - ETA: 0s - loss: 0.3736 - accuracy: 0.9181
687/750 [======>...] - ETA: 0s - loss: 0.3730 - accuracy: 0.9180
750/750 [=====] - 1s 821us/step - loss: 0.3729 - accuracy: 0.9180 - val_loss: 0.4634 - val_accuracy: 0.8867
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.3688 - accuracy:

0.9375 [.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9225
78/750 [==>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9225
153/750 [====>.....] - ETA: 0s - loss: 0.3609 - accuracy: 0.9231
229/750 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy: 0.9222
308/750 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy: 0.9214
383/750 [=====>.....] - ETA: 0s - loss: 0.3662 - accuracy: 0.9221
461/750 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy: 0.9218
537/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy: 0.9218
612/750 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy: 0.9214
689/750 [=====>...] - ETA: 0s - loss: 0.3687 - accuracy: 0.9214
750/750 [=====>] - 1s 805us/step - loss: 0.3703 - accuracy: 0.9209 - val_loss: 0.4681 - val_accuracy: 0.8823
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.3782 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.3595 - accuracy: 0.9239
153/750 [====>.....] - ETA: 0s - loss: 0.3643 - accuracy: 0.9217
228/750 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy: 0.9215
304/750 [=====>.....] - ETA: 0s - loss: 0.3695 - accuracy: 0.9188
380/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy: 0.9204
457/750 [=====>.....] - ETA: 0s - loss: 0.3694 - accuracy: 0.9202
533/750 [=====>.....] - ETA: 0s - loss: 0.3710 - accuracy: 0.9195
608/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy: 0.9202
685/750 [=====>...] - ETA: 0s - loss: 0.3692 - accuracy: 0.9205
750/750 [=====>] - 1s 805us/step - loss: 0.3704 - accuracy: 0.9203 - val_loss: 0.4898 - val_accuracy: 0.8773
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.3868 - accuracy: 0.8906
77/750 [==>.....] - ETA: 0s - loss: 0.3661 - accuracy:

0.9225 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.3624 - accuracy:
0.9221 [=====>.....] - ETA: 0s - loss: 0.3655 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9223 [=====>.....] - ETA: 0s - loss: 0.3683 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3696 - accuracy:
0.9207 [=====>.....] - ETA: 0s - loss: 0.3711 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3700 - accuracy:
0.9203 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
0.9200 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
0.9194 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
0.9192 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
0.9193 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3701 - accuracy:
0.9194 - val_loss: 0.4696 - val_accuracy: 0.8859
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.1938 - accuracy:
1.0000 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
80/750 [=====>.....] - ETA: 0s - loss: 0.3654 - accuracy:
0.9201 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
155/750 [=====>.....] - ETA: 0s - loss: 0.3706 - accuracy:
0.9214 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3709 - accuracy:
0.9213 [=====>.....] - ETA: 0s - loss: 0.3702 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy:
388/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9187 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9192 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9190 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.3690 - accuracy:
0.9200 - val_loss: 0.4663 - val_accuracy: 0.8870
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.3139 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:

0.9260 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
0.9226 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
0.9216 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
0.9203 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy:
0.9201 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.3692 - accuracy:
0.9210 [=====>...] - ETA: 0s - loss: 0.3680 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3680 - accuracy:
0.9214 - val_loss: 0.4752 - val_accuracy: 0.8817
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.3852 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3626 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9265 [==>.....] - ETA: 0s - loss: 0.3628 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3628 - accuracy:
0.9268 [====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy:
0.9238 [=====>.....] - ETA: 0s - loss: 0.3675 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3675 - accuracy:
0.9225 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy:
0.9230 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy:
0.9230 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9234 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.3658 - accuracy:
0.9226 [=====>...] - ETA: 0s - loss: 0.3648 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.3648 - accuracy:
0.9228 - val_loss: 0.4809 - val_accuracy: 0.8788
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3615 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9245 [==>.....] - ETA: 0s - loss: 0.3597 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
0.9240 [====>.....] - ETA: 0s - loss: 0.3584 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy:

0.9253 [.....] - ETA: 0s - loss: 0.3597 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
0.9240 [.....] - ETA: 0s - loss: 0.3593 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
0.9246 [.....] - ETA: 0s - loss: 0.3633 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy:
0.9227 [.....] - ETA: 0s - loss: 0.3645 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9222 [.....] - ETA: 0s - loss: 0.3654 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3654 - accuracy:
0.9216 [.....] - ETA: 0s - loss: 0.3656 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.3656 - accuracy:
0.9217 [.....] - 1s 801us/step - loss: 0.3657 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3657 - accuracy:
0.9222 - val_loss: 0.4637 - val_accuracy: 0.8881
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.4368 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3680 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3680 - accuracy:
0.9217 [.....] - ETA: 0s - loss: 0.3725 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3725 - accuracy:
0.9186 [.....] - ETA: 0s - loss: 0.3709 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3709 - accuracy:
0.9192 [.....] - ETA: 0s - loss: 0.3722 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3722 - accuracy:
0.9182 [.....] - ETA: 0s - loss: 0.3681 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9198 [.....] - ETA: 0s - loss: 0.3684 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.3684 - accuracy:
0.9205 [.....] - ETA: 0s - loss: 0.3670 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
0.9210 [.....] - ETA: 0s - loss: 0.3671 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
0.9209 [.....] - ETA: 0s - loss: 0.3672 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.3672 - accuracy:
0.9212 [.....] - 1s 801us/step - loss: 0.3663 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3663 - accuracy:
0.9216 - val_loss: 0.4787 - val_accuracy: 0.8838
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.3953 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3484 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3484 - accuracy:
0.9298 [.....] - ETA: 0s - loss: 0.3538 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9283 [.....] - ETA: 0s - loss: 0.3572 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3572 - accuracy:
0.9256 [.....] - ETA: 0s - loss: 0.3572 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3572 - accuracy:

0.9257 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9242 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.3630 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
0.9228 - val_loss: 0.4692 - val_accuracy: 0.8848
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3671 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.3685 - accuracy:
0.9189 [==>.....] - ETA: 0s - loss: 0.3611 - accuracy:
157/750 [==>.....] - ETA: 0s - loss: 0.3602 - accuracy:
0.9187 [==>.....] - ETA: 0s - loss: 0.3626 - accuracy:
235/750 [==>.....] - ETA: 0s - loss: 0.3628 - accuracy:
0.9222 [==>.....] - ETA: 0s - loss: 0.3649 - accuracy:
313/750 [==>.....] - ETA: 0s - loss: 0.3660 - accuracy:
0.9236 [==>.....] - ETA: 0s - loss: 0.3665 - accuracy:
388/750 [==>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9230 [==>.....] - ETA: 0s - loss: 0.3951 - accuracy:
466/750 [==>.....] - ETA: 0s - loss: 0.3573 - accuracy:
0.9231 [==>.....] - ETA: 0s - loss: 0.3611 - accuracy:
541/750 [==>.....] - ETA: 0s - loss: 0.3608 - accuracy:
0.9227 [==>.....] - ETA: 0s - loss: 0.3623 - accuracy:
620/750 [==>.....] - ETA: 0s - loss: 0.3617 - accuracy:
0.9221 [==>.....] - ETA: 0s - loss: 0.3951 - accuracy:
698/750 [==>.....] - ETA: 0s - loss: 0.3573 - accuracy:
0.9220 [==>.....] - ETA: 0s - loss: 0.3611 - accuracy:
750/750 [==>.....] - ETA: 0s - loss: 0.3608 - accuracy:
0.9225 - val_loss: 0.4841 - val_accuracy: 0.8817
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.3951 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.3573 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3611 - accuracy:
0.9256 [==>.....] - ETA: 0s - loss: 0.3608 - accuracy:
154/750 [==>.....] - ETA: 0s - loss: 0.3623 - accuracy:
0.9247 [==>.....] - ETA: 0s - loss: 0.3617 - accuracy:
229/750 [==>.....] - ETA: 0s - loss: 0.3951 - accuracy:
0.9244 [==>.....] - ETA: 0s - loss: 0.3573 - accuracy:
306/750 [==>.....] - ETA: 0s - loss: 0.3611 - accuracy:
0.9241 [==>.....] - ETA: 0s - loss: 0.3608 - accuracy:
384/750 [==>.....] - ETA: 0s - loss: 0.3617 - accuracy:

0.9250 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
0.9241 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
0.9222 [=====>.....] - ETA: 0s - loss: 0.3642 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.3642 - accuracy:
0.9223 [=====>...] - ETA: 0s - loss: 0.3652 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.3652 - accuracy:
0.9220 - val_loss: 0.4632 - val_accuracy: 0.8852
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.4229 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3570 - accuracy:
79/750 [=>.....] - ETA: 0s - loss: 0.3570 - accuracy:
0.9244 [=>.....] - ETA: 0s - loss: 0.3617 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy:
0.9232 [=====>.....] - ETA: 0s - loss: 0.3682 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3682 - accuracy:
0.9212 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3662 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3662 - accuracy:
0.9224 [=====>.....] - ETA: 0s - loss: 0.3668 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.3668 - accuracy:
0.9227 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
0.9228 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy:
0.9242 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
683/750 [=====>...] - ETA: 0s - loss: 0.3626 - accuracy:
0.9243 [=====>...] - ETA: 0s - loss: 0.3634 - accuracy:
750/750 [=====] - 1s 808us/step - loss: 0.3634 - accuracy:
0.9234 - val_loss: 0.5177 - val_accuracy: 0.8639
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.3787 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3479 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9321 [=>.....] - ETA: 0s - loss: 0.3545 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
0.9227 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy:
0.9240 [=====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.3614 - accuracy:

0.9235 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
0.9230 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.3618 - accuracy:
0.9239 [=====] - 1s 806us/step - loss: 0.3627 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.3627 - accuracy:
0.9236 - val_loss: 0.4833 - val_accuracy: 0.8842
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.3157 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3571 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3571 - accuracy:
0.9288 [====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9267 [====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
229/750 [====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9271 [====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
307/750 [====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
0.9244 [====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
384/750 [====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9247 [====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
459/750 [====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
0.9238 [====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
537/750 [====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
0.9226 [====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
614/750 [====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
0.9227 [====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
689/750 [====>...] - ETA: 0s - loss: 0.3612 - accuracy:
0.9224 [====>...] - ETA: 0s - loss: 0.3612 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3628 - accuracy:
0.9218 - val_loss: 0.4710 - val_accuracy: 0.8858
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.3433 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3502 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9291 [====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9276 [====>.....] - ETA: 0s - loss: 0.3543 - accuracy:
232/750 [====>.....] - ETA: 0s - loss: 0.3543 - accuracy:
0.9270 [====>.....] - ETA: 0s - loss: 0.3570 - accuracy:
307/750 [====>.....] - ETA: 0s - loss: 0.3570 - accuracy:
0.9264 [====>.....] - ETA: 0s - loss: 0.3582 - accuracy:
381/750 [====>.....] - ETA: 0s - loss: 0.3582 - accuracy:
0.9257 [====>.....] - ETA: 0s - loss: 0.3592 - accuracy:
453/750 [====>.....] - ETA: 0s - loss: 0.3592 - accuracy:
0.9249 [====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
530/750 [====>.....] - ETA: 0s - loss: 0.3601 - accuracy:

0.9250 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9249 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
685/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
750/750 [=====] - 1s 808us/step - loss: 0.3605 - accuracy:
0.9243 - val_loss: 0.4673 - val_accuracy: 0.8848
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.3819 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3819 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9241 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9220 [====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy:
0.9231 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
0.9256 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3611 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3611 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3622 - accuracy:
0.9234 [=====>.....] - ETA: 0s - loss: 0.3622 - accuracy:
690/750 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3605 - accuracy:
0.9243 - val_loss: 0.4625 - val_accuracy: 0.8873
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.4151 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4151 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3667 - accuracy:
0.9189 [==>.....] - ETA: 0s - loss: 0.3667 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
0.9241 [====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.3550 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3550 - accuracy:
312/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
390/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
466/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy:
0.9242 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3596 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy:

0.9241 [=====>...] - ETA: 0s - loss: 0.3605 - accuracy:
695/750 [=====] - 1s 798us/step - loss: 0.3603 - accuracy:
0.9238 - val_loss: 0.4683 - val_accuracy: 0.8872
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.4816 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3625 - accuracy:
0.9244 [=====] - ETA: 0s - loss: 0.3593 - accuracy:
153/750 [=====] - ETA: 0s - loss: 0.3649 - accuracy:
0.9270 [=====] - ETA: 0s - loss: 0.3583 - accuracy:
229/750 [=====] - ETA: 0s - loss: 0.3580 - accuracy:
0.9242 [=====] - ETA: 0s - loss: 0.3569 - accuracy:
305/750 [=====] - ETA: 0s - loss: 0.3580 - accuracy:
0.9270 [=====] - ETA: 0s - loss: 0.3601 - accuracy:
382/750 [=====] - ETA: 0s - loss: 0.3599 - accuracy:
0.9269 [=====] - ETA: 0s - loss: 0.3590 - accuracy:
459/750 [=====] - ETA: 0s - loss: 0.3590 - accuracy:
0.9268 [=====] - ETA: 0s - loss: 0.3616 - accuracy:
536/750 [=====] - ETA: 0s - loss: 0.3616 - accuracy:
0.9260 [=====] - ETA: 0s - loss: 0.3609 - accuracy:
614/750 [=====] - ETA: 0s - loss: 0.3609 - accuracy:
0.9248 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
689/750 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
0.9245 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3590 - accuracy:
0.9248 - val_loss: 0.4655 - val_accuracy: 0.8862
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.3768 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3579 - accuracy:
0.9239 [=====] - ETA: 0s - loss: 0.3577 - accuracy:
157/750 [=====] - ETA: 0s - loss: 0.3574 - accuracy:
0.9244 [=====] - ETA: 0s - loss: 0.3600 - accuracy:
233/750 [=====] - ETA: 0s - loss: 0.3610 - accuracy:
0.9232 [=====] - ETA: 0s - loss: 0.3617 - accuracy:
307/750 [=====] - ETA: 0s - loss: 0.3616 - accuracy:
0.9219 [=====] - ETA: 0s - loss: 0.3609 - accuracy:
385/750 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
0.9224 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
462/750 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
0.9222 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
538/750 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
0.9222 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
614/750 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
0.9224 [=====] - ETA: 0s - loss: 0.3615 - accuracy:
689/750 [=====] - ETA: 0s - loss: 0.3615 - accuracy:

0.9223
750/750 [=====] - 1s 802us/step - loss: 0.3609 - accuracy:
0.9227 - val_loss: 0.4778 - val_accuracy: 0.8832
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.4168 - accuracy:
0.9375
79/750 [==>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9231
155/750 [====>.....] - ETA: 0s - loss: 0.3561 - accuracy:
0.9280
232/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9271
310/750 [======>.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9264
387/750 [======>.....] - ETA: 0s - loss: 0.3607 - accuracy:
0.9244
464/750 [======>.....] - ETA: 0s - loss: 0.3601 - accuracy:
0.9242
541/750 [======>.....] - ETA: 0s - loss: 0.3606 - accuracy:
0.9239
619/750 [======>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9243
694/750 [======>...] - ETA: 0s - loss: 0.3593 - accuracy:
0.9239
750/750 [=====] - 1s 798us/step - loss: 0.3597 - accuracy:
0.9237 - val_loss: 0.4660 - val_accuracy: 0.8844
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.4464 - accuracy:
0.9062
78/750 [==>.....] - ETA: 0s - loss: 0.3913 - accuracy:
0.9167
155/750 [====>.....] - ETA: 0s - loss: 0.3725 - accuracy:
0.9212
233/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9213
308/750 [======>.....] - ETA: 0s - loss: 0.3646 - accuracy:
0.9220
384/750 [======>.....] - ETA: 0s - loss: 0.3634 - accuracy:
0.9231
461/750 [======>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9235
538/750 [======>.....] - ETA: 0s - loss: 0.3614 - accuracy:
0.9237
617/750 [======>.....] - ETA: 0s - loss: 0.3592 - accuracy:
0.9246
693/750 [======>...] - ETA: 0s - loss: 0.3589 - accuracy:
0.9243
750/750 [=====] - 1s 802us/step - loss: 0.3597 - accuracy:

0.9243 - val_loss: 0.4928 - val_accuracy: 0.8777
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.2795 - accuracy:
0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9204
154/750 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
0.9272
230/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
0.9274
308/750 [======>.....] - ETA: 0s - loss: 0.3571 - accuracy:
0.9277
385/750 [======>.....] - ETA: 0s - loss: 0.3590 - accuracy:
0.9264
462/750 [======>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9272
540/750 [======>.....] - ETA: 0s - loss: 0.3576 - accuracy:
0.9267
615/750 [======>.....] - ETA: 0s - loss: 0.3583 - accuracy:
0.9260
691/750 [======>...] - ETA: 0s - loss: 0.3585 - accuracy:
0.9262
750/750 [=====] - 1s 805us/step - loss: 0.3574 - accuracy:
0.9265 - val_loss: 0.5037 - val_accuracy: 0.8749
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.2995 - accuracy:
0.9062
78/750 [==>.....] - ETA: 0s - loss: 0.3440 - accuracy:
0.9245
153/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9268
229/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9256
305/750 [======>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9255
382/750 [======>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9246
459/750 [======>.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9238
535/750 [======>.....] - ETA: 0s - loss: 0.3593 - accuracy:
0.9235
612/750 [======>.....] - ETA: 0s - loss: 0.3587 - accuracy:
0.9239
689/750 [======>...] - ETA: 0s - loss: 0.3575 - accuracy:
0.9246
750/750 [=====] - 1s 801us/step - loss: 0.3573 - accuracy:
0.9249 - val_loss: 0.4799 - val_accuracy: 0.8820
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.6013 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.3711 - accuracy: 0.9231
153/750 [=====>.....] - ETA: 0s - loss: 0.3651 - accuracy: 0.9251
230/750 [=====>.....] - ETA: 0s - loss: 0.3642 - accuracy: 0.9251
303/750 [======>.....] - ETA: 0s - loss: 0.3643 - accuracy: 0.9240
380/750 [======>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9240
458/750 [======>.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9239
532/750 [======>.....] - ETA: 0s - loss: 0.3616 - accuracy: 0.9240
610/750 [======>.....] - ETA: 0s - loss: 0.3589 - accuracy: 0.9254
684/750 [======>...] - ETA: 0s - loss: 0.3587 - accuracy: 0.9254
750/750 [=====] - 1s 809us/step - loss: 0.3591 - accuracy: 0.9251 - val_loss: 0.5227 - val_accuracy: 0.8735
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.3530 - accuracy: 0.9265
155/750 [=====>.....] - ETA: 0s - loss: 0.3573 - accuracy: 0.9271
230/750 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy: 0.9289
308/750 [======>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9278
384/750 [======>.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9264
460/750 [======>.....] - ETA: 0s - loss: 0.3583 - accuracy: 0.9260
538/750 [======>.....] - ETA: 0s - loss: 0.3575 - accuracy: 0.9262
614/750 [======>.....] - ETA: 0s - loss: 0.3573 - accuracy: 0.9257
688/750 [======>...] - ETA: 0s - loss: 0.3573 - accuracy: 0.9257
750/750 [=====] - 1s 806us/step - loss: 0.3577 - accuracy: 0.9256 - val_loss: 0.5060 - val_accuracy: 0.8682
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.3421 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.3665 - accuracy: 0.9207
77/750 [==>.....] - ETA: 0s - loss: 0.3658 - accuracy: 0.9204
152/750 [====>.....] - ETA: 0s - loss: 0.3631 - accuracy: 0.9222
227/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9240
304/750 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy: 0.9235
380/750 [=====>.....] - ETA: 0s - loss: 0.3578 - accuracy: 0.9247
457/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9242
531/750 [=====>.....] - ETA: 0s - loss: 0.3578 - accuracy: 0.9246
609/750 [=====>.....] - ETA: 0s - loss: 0.3572 - accuracy: 0.9250
686/750 [=====>...] - ETA: 0s - loss: 0.3563 - accuracy: 0.9253
750/750 [=====] - 1s 806us/step - loss: 0.3563 - accuracy: 0.9253 - val_loss: 0.4675 - val_accuracy: 0.8878
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.3493 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3474 - accuracy: 0.9276
154/750 [====>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9285
231/750 [=====>.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9240
309/750 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy: 0.9247
388/750 [=====>.....] - ETA: 0s - loss: 0.3580 - accuracy: 0.9253
464/750 [=====>.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.9249
540/750 [=====>.....] - ETA: 0s - loss: 0.3567 - accuracy: 0.9256
617/750 [=====>.....] - ETA: 0s - loss: 0.3548 - accuracy: 0.9259
692/750 [=====>...] - ETA: 0s - loss: 0.3543 - accuracy: 0.9258
750/750 [=====] - 1s 806us/step - loss: 0.3553 - accuracy: 0.9253 - val_loss: 0.4646 - val_accuracy: 0.8878
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.3102 - accuracy: 0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.3454 - accuracy:

0.9303 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy: 0.9268
231/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9250
307/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9258
382/750 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy: 0.9259
461/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.9258
535/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy: 0.9252
613/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9254
690/750 [=====>...] - ETA: 0s - loss: 0.3569 - accuracy: 0.9254
750/750 [=====] - 1s 804us/step - loss: 0.3566 - accuracy: 0.9254 - val_loss: 0.4705 - val_accuracy: 0.8869
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.3125 - accuracy: 0.9219
77/750 [==>.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.9203
153/750 [====>.....] - ETA: 0s - loss: 0.3630 - accuracy: 0.9227
229/750 [=====>.....] - ETA: 0s - loss: 0.3623 - accuracy: 0.9234
304/750 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy: 0.9229
381/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy: 0.9236
458/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9250
533/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9254
609/750 [=====>.....] - ETA: 0s - loss: 0.3548 - accuracy: 0.9264
685/750 [=====>...] - ETA: 0s - loss: 0.3539 - accuracy: 0.9269
750/750 [=====] - 1s 808us/step - loss: 0.3556 - accuracy: 0.9261 - val_loss: 0.4679 - val_accuracy: 0.8891
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.2532 - accuracy: 0.9688
77/750 [==>.....] - ETA: 0s - loss: 0.3455 - accuracy: 0.9269
154/750 [====>.....] - ETA: 0s - loss: 0.3524 - accuracy:

0.9265 [.....] - ETA: 0s - loss: 0.3532 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9272 [.....] - ETA: 0s - loss: 0.3512 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9278 [.....] - ETA: 0s - loss: 0.3522 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
0.9276 [.....] - ETA: 0s - loss: 0.3519 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9276 [.....] - ETA: 0s - loss: 0.3541 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9270 [.....] - ETA: 0s - loss: 0.3541 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9270 [.....] - ETA: 0s - loss: 0.3536 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.3536 - accuracy:
0.9271 [.....] - ETA: 0s - loss: 0.3550 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3550 - accuracy:
0.9264 - val_loss: 0.5072 - val_accuracy: 0.8754
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.4175 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3549 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3549 - accuracy:
0.9269 [.....] - ETA: 0s - loss: 0.3607 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.3607 - accuracy:
0.9261 [.....] - ETA: 0s - loss: 0.3580 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.3580 - accuracy:
0.9273 [.....] - ETA: 0s - loss: 0.3524 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
0.9286 [.....] - ETA: 0s - loss: 0.3527 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy:
0.9282 [.....] - ETA: 0s - loss: 0.3524 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
0.9276 [.....] - ETA: 0s - loss: 0.3540 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy:
0.9270 [.....] - ETA: 0s - loss: 0.3545 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9266 [.....] - ETA: 0s - loss: 0.3545 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.3545 - accuracy:
0.9268 [.....] - ETA: 0s - loss: 0.3548 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.3548 - accuracy:
0.9263 - val_loss: 0.4763 - val_accuracy: 0.8873
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.4917 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3579 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3579 - accuracy:
0.9298 [.....] - ETA: 0s - loss: 0.3585 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9291 [.....] - ETA: 0s - loss: 0.3605 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:

0.9272 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9273 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3548 - accuracy:
0.9286 [=====>.....] - ETA: 0s - loss: 0.3542 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy:
0.9277 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
0.9280 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
685/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
750/750 [=====] - 1s 809us/step - loss: 0.3525 - accuracy:
0.9279 - val_loss: 0.4770 - val_accuracy: 0.8862
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.4350 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3457 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3550 - accuracy:
0.9317 [====>.....] - ETA: 0s - loss: 0.3519 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9270 [====>.....] - ETA: 0s - loss: 0.3530 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9283 [====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
305/750 [====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9283 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
381/750 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
0.9275 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
460/750 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
0.9284 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
535/750 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
0.9277 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
613/750 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
0.9279 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
690/750 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
0.9273 [====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3530 - accuracy:
0.9273 - val_loss: 0.4679 - val_accuracy: 0.8851
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.4038 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3528 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9252 [====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9280 [====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9293 [====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
307/750 [====>.....] - ETA: 0s - loss: 0.3475 - accuracy:

0.9306 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 386/750
0.9303 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy: 462/750
0.9293 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy: 539/750
0.9298 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy: 618/750
0.9290 [=====>...] - ETA: 0s - loss: 0.3488 - accuracy: 696/750
0.9289 [=====] - 1s 798us/step - loss: 0.3501 - accuracy: 750/750
0.9285 - val_loss: 0.4763 - val_accuracy: 0.8835
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.2248 - accuracy: 1.0000
78/750 [==>.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9319
144/750 [===>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9334
219/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9288
295/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy: 0.9274
371/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy: 0.9278
449/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy: 0.9279
527/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy: 0.9277
602/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.9279
680/750 [=====>...] - ETA: 0s - loss: 0.3528 - accuracy: 0.9278
750/750 [=====] - 1s 816us/step - loss: 0.3528 - accuracy: 0.9278 - val_loss: 0.4622 - val_accuracy: 0.8882
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.4149 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9305
152/750 [===>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9274
228/750 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9285
305/750 [=====>.....] - ETA: 0s - loss: 0.3509 - accuracy: 0.9282
383/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:

0.9278 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.3510 - accuracy:
0.9280 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy:
569/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9269 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.3535 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.3535 - accuracy:
0.9262 - val_loss: 0.4723 - val_accuracy: 0.8885
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.3309 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3586 - accuracy:
76/750 [====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9243 [====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9267 [====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
229/750 [====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9284 [====>.....] - ETA: 0s - loss: 0.3520 - accuracy:
307/750 [====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9281 [====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
382/750 [====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
0.9274 [====>.....] - ETA: 0s - loss: 0.3221 - accuracy:
459/750 [====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9271 [====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
536/750 [====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9272 [====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
610/750 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
687/750 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3522 - accuracy:
0.9269 - val_loss: 0.4894 - val_accuracy: 0.8845
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.3221 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3479 - accuracy:
78/750 [====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9277 [====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9312 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9309 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
306/750 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9296 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
383/750 [====>.....] - ETA: 0s - loss: 0.3500 - accuracy:

0.9278 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy:
0.9270 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
0.9265 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.3537 - accuracy:
0.9274 [=====>...] - ETA: 0s - loss: 0.3539 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.3539 - accuracy:
0.9272 - val_loss: 0.4807 - val_accuracy: 0.8834
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.4661 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.3415 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9324 [==>.....] - ETA: 0s - loss: 0.3438 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9312 [====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9290 [=====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
0.9292 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy:
0.9292 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
0.9289 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy:
0.9287 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.3500 - accuracy:
0.9283 [=====>...] - ETA: 0s - loss: 0.3509 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3509 - accuracy:
0.9276 - val_loss: 0.4831 - val_accuracy: 0.8828
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.4973 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3498 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9282 [==>.....] - ETA: 0s - loss: 0.3461 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9308 [====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3473 - accuracy:
0.9305 [=====>.....] - ETA: 0s - loss: 0.3473 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9306 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
465/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:

0.9298 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
0.9298 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
697/750 [=====>...] - ETA: 0s - loss: 0.3495 - accuracy:
0.9300 [=====] - 1s 798us/step - loss: 0.3499 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.3499 - accuracy:
0.9299 - val_loss: 0.4818 - val_accuracy: 0.8849
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3341 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9357 [====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9334 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9322 [====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
306/750 [====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.9310 [====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
382/750 [====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
0.9303 [====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
460/750 [====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9294 [====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
537/750 [====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9283 [====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
614/750 [====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9285 [====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
691/750 [====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9278 [====>.....] - 1s 802us/step - loss: 0.3514 - accuracy:
750/750 [====>.....] - 1s 802us/step - loss: 0.3514 - accuracy:
0.9272 - val_loss: 0.4752 - val_accuracy: 0.8841
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.2700 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3498 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9247 [====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
0.9261 [====>.....] - ETA: 0s - loss: 0.3506 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.3506 - accuracy:
0.9274 [====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
309/750 [====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9281 [====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
387/750 [====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
0.9283 [====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
463/750 [====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9274 [====>.....] - ETA: 0s - loss: 0.3507 - accuracy:
541/750 [====>.....] - ETA: 0s - loss: 0.3507 - accuracy:

0.9277 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
0.9274 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
694/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
0.9269 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3506 - accuracy:
0.9271 - val_loss: 0.4716 - val_accuracy: 0.8882
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.4178 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4178 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9298 [==>.....] - ETA: 0s - loss: 0.3512 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9309 [====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:
0.9288 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9298 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9297 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9297 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
693/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9288 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3501 - accuracy:
0.9283 - val_loss: 0.4705 - val_accuracy: 0.8878
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3523 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9306 [==>.....] - ETA: 0s - loss: 0.3420 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
0.9316 [====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3414 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9310 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
0.9271 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9268 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.3539 - accuracy:

0.9268 [=====] - ETA: 0s - loss: 0.3529 - accuracy:
687/750 [=====>...] - ETA: 0s - loss: 0.3529 - accuracy:
0.9272 [=====] - ETA: 0s - loss: 0.3529 - accuracy:
750/750 [=====] - 1s 808us/step - loss: 0.3504 - accuracy:
0.9279 - val_loss: 0.4801 - val_accuracy: 0.8837
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.3163 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3163 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9316 [.....] - ETA: 0s - loss: 0.3498 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9340 [.....] - ETA: 0s - loss: 0.3425 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9318 [.....] - ETA: 0s - loss: 0.3453 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
0.9311 [.....] - ETA: 0s - loss: 0.3478 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9303 [.....] - ETA: 0s - loss: 0.3498 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
0.9290 [.....] - ETA: 0s - loss: 0.3522 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9296 [.....] - ETA: 0s - loss: 0.3521 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
0.9295 [.....] - ETA: 0s - loss: 0.3528 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.3513 - accuracy:
0.9299 [.....] - ETA: 0s - loss: 0.3513 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3507 - accuracy:
0.9293 - val_loss: 0.4908 - val_accuracy: 0.8828
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.3792 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3792 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3457 - accuracy:
0.9301 [.....] - ETA: 0s - loss: 0.3457 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9287 [.....] - ETA: 0s - loss: 0.3491 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
0.9301 [.....] - ETA: 0s - loss: 0.3469 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9302 [.....] - ETA: 0s - loss: 0.3461 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
0.9305 [.....] - ETA: 0s - loss: 0.3455 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9302 [.....] - ETA: 0s - loss: 0.3477 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3473 - accuracy:
0.9299 [.....] - ETA: 0s - loss: 0.3473 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy:
0.9295 [.....] - ETA: 0s - loss: 0.3481 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.3494 - accuracy:

0.9289
750/750 [=====] - 1s 810us/step - loss: 0.3493 - accuracy:
0.9288 - val_loss: 0.5021 - val_accuracy: 0.8813
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.2358 - accuracy:
0.9844
79/750 [==>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9335
155/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9337
229/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9321
307/750 [======>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9315
381/750 [======>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9317
458/750 [======>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9305
535/750 [======>.....] - ETA: 0s - loss: 0.3465 - accuracy:
0.9303
609/750 [======>.....] - ETA: 0s - loss: 0.3480 - accuracy:
0.9296
686/750 [======>...] - ETA: 0s - loss: 0.3468 - accuracy:
0.9304
750/750 [=====] - 1s 808us/step - loss: 0.3488 - accuracy:
0.9294 - val_loss: 0.4711 - val_accuracy: 0.8867
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.3252 - accuracy:
0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9278
154/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
0.9314
231/750 [=====>.....] - ETA: 0s - loss: 0.3440 - accuracy:
0.9315
307/750 [======>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9324
385/750 [======>.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9315
462/750 [======>.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9316
538/750 [======>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9302
612/750 [======>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9293
684/750 [======>...] - ETA: 0s - loss: 0.3475 - accuracy:
0.9294
750/750 [=====] - 1s 808us/step - loss: 0.3485 - accuracy:

0.9294 - val_loss: 0.4695 - val_accuracy: 0.8876
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.4205 - accuracy:
0.9062
79/750 [==>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9308
158/750 [====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9305
235/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
0.9296
309/750 [======>.....] - ETA: 0s - loss: 0.3434 - accuracy:
0.9309
387/750 [======>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9297
461/750 [======>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9305
539/750 [======>.....] - ETA: 0s - loss: 0.3480 - accuracy:
0.9291
616/750 [======>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9290
692/750 [======>...] - ETA: 0s - loss: 0.3473 - accuracy:
0.9296
750/750 [=====] - 1s 802us/step - loss: 0.3476 - accuracy:
0.9294 - val_loss: 0.5327 - val_accuracy: 0.8684
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.3122 - accuracy:
0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9309
154/750 [====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9313
231/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
0.9313
307/750 [======>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9303
379/750 [======>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9308
453/750 [======>.....] - ETA: 0s - loss: 0.3481 - accuracy:
0.9294
529/750 [======>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9301
604/750 [======>.....] - ETA: 0s - loss: 0.3473 - accuracy:
0.9293
680/750 [======>...] - ETA: 0s - loss: 0.3465 - accuracy:
0.9298
750/750 [=====] - 1s 812us/step - loss: 0.3484 - accuracy:
0.9293 - val_loss: 0.4853 - val_accuracy: 0.8800
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.3147 - accuracy: 0.9531
75/750 [==>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9285
151/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9260
228/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9295
305/750 [======>.....] - ETA: 0s - loss: 0.3482 - accuracy: 0.9298
382/750 [======>.....] - ETA: 0s - loss: 0.3458 - accuracy: 0.9305
457/750 [======>.....] - ETA: 0s - loss: 0.3469 - accuracy: 0.9299
530/750 [======>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9302
606/750 [======>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9304
680/750 [======>...] - ETA: 0s - loss: 0.3465 - accuracy: 0.9303
750/750 [=====] - 1s 817us/step - loss: 0.3461 - accuracy: 0.9304 - val_loss: 0.4809 - val_accuracy: 0.8873
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.4132 - accuracy: 0.9219
79/750 [==>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9330
153/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9309
231/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9277
307/750 [======>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9280
383/750 [======>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9285
461/750 [======>.....] - ETA: 0s - loss: 0.3491 - accuracy: 0.9291
537/750 [======>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9302
612/750 [======>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9302
690/750 [======>...] - ETA: 0s - loss: 0.3469 - accuracy: 0.9297
750/750 [=====] - 1s 805us/step - loss: 0.3472 - accuracy: 0.9298 - val_loss: 0.4761 - val_accuracy: 0.8880
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.2360 - accuracy:

0.9688 [.....] - ETA: 0s - loss: 0.3282 - accuracy: 0.9391
78/750 [==>.....] - ETA: 0s - loss: 0.3282 - accuracy: 0.9391
156/750 [====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9338
233/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9308
310/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy: 0.9314
387/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy: 0.9300
461/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9314
533/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9314
609/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9315
684/750 [=====>...] - ETA: 0s - loss: 0.3442 - accuracy: 0.9316
750/750 [=====] - 1s 812us/step - loss: 0.3447 - accuracy: 0.9312 - val_loss: 0.4993 - val_accuracy: 0.8820
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.3742 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.3408 - accuracy: 0.9345
154/750 [====>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9319
232/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9327
308/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.9328
383/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9328
462/750 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9329
538/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.9317
616/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9313
694/750 [=====>...] - ETA: 0s - loss: 0.3456 - accuracy: 0.9305
750/750 [=====] - 1s 800us/step - loss: 0.3455 - accuracy: 0.9305 - val_loss: 0.4756 - val_accuracy: 0.8854
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.2726 - accuracy: 0.9688
76/750 [==>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9312

0.9328 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9305
231/750 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy: 0.9330
306/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9323
379/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9319
453/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9323
526/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9330
602/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy: 0.9320
677/750 [=====>...] - ETA: 0s - loss: 0.3465 - accuracy: 0.9317
750/750 [=====] - 1s 813us/step - loss: 0.3465 - accuracy: 0.9314 - val_loss: 0.4656 - val_accuracy: 0.8889
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.3079 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.3447 - accuracy: 0.9317
151/750 [====>.....] - ETA: 0s - loss: 0.3399 - accuracy: 0.9329
227/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9315
306/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9313
383/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9306
457/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9309
532/750 [=====>.....] - ETA: 0s - loss: 0.3473 - accuracy: 0.9297
605/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy: 0.9296
680/750 [=====>...] - ETA: 0s - loss: 0.3469 - accuracy: 0.9301
750/750 [=====] - 1s 810us/step - loss: 0.3456 - accuracy: 0.9306 - val_loss: 0.4821 - val_accuracy: 0.8847
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.2253 - accuracy: 0.9844
76/750 [==>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9352
153/750 [====>.....] - ETA: 0s - loss: 0.3403 - accuracy:

0.9327 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
0.9331 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9319 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
0.9316 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.3457 - accuracy:
0.9319 [=====>...] - ETA: 0s - loss: 0.3450 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.3450 - accuracy:
0.9320 - val_loss: 0.4946 - val_accuracy: 0.8813
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.3747 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
157/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
0.9323 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9327 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9337 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9323 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9340 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9331 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.9320 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.3451 - accuracy:
0.9316 [=====>...] - ETA: 0s - loss: 0.3467 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.3467 - accuracy:
0.9305 - val_loss: 0.4735 - val_accuracy: 0.8861
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:

0.9337 [.....] - ETA: 0s - loss: 0.3431 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3431 - accuracy:
0.9318 [.....] - ETA: 0s - loss: 0.3444 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9310 [.....] - ETA: 0s - loss: 0.3449 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy:
0.9313 [.....] - ETA: 0s - loss: 0.3448 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9313 [.....] - ETA: 0s - loss: 0.3450 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
0.9312 [.....] - ETA: 0s - loss: 0.3456 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.3456 - accuracy:
0.9311 [.....] - 1s 817us/step - loss: 0.3463 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3463 - accuracy:
0.9309 - val_loss: 0.4934 - val_accuracy: 0.8807
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3529 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3529 - accuracy:
0.9320 [.....] - ETA: 0s - loss: 0.3466 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.3466 - accuracy:
0.9326 [.....] - ETA: 0s - loss: 0.3423 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9330 [.....] - ETA: 0s - loss: 0.3436 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
0.9318 [.....] - ETA: 0s - loss: 0.3462 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
0.9312 [.....] - ETA: 0s - loss: 0.3471 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9299 [.....] - ETA: 0s - loss: 0.3464 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9303 [.....] - ETA: 0s - loss: 0.3472 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9296 [.....] - ETA: 0s - loss: 0.3466 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.3466 - accuracy:
0.9301 [.....] - ETA: 0s - loss: 0.3453 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.3453 - accuracy:
0.9302 [.....] - 1s 822us/step - loss: 0.3453 - accuracy:
750/750 [=====] - 1s 822us/step - loss: 0.3453 - accuracy:
0.9302 - val_loss: 0.4727 - val_accuracy: 0.8870
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.3890 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3424 - accuracy:
79/750 [=>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9353 [.....] - ETA: 0s - loss: 0.3437 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9318 [.....] - ETA: 0s - loss: 0.3379 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:

0.9344 [.....] - ETA: 0s - loss: 0.3382 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9337 [.....] - ETA: 0s - loss: 0.3382 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9344 [.....] - ETA: 0s - loss: 0.3389 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9346 [.....] - ETA: 0s - loss: 0.3394 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9346 [.....] - ETA: 0s - loss: 0.3411 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
0.9334 [.....] - ETA: 0s - loss: 0.3419 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.3419 - accuracy:
0.9333 [.....] - 1s 812us/step - loss: 0.3429 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.3429 - accuracy:
0.9329 - val_loss: 0.4759 - val_accuracy: 0.8903
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.2399 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3389 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9308 [.....] - ETA: 0s - loss: 0.3353 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
0.9325 [.....] - ETA: 0s - loss: 0.3373 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9337 [.....] - ETA: 0s - loss: 0.3385 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9331 [.....] - ETA: 0s - loss: 0.3384 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9329 [.....] - ETA: 0s - loss: 0.3400 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy:
0.9327 [.....] - ETA: 0s - loss: 0.3421 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9315 [.....] - ETA: 0s - loss: 0.3420 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9313 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.3442 - accuracy:
0.9305 [.....] - 1s 817us/step - loss: 0.3448 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3448 - accuracy:
0.9305 - val_loss: 0.4829 - val_accuracy: 0.8840
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.2370 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3277 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9371 [.....] - ETA: 0s - loss: 0.3345 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9360 [.....] - ETA: 0s - loss: 0.3394 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9329 [.....] - ETA: 0s - loss: 0.3374 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:

0.9339 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
0.9323 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9316 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9309 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
682/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
0.9308 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.3449 - accuracy:
0.9311 - val_loss: 0.4799 - val_accuracy: 0.8859
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.2741 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9319 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9337 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
0.9340 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9328 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9319 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9319 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
677/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9321 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
750/750 [=====] - 1s 818us/step - loss: 0.3426 - accuracy:
0.9319 - val_loss: 0.4716 - val_accuracy: 0.8880
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.2866 - accuracy:
0.9688 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9330 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:

0.9333 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.3458 - accuracy:
0.9310 [=====>....] - ETA: 0s - loss: 0.3448 - accuracy:
746/750 [=====>.] - ETA: 0s - loss: 0.3448 - accuracy:
0.9315 [=====] - 1s 824us/step - loss: 0.3446 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.3446 - accuracy:
0.9315 - val_loss: 0.4781 - val_accuracy: 0.8852
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.3584 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3322 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9359 [==>.....] - ETA: 0s - loss: 0.3323 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9349 [====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9347 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9340 [=====>.....] - ETA: 0s - loss: 0.3399 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3399 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9334 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9333 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy:
684/750 [=====>....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9327 [=====>....] - ETA: 0s - loss: 0.3425 - accuracy:
750/750 [=====>] - 1s 813us/step - loss: 0.3425 - accuracy:
0.9325 - val_loss: 0.4785 - val_accuracy: 0.8873
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.3496 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3367 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9337 [==>.....] - ETA: 0s - loss: 0.3359 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9340 [====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:

0.9318
452/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9319
526/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9325
602/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9329
677/750 [=====>...] - ETA: 0s - loss: 0.3409 - accuracy:
0.9324
750/750 [=====] - 1s 816us/step - loss: 0.3415 - accuracy:
0.9322 - val_loss: 0.4780 - val_accuracy: 0.8857
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.3759 - accuracy:
0.8906
77/750 [==>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9371
152/750 [====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9364
227/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9372
302/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9364
379/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9358
444/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9355
520/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9340
596/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy:
0.9336
671/750 [=====>...] - ETA: 0s - loss: 0.3424 - accuracy:
0.9328
746/750 [=====>.] - ETA: 0s - loss: 0.3434 - accuracy:
0.9325
750/750 [=====] - 1s 824us/step - loss: 0.3436 - accuracy:
0.9324 - val_loss: 0.5136 - val_accuracy: 0.8753
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.3708 - accuracy:
0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9351
151/750 [====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9338
225/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9342
301/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9324
376/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:

0.9316 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
0.9301 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9310 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9308 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
679/750 [=====>...] - ETA: 0s - loss: 0.3447 - accuracy:
0.9309 [=====>...] - ETA: 0s - loss: 0.3436 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.3436 - accuracy:
0.9315 - val_loss: 0.5073 - val_accuracy: 0.8758
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.2449 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3411 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3411 - accuracy:
0.9326 [==>.....] - ETA: 0s - loss: 0.3352 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9355 [====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9315 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9322 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
454/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9321 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9313 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
683/750 [=====>...] - ETA: 0s - loss: 0.3435 - accuracy:
0.9323 [=====>...] - ETA: 0s - loss: 0.3435 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.3435 - accuracy:
0.9323 - val_loss: 0.4790 - val_accuracy: 0.8863
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3402 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9337 [==>.....] - ETA: 0s - loss: 0.3512 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9300 [====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
312/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9333 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
0.9319 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:

0.9316 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9321 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.3442 - accuracy:
0.9319 [=====] - 1s 801us/step - loss: 0.3435 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3435 - accuracy:
0.9320 - val_loss: 0.4726 - val_accuracy: 0.8860
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.2689 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3523 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9299 [====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9294 [====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
232/750 [====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9291 [====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
308/750 [====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9320 [====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
384/750 [====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9319 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
462/750 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9316 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
536/750 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9319 [====>.....] - ETA: 0s - loss: 0.3418 - accuracy:
613/750 [====>.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.9322 [====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
689/750 [====>...] - ETA: 0s - loss: 0.3419 - accuracy:
0.9322 [====>...] - ETA: 0s - loss: 0.3426 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3426 - accuracy:
0.9320 - val_loss: 0.4734 - val_accuracy: 0.8864
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.2493 - accuracy:
0.9844 [==>.....] - ETA: 0s - loss: 0.3415 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9300 [====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9343 [====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
230/750 [====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9350 [====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
306/750 [====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9344 [====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
383/750 [====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9355 [====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
459/750 [====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9347 [====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
535/750 [====>.....] - ETA: 0s - loss: 0.3389 - accuracy:

0.9347 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9343 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9343 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3407 - accuracy:
0.9338 - val_loss: 0.4853 - val_accuracy: 0.8832
Epoch 175/220

1/750 [=====] - ETA: 0s - loss: 0.3719 - accuracy:
0.9375 [=====] - ETA: 0s - loss: 0.3386 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9341 [==>.....] - ETA: 0s - loss: 0.3351 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
0.9379 [====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
229/750 [====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9374 [====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
306/750 [====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9338 [====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
381/750 [====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
0.9336 [====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
458/750 [====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9325 [====>.....] - ETA: 0s - loss: 0.3414 - accuracy:
536/750 [====>.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9331 [====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
612/750 [====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9337 [====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
689/750 [====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
0.9334 [====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.3420 - accuracy:
0.9329 - val_loss: 0.4956 - val_accuracy: 0.8800
Epoch 176/220

1/750 [=====] - ETA: 0s - loss: 0.3564 - accuracy:
0.9531 [=====] - ETA: 0s - loss: 0.3417 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9355 [==>.....] - ETA: 0s - loss: 0.3446 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9312 [====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
233/750 [====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9347 [====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
309/750 [====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9337 [====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
384/750 [====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9333 [====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
462/750 [====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
0.9326 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
537/750 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9326 [====>.....] - ETA: 0s - loss: 0.3418 - accuracy:
613/750 [====>.....] - ETA: 0s - loss: 0.3418 - accuracy:

0.9324 [=====] - ETA: 0s - loss: 0.3417 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.3417 - accuracy:
0.9328 [=====] - ETA: 0s - loss: 0.3417 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3420 - accuracy:
0.9329 - val_loss: 0.4847 - val_accuracy: 0.8866
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.2964 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.2964 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3195 - accuracy:
0.9432 [.....] - ETA: 0s - loss: 0.3195 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9381 [.....] - ETA: 0s - loss: 0.3270 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9355 [.....] - ETA: 0s - loss: 0.3335 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9342 [.....] - ETA: 0s - loss: 0.3390 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
0.9347 [.....] - ETA: 0s - loss: 0.3381 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9342 [.....] - ETA: 0s - loss: 0.3390 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9336 [.....] - ETA: 0s - loss: 0.3410 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9334 [.....] - ETA: 0s - loss: 0.3416 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.3424 - accuracy:
0.9333 [.....] - ETA: 0s - loss: 0.3424 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3423 - accuracy:
0.9334 - val_loss: 0.4780 - val_accuracy: 0.8870
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.2334 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.2334 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3286 - accuracy:
0.9393 [.....] - ETA: 0s - loss: 0.3286 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9380 [.....] - ETA: 0s - loss: 0.3295 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9353 [.....] - ETA: 0s - loss: 0.3342 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9362 [.....] - ETA: 0s - loss: 0.3331 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
0.9368 [.....] - ETA: 0s - loss: 0.3336 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9365 [.....] - ETA: 0s - loss: 0.3339 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9363 [.....] - ETA: 0s - loss: 0.3345 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9351 [.....] - ETA: 0s - loss: 0.3360 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.3383 - accuracy:

0.9344 [.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9375
750/750 [=====] - 1s 800us/step - loss: 0.3384 - accuracy: 0.9342 - val_loss: 0.4735 - val_accuracy: 0.8887
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.2652 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9369
151/750 [====>.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9385
229/750 [=====>.....] - ETA: 0s - loss: 0.3315 - accuracy: 0.9375
307/750 [======>.....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9371
382/750 [======>.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9357
459/750 [======>.....] - ETA: 0s - loss: 0.3369 - accuracy: 0.9357
533/750 [======>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9353
611/750 [======>.....] - ETA: 0s - loss: 0.3379 - accuracy: 0.9354
687/750 [======>...] - ETA: 0s - loss: 0.3398 - accuracy: 0.9344
750/750 [=====] - 1s 802us/step - loss: 0.3421 - accuracy: 0.9333 - val_loss: 0.4802 - val_accuracy: 0.8872
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9326
156/750 [====>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9327
232/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9331
308/750 [======>.....] - ETA: 0s - loss: 0.3387 - accuracy: 0.9336
386/750 [======>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9333
456/750 [======>.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9341
534/750 [======>.....] - ETA: 0s - loss: 0.3414 - accuracy: 0.9336
606/750 [======>.....] - ETA: 0s - loss: 0.3411 - accuracy: 0.9333
684/750 [======>...] - ETA: 0s - loss: 0.3422 - accuracy: 0.9331
750/750 [=====] - 1s 810us/step - loss: 0.3433 - accuracy: 0.9331

0.9325 - val_loss: 0.4922 - val_accuracy: 0.8849
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.2399 - accuracy:
0.9688
76/750 [==>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9365
153/750 [=====>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9398
231/750 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9376
306/750 [======>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9373
382/750 [======>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9363
460/750 [======>.....] - ETA: 0s - loss: 0.3387 - accuracy:
0.9353
536/750 [======>.....] - ETA: 0s - loss: 0.3400 - accuracy:
0.9351
613/750 [======>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9348
689/750 [======>...] - ETA: 0s - loss: 0.3402 - accuracy:
0.9349
750/750 [=====] - 1s 805us/step - loss: 0.3401 - accuracy:
0.9348 - val_loss: 0.5259 - val_accuracy: 0.8705
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.3953 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.3245 - accuracy:
0.9385
154/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9396
230/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9369
307/750 [======>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9362
384/750 [======>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9348
460/750 [======>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9345
538/750 [======>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9344
615/750 [======>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9339
689/750 [======>...] - ETA: 0s - loss: 0.3401 - accuracy:
0.9327
750/750 [=====] - 1s 816us/step - loss: 0.3391 - accuracy:
0.9329 - val_loss: 0.4941 - val_accuracy: 0.8812
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.2503 - accuracy: 0.9844
78/750 [==>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9321
153/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9323
231/750 [=====>.....] - ETA: 0s - loss: 0.3418 - accuracy: 0.9324
309/750 [======>.....] - ETA: 0s - loss: 0.3439 - accuracy: 0.9319
385/750 [======>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9332
461/750 [======>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9345
538/750 [======>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9340
613/750 [======>.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9340
690/750 [======>...] - ETA: 0s - loss: 0.3391 - accuracy: 0.9344
750/750 [=====] - 1s 804us/step - loss: 0.3406 - accuracy: 0.9336 - val_loss: 0.5196 - val_accuracy: 0.8778
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.4416 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9275
153/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy: 0.9348
229/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9349
305/750 [======>.....] - ETA: 0s - loss: 0.3350 - accuracy: 0.9359
383/750 [======>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9358
458/750 [======>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9352
533/750 [======>.....] - ETA: 0s - loss: 0.3368 - accuracy: 0.9348
612/750 [======>.....] - ETA: 0s - loss: 0.3378 - accuracy: 0.9342
686/750 [======>...] - ETA: 0s - loss: 0.3388 - accuracy: 0.9340
750/750 [=====] - 1s 804us/step - loss: 0.3384 - accuracy: 0.9345 - val_loss: 0.5274 - val_accuracy: 0.8719
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.4792 - accuracy:

0.8750
78/750 [==>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9299
156/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9334
232/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy: 0.9337
306/750 [======>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9338
383/750 [======>.....] - ETA: 0s - loss: 0.3368 - accuracy: 0.9353
459/750 [======>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9341
538/750 [======>.....] - ETA: 0s - loss: 0.3372 - accuracy: 0.9352
614/750 [======>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.9351
692/750 [======>...] - ETA: 0s - loss: 0.3398 - accuracy: 0.9345
750/750 [=====] - 1s 798us/step - loss: 0.3392 - accuracy: 0.9346 - val_loss: 0.4949 - val_accuracy: 0.8826
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.2920 - accuracy: 0.9531
75/750 [==>.....] - ETA: 0s - loss: 0.3198 - accuracy: 0.9423
151/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9366
229/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy: 0.9342
305/750 [======>.....] - ETA: 0s - loss: 0.3380 - accuracy: 0.9352
383/750 [======>.....] - ETA: 0s - loss: 0.3377 - accuracy: 0.9359
461/750 [======>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9342
539/750 [======>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9343
614/750 [======>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9342
689/750 [======>...] - ETA: 0s - loss: 0.3388 - accuracy: 0.9346
750/750 [=====] - 1s 805us/step - loss: 0.3411 - accuracy: 0.9336 - val_loss: 0.5028 - val_accuracy: 0.8852
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.2426 - accuracy: 0.9688
78/750 [==>.....] - ETA: 0s - loss: 0.3180 - accuracy:

0.9423 [====>.....] - ETA: 0s - loss: 0.3264 - accuracy: 0.9401
232/750 [=====>.....] - ETA: 0s - loss: 0.3292 - accuracy: 0.9381
311/750 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9377
386/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy: 0.9362
464/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9361
541/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy: 0.9367
619/750 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9362
699/750 [=====>...] - ETA: 0s - loss: 0.3391 - accuracy: 0.9350
750/750 [=====>] - 1s 797us/step - loss: 0.3384 - accuracy: 0.9352 - val_loss: 0.4983 - val_accuracy: 0.8810
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.3848 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3372 - accuracy: 0.9328
154/750 [====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9336
233/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9335
307/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9328
385/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9337
464/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy: 0.9333
540/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9335
617/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy: 0.9333
693/750 [=====>...] - ETA: 0s - loss: 0.3391 - accuracy: 0.9335
750/750 [=====>] - 1s 802us/step - loss: 0.3413 - accuracy: 0.9325 - val_loss: 0.4873 - val_accuracy: 0.8876
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.4497 - accuracy: 0.8594
77/750 [==>.....] - ETA: 0s - loss: 0.3267 - accuracy: 0.9367
156/750 [====>.....] - ETA: 0s - loss: 0.3346 - accuracy:

0.9358 [.....] - ETA: 0s - loss: 0.3339 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9363 [.....] - ETA: 0s - loss: 0.3343 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9364 [.....] - ETA: 0s - loss: 0.3364 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9350 [.....] - ETA: 0s - loss: 0.3366 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3366 - accuracy:
0.9351 [.....] - ETA: 0s - loss: 0.3377 - accuracy:
544/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
0.9345 [.....] - ETA: 0s - loss: 0.3386 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9342 [.....] - ETA: 0s - loss: 0.3386 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.3386 - accuracy:
0.9343 [.....] - 1s 796us/step - loss: 0.3392 - accuracy:
750/750 [=====] - 1s 796us/step - loss: 0.3392 - accuracy:
0.9343 - val_loss: 0.4851 - val_accuracy: 0.8855
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.2423 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3360 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9339 [.....] - ETA: 0s - loss: 0.3329 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9380 [.....] - ETA: 0s - loss: 0.3318 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy:
0.9393 [.....] - ETA: 0s - loss: 0.3355 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9371 [.....] - ETA: 0s - loss: 0.3375 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9358 [.....] - ETA: 0s - loss: 0.3359 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9368 [.....] - ETA: 0s - loss: 0.3387 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3387 - accuracy:
0.9357 [.....] - ETA: 0s - loss: 0.3386 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9358 [.....] - ETA: 0s - loss: 0.3385 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.3385 - accuracy:
0.9359 [.....] - 1s 798us/step - loss: 0.3387 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.3387 - accuracy:
0.9357 - val_loss: 0.4845 - val_accuracy: 0.8870
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.3542 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3433 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3433 - accuracy:
0.9325 [.....] - ETA: 0s - loss: 0.3457 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
0.9322 [.....] - ETA: 0s - loss: 0.3433 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:

0.9338 [.....] - ETA: 0s - loss: 0.3385 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9361 [.....] - ETA: 0s - loss: 0.3392 - accuracy:
389/750 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy:
0.9353 [.....] - ETA: 0s - loss: 0.3382 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9348 [.....] - ETA: 0s - loss: 0.3366 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.3366 - accuracy:
0.9355 [.....] - ETA: 0s - loss: 0.3361 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9357 [.....] - ETA: 0s - loss: 0.3356 - accuracy:
695/750 [=====>...] - ETA: 0s - loss: 0.3356 - accuracy:
0.9360 [.....] - 1s 794us/step - loss: 0.3366 - accuracy:
0.9359 - val_loss: 0.4854 - val_accuracy: 0.8860
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.3231 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3297 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3297 - accuracy:
0.9377 [.....] - ETA: 0s - loss: 0.3346 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
0.9355 [.....] - ETA: 0s - loss: 0.3367 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9354 [.....] - ETA: 0s - loss: 0.3353 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
0.9362 [.....] - ETA: 0s - loss: 0.3393 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9346 [.....] - ETA: 0s - loss: 0.3364 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9360 [.....] - ETA: 0s - loss: 0.3349 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9367 [.....] - ETA: 0s - loss: 0.3343 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9366 [.....] - ETA: 0s - loss: 0.3355 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.3355 - accuracy:
0.9360 [.....] - 1s 801us/step - loss: 0.3362 - accuracy:
0.9359 - val_loss: 0.4936 - val_accuracy: 0.8814
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3283 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3283 - accuracy:
0.9405 [.....] - ETA: 0s - loss: 0.3324 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
0.9380 [.....] - ETA: 0s - loss: 0.3391 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy:
0.9349 [.....] - ETA: 0s - loss: 0.3406 - accuracy:
312/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:

0.9347 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
466/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9346 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
543/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9345 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9339 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9344 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.3389 - accuracy:
0.9340 - val_loss: 0.5051 - val_accuracy: 0.8768
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3198 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3366 - accuracy:
0.9367 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9345 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9355 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3385 - accuracy:
0.9352 - val_loss: 0.4846 - val_accuracy: 0.8873
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.2267 - accuracy:
1.0000 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9399 [=====>.....] - ETA: 0s - loss: 0.3330 - accuracy:
155/750 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy:
0.9401 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
0.9395 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:

0.9373 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9369 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9367 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.3382 - accuracy:
0.9357 [=====>...] - ETA: 0s - loss: 0.3379 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3379 - accuracy:
0.9359 - val_loss: 0.4805 - val_accuracy: 0.8876
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3394 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9347 [==>.....] - ETA: 0s - loss: 0.3347 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9359 [====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
388/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9365 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
465/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.3381 - accuracy:
0.9350 [=====>...] - ETA: 0s - loss: 0.3377 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3377 - accuracy:
0.9355 - val_loss: 0.4932 - val_accuracy: 0.8845
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.2188 - accuracy:
1.0000 [.....] - ETA: 0s - loss: 0.3256 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3256 - accuracy:
0.9428 [==>.....] - ETA: 0s - loss: 0.3208 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9455 [====>.....] - ETA: 0s - loss: 0.3286 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9391 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9389 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
454/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:

0.9373 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9364 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3369 - accuracy:
0.9365 - val_loss: 0.4808 - val_accuracy: 0.8883
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.2723 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
79/750 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9420 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
155/750 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
0.9430 [=====>.....] - ETA: 0s - loss: 0.3257 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3257 - accuracy:
0.9422 [=====>.....] - ETA: 0s - loss: 0.3236 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3236 - accuracy:
0.9430 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
0.9395 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9385 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9388 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.3351 - accuracy:
0.9372 - val_loss: 0.5182 - val_accuracy: 0.8797
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.3155 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9399 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
157/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9402 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:

0.9372 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9370 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3379 - accuracy:
0.9361 - val_loss: 0.4813 - val_accuracy: 0.8900
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.2706 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3255 - accuracy:
78/750 [=>.....] - ETA: 0s - loss: 0.3255 - accuracy:
0.9445 [=>.....] - ETA: 0s - loss: 0.3329 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9395 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9387 [=====>.....] - ETA: 0s - loss: 0.3315 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9389 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.3377 - accuracy:
0.9360 - val_loss: 0.4779 - val_accuracy: 0.8900
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3358 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9361 [=>.....] - ETA: 0s - loss: 0.3321 - accuracy:
139/750 [=====>.....] - ETA: 0s - loss: 0.3321 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
283/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9340 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:

0.9354 [=====>....] - ETA: 0s - loss: 0.3341 - accuracy:
664/750 [=====>....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9359 [=====>....] - ETA: 0s - loss: 0.3349 - accuracy:
739/750 [=====>....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9358 [=====>....] - ETA: 0s - loss: 0.3351 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.3351 - accuracy:
0.9358 - val_loss: 0.4933 - val_accuracy: 0.8852
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.2828 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3197 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3197 - accuracy:
0.9451 [==>.....] - ETA: 0s - loss: 0.3262 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3262 - accuracy:
0.9410 [====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9376 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
0.9347 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
681/750 [=====>....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9350 [=====>....] - ETA: 0s - loss: 0.3381 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.3381 - accuracy:
0.9348 - val_loss: 0.4858 - val_accuracy: 0.8888
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3376 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9355 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9378 [====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
0.9362 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9357 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:

0.9358
691/750 [=====>...] - ETA: 0s - loss: 0.3359 - accuracy:
0.9362
750/750 [=====] - 1s 801us/step - loss: 0.3352 - accuracy:
0.9362 - val_loss: 0.4896 - val_accuracy: 0.8863
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.2734 - accuracy:
0.9688
77/750 [==>.....] - ETA: 0s - loss: 0.3346 - accuracy:
0.9367
155/750 [====>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9371
232/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9378
308/750 [=====>.....] - ETA: 0s - loss: 0.3291 - accuracy:
0.9384
388/750 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9375
463/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9370
541/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy:
0.9371
619/750 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy:
0.9373
696/750 [=====>...] - ETA: 0s - loss: 0.3356 - accuracy:
0.9368
750/750 [=====] - 1s 796us/step - loss: 0.3363 - accuracy:
0.9363 - val_loss: 0.4874 - val_accuracy: 0.8862
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.3127 - accuracy:
0.9375
80/750 [==>.....] - ETA: 0s - loss: 0.3258 - accuracy:
0.9406
153/750 [====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9402
232/750 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy:
0.9383
309/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9366
385/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9371
460/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9379
536/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9373
613/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9379
688/750 [=====>...] - ETA: 0s - loss: 0.3360 - accuracy:

0.9380
750/750 [=====] - 1s 801us/step - loss: 0.3355 - accuracy:
0.9381 - val_loss: 0.5035 - val_accuracy: 0.8807
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.3465 - accuracy:
0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9355
155/750 [====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9358
233/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9352
310/750 [======>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9352
388/750 [======>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9353
464/750 [======>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9362
542/750 [======>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9363
619/750 [======>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9363
696/750 [======>...] - ETA: 0s - loss: 0.3358 - accuracy:
0.9364
750/750 [=====] - 1s 800us/step - loss: 0.3369 - accuracy:
0.9359 - val_loss: 0.4911 - val_accuracy: 0.8854
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.2794 - accuracy:
0.9688
78/750 [==>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9325
156/750 [====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9366
231/750 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy:
0.9363
309/750 [======>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9357
384/750 [======>.....] - ETA: 0s - loss: 0.3366 - accuracy:
0.9366
462/750 [======>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9367
539/750 [======>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9361
616/750 [======>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9368
694/750 [======>...] - ETA: 0s - loss: 0.3373 - accuracy:
0.9365
750/750 [=====] - 1s 801us/step - loss: 0.3393 - accuracy:

0.9357 - val_loss: 0.4913 - val_accuracy: 0.8870
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9412
153/750 [=====>.....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9423
232/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9395
307/750 [======>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9396
383/750 [======>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9382
460/750 [======>.....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9387
537/750 [======>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9379
615/750 [======>.....] - ETA: 0s - loss: 0.3350 - accuracy:
0.9376
692/750 [======>...] - ETA: 0s - loss: 0.3339 - accuracy:
0.9378
750/750 [=====] - 1s 802us/step - loss: 0.3346 - accuracy:
0.9374 - val_loss: 0.4819 - val_accuracy: 0.8891
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.2964 - accuracy:
0.9531
78/750 [==>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9345
155/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9311
231/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9332
306/750 [======>.....] - ETA: 0s - loss: 0.3353 - accuracy:
0.9339
384/750 [======>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9346
461/750 [======>.....] - ETA: 0s - loss: 0.3371 - accuracy:
0.9343
539/750 [======>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9343
615/750 [======>.....] - ETA: 0s - loss: 0.3362 - accuracy:
0.9346
692/750 [======>...] - ETA: 0s - loss: 0.3356 - accuracy:
0.9355
750/750 [=====] - 1s 801us/step - loss: 0.3357 - accuracy:
0.9356 - val_loss: 0.4906 - val_accuracy: 0.8874
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.3254 - accuracy: 0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.3231 - accuracy: 0.9412
154/750 [====>.....] - ETA: 0s - loss: 0.3240 - accuracy: 0.9386
232/750 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy: 0.9390
308/750 [======>.....] - ETA: 0s - loss: 0.3296 - accuracy: 0.9384
384/750 [======>.....] - ETA: 0s - loss: 0.3317 - accuracy: 0.9383
461/750 [======>.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.9378
535/750 [======>.....] - ETA: 0s - loss: 0.3334 - accuracy: 0.9377
613/750 [======>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9382
692/750 [======>...] - ETA: 0s - loss: 0.3339 - accuracy: 0.9379
750/750 [=====] - 1s 801us/step - loss: 0.3331 - accuracy: 0.9382 - val_loss: 0.4810 - val_accuracy: 0.8868
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.2980 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.3202 - accuracy: 0.9420
152/750 [====>.....] - ETA: 0s - loss: 0.3265 - accuracy: 0.9396
227/750 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy: 0.9404
305/750 [======>.....] - ETA: 0s - loss: 0.3269 - accuracy: 0.9411
383/750 [======>.....] - ETA: 0s - loss: 0.3310 - accuracy: 0.9393
459/750 [======>.....] - ETA: 0s - loss: 0.3297 - accuracy: 0.9400
535/750 [======>.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.9388
613/750 [======>.....] - ETA: 0s - loss: 0.3347 - accuracy: 0.9382
685/750 [======>...] - ETA: 0s - loss: 0.3345 - accuracy: 0.9380
750/750 [=====] - 1s 806us/step - loss: 0.3356 - accuracy: 0.9375 - val_loss: 0.4929 - val_accuracy: 0.8852
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.2933 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9355
77/750 [==>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9355
154/750 [====>.....] - ETA: 0s - loss: 0.3316 - accuracy: 0.9401
229/750 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy: 0.9403
307/750 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy: 0.9380
382/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy: 0.9382
459/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9387
536/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy: 0.9386
609/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9378
684/750 [=====>...] - ETA: 0s - loss: 0.3336 - accuracy: 0.9388
750/750 [=====] - 1s 808us/step - loss: 0.3338 - accuracy: 0.9390 - val_loss: 0.4959 - val_accuracy: 0.8848
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9219
76/750 [==>.....] - ETA: 0s - loss: 0.3208 - accuracy: 0.9416
154/750 [====>.....] - ETA: 0s - loss: 0.3237 - accuracy: 0.9419
231/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy: 0.9389
306/750 [=====>.....] - ETA: 0s - loss: 0.3304 - accuracy: 0.9382
383/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9389
462/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy: 0.9383
538/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9377
616/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy: 0.9367
693/750 [=====>...] - ETA: 0s - loss: 0.3363 - accuracy: 0.9364
750/750 [=====] - 1s 802us/step - loss: 0.3372 - accuracy: 0.9361 - val_loss: 0.4864 - val_accuracy: 0.8859
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.2910 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3342 - accuracy: 0.9375

0.9347 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9394 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy:
0.9398 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9387 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy:
0.9377 [=====>...] - ETA: 0s - loss: 0.3338 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.3342 - accuracy:
0.9375 [=====] - 1s 806us/step - loss: 0.3342 - accuracy:
0.9375 - val_loss: 0.4878 - val_accuracy: 0.8853
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.3162 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3264 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9412 [==>.....] - ETA: 0s - loss: 0.3285 - accuracy:
229/750 [==>.....] - ETA: 0s - loss: 0.3291 - accuracy:
0.9387 [==>.....] - ETA: 0s - loss: 0.3297 - accuracy:
305/750 [==>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9385 [==>.....] - ETA: 0s - loss: 0.3308 - accuracy:
381/750 [==>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9387 [==>...] - ETA: 0s - loss: 0.3314 - accuracy:
456/750 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
0.9388 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
530/750 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
0.9388 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
607/750 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
0.9386 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
681/750 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
0.9382 [==>...] - ETA: 0s - loss: 0.3321 - accuracy:
750/750 [==>] - 1s 810us/step - loss: 0.3321 - accuracy:
0.9378 - val_loss: 0.4949 - val_accuracy: 0.8855
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.3089 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3237 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9433 [==>.....] - ETA: 0s - loss: 0.3292 - accuracy:
151/750 [==>.....] - ETA: 0s - loss: 0.3292 - accuracy:

0.9411 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
0.9385 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9388 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
454/750 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9376 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.3343 - accuracy:
0.9380 [=====>...] - ETA: 0s - loss: 0.3349 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.3349 - accuracy:
0.9377 - val_loss: 0.4878 - val_accuracy: 0.8889
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.4162 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3235 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3235 - accuracy:
0.9462 [==>.....] - ETA: 0s - loss: 0.3299 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3299 - accuracy:
0.9403 [====>.....] - ETA: 0s - loss: 0.3283 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.3283 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9396 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
0.9395 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
0.9391 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9391 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.3370 - accuracy:
0.9371 [=====>...] - ETA: 0s - loss: 0.3376 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.3376 - accuracy:
0.9367 - val_loss: 0.4901 - val_accuracy: 0.8881
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.4376 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3320 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3320 - accuracy:
0.9381 [==>.....] - ETA: 0s - loss: 0.3375 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9363 [====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:

0.9361 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9371 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
465/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.3339 - accuracy:
0.9383 [=====>...] - ETA: 0s - loss: 0.3335 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.3335 - accuracy:
0.9381 - val_loss: 0.4904 - val_accuracy: 0.8881
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.4119 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3385 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9338 [==>.....] - ETA: 0s - loss: 0.3342 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9381 [====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9371 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy:
0.9389 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.3347 - accuracy:
0.9385 [=====>...] - ETA: 0s - loss: 0.3346 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.3346 - accuracy:
0.9384 - val_loss: 0.5003 - val_accuracy: 0.8813
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.2646 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3292 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9438 [==>.....] - ETA: 0s - loss: 0.3313 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9417 [====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9403 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:

```

0.9389
385/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9388
460/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9391
536/750 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9393
612/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9386
690/750 [=====>...] - ETA: 0s - loss: 0.3335 - accuracy:
0.9388
750/750 [=====] - 1s 802us/step - loss: 0.3337 - accuracy:
0.9386 - val_loss: 0.4855 - val_accuracy: 0.8887

```

```

1/313 [.....] - ETA: 3s - loss: 0.5969 - accuracy:
0.8438
109/313 [=====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
0.8784
220/313 [=====>.....] - ETA: 0s - loss: 0.5304 - accuracy:
0.8746
313/313 [=====] - 0s 465us/step - loss: 0.5180 - accuracy:
0.8791
Testing loss: 0.5179632306098938
Testing accuracy: 87.91000247001648%

```

Running for Model 3/12

Model: "sequential_3"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 40)	31400
hidden1 (Dense)	(None, 40)	1640
hidden2 (Dense)	(None, 40)	1640
hidden3 (Dense)	(None, 40)	1640
hidden4 (Dense)	(None, 40)	1640
output_layer (Dense)	(None, 10)	410
Total params: 38,370		
Trainable params: 38,370		
Non-trainable params: 0		

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.01 and

```
L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 40,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
40, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 40,
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}]
```

Epoch 1/220

```
1/750 [.....] - ETA: 2:11 - loss: 2.5801 - accuracy:
0.0469
82/750 [==>.....] - ETA: 0s - loss: 2.4992 - accuracy: 0.1448
172/750 [=====>.....] - ETA: 0s - loss: 2.3791 - accuracy:
0.1903
259/750 [======>.....] - ETA: 0s - loss: 2.2404 - accuracy:
0.2233
348/750 [======>.....] - ETA: 0s - loss: 2.1014 - accuracy:
0.2935
437/750 [======>.....] - ETA: 0s - loss: 1.9689 - accuracy:
0.3522
521/750 [======>.....] - ETA: 0s - loss: 1.8552 - accuracy:
0.3985
610/750 [======>.....] - ETA: 0s - loss: 1.7526 - accuracy:
0.4400
697/750 [======>...] - ETA: 0s - loss: 1.6685 - accuracy:
0.4732
750/750 [=====] - 1s 809us/step - loss: 1.6246 - accuracy:
0.4900 - val_loss: 1.0299 - val_accuracy: 0.7156
```

Epoch 2/220

```
1/750 [.....] - ETA: 0s - loss: 1.0865 - accuracy:
0.6562
83/750 [==>.....] - ETA: 0s - loss: 1.0037 - accuracy:
0.7244
167/750 [=====>.....] - ETA: 0s - loss: 0.9855 - accuracy:
0.7291
252/750 [======>.....] - ETA: 0s - loss: 0.9766 - accuracy:
0.7328
334/750 [======>.....] - ETA: 0s - loss: 0.9649 - accuracy:
0.7374
416/750 [======>.....] - ETA: 0s - loss: 0.9532 - accuracy:
0.7418
497/750 [======>.....] - ETA: 0s - loss: 0.9409 - accuracy:
0.7472
584/750 [======>.....] - ETA: 0s - loss: 0.9325 - accuracy:
0.7504
666/750 [======>...] - ETA: 0s - loss: 0.9227 - accuracy:
0.7545
750/750 [=====] - ETA: 0s - loss: 0.9154 - accuracy:
```

0.7582
750/750 [=====] - 1s 741us/step - loss: 0.9154 - accuracy:
0.7582 - val_loss: 0.8482 - val_accuracy: 0.7850
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 0.8368 - accuracy:
0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.8422 - accuracy:
0.7908
175/750 [=====>.....] - ETA: 0s - loss: 0.8508 - accuracy:
0.7846
258/750 [=====>.....] - ETA: 0s - loss: 0.8408 - accuracy:
0.7881
344/750 [======>.....] - ETA: 0s - loss: 0.8390 - accuracy:
0.7895
426/750 [======>.....] - ETA: 0s - loss: 0.8285 - accuracy:
0.7940
510/750 [======>.....] - ETA: 0s - loss: 0.8218 - accuracy:
0.7960
598/750 [======>.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.7968
686/750 [======>...] - ETA: 0s - loss: 0.8158 - accuracy:
0.7984
750/750 [=====] - 1s 709us/step - loss: 0.8122 - accuracy:
0.7997 - val_loss: 0.8025 - val_accuracy: 0.8013
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 0.6754 - accuracy:
0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.7880 - accuracy:
0.8139
179/750 [=====>.....] - ETA: 0s - loss: 0.7792 - accuracy:
0.8163
269/750 [=====>.....] - ETA: 0s - loss: 0.7718 - accuracy:
0.8170
359/750 [======>.....] - ETA: 0s - loss: 0.7746 - accuracy:
0.8167
448/750 [======>.....] - ETA: 0s - loss: 0.7712 - accuracy:
0.8181
539/750 [======>.....] - ETA: 0s - loss: 0.7722 - accuracy:
0.8168
630/750 [======>.....] - ETA: 0s - loss: 0.7685 - accuracy:
0.8173
716/750 [======>..] - ETA: 0s - loss: 0.7675 - accuracy:
0.8181
750/750 [=====] - 1s 688us/step - loss: 0.7661 - accuracy:
0.8189 - val_loss: 0.7815 - val_accuracy: 0.8102
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 0.6948 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.7491 - accuracy: 0.8237
89/750 [==>.....] - ETA: 0s - loss: 0.7484 - accuracy: 0.8237
179/750 [=====>.....] - ETA: 0s - loss: 0.7478 - accuracy: 0.8242
268/750 [=====>.....] - ETA: 0s - loss: 0.7449 - accuracy: 0.8235
355/750 [======>.....] - ETA: 0s - loss: 0.7393 - accuracy: 0.8267
445/750 [======>.....] - ETA: 0s - loss: 0.7363 - accuracy: 0.8270
532/750 [======>.....] - ETA: 0s - loss: 0.7347 - accuracy: 0.8273
622/750 [======>.....] - ETA: 0s - loss: 0.7356 - accuracy: 0.8267
709/750 [======>..] - ETA: 0s - loss: 0.7362 - accuracy: 0.8262
750/750 [=====] - 1s 694us/step - loss: 0.7316 - val_loss: 0.7316 - val_accuracy: 0.8284
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 1.0442 - accuracy: 0.6406
90/750 [==>.....] - ETA: 0s - loss: 0.7182 - accuracy: 0.8337
179/750 [=====>.....] - ETA: 0s - loss: 0.7238 - accuracy: 0.8313
267/750 [=====>.....] - ETA: 0s - loss: 0.7268 - accuracy: 0.8293
357/750 [======>.....] - ETA: 0s - loss: 0.7231 - accuracy: 0.8312
449/750 [======>.....] - ETA: 0s - loss: 0.7192 - accuracy: 0.8324
536/750 [======>.....] - ETA: 0s - loss: 0.7179 - accuracy: 0.8325
625/750 [======>.....] - ETA: 0s - loss: 0.7163 - accuracy: 0.8328
717/750 [======>..] - ETA: 0s - loss: 0.7156 - accuracy: 0.8335
750/750 [=====] - 1s 690us/step - loss: 0.7112 - val_loss: 0.7112 - val_accuracy: 0.8334
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 0.5149 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.7163 - accuracy: 0.8346
177/750 [=====>.....] - ETA: 0s - loss: 0.7035 - accuracy: 0.8392
265/750 [=====>.....] - ETA: 0s - loss: 0.6991 - accuracy: 0.8392

0.8390 [=====>.....] - ETA: 0s - loss: 0.6988 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.6988 - accuracy:
0.8389 [=====>.....] - ETA: 0s - loss: 0.7009 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
0.8370 [=====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.7008 - accuracy:
0.8369 [=====>.....] - ETA: 0s - loss: 0.6978 - accuracy:
621/750 [=====>..] - ETA: 0s - loss: 0.6964 - accuracy:
0.8391 [=====] - 1s 693us/step - loss: 0.6964 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.6964 - accuracy:
0.8395 - val_loss: 0.7037 - val_accuracy: 0.8339
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.6736 - accuracy:
92/750 [==>.....] - ETA: 0s - loss: 0.6782 - accuracy:
0.8424 [==>.....] - ETA: 0s - loss: 0.6835 - accuracy:
180/750 [==>.....] - ETA: 0s - loss: 0.6817 - accuracy:
0.8432 [==>.....] - ETA: 0s - loss: 0.6820 - accuracy:
270/750 [==>.....] - ETA: 0s - loss: 0.6813 - accuracy:
0.8416 [==>.....] - ETA: 0s - loss: 0.6793 - accuracy:
358/750 [==>.....] - ETA: 0s - loss: 0.6787 - accuracy:
0.8419 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
446/750 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8427 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
535/750 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8422 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
609/750 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8426 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
700/750 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8431 [==>.....] - ETA: 0s - loss: 0.6799 - accuracy:
750/750 [==>.....] - 1s 704us/step - loss: 0.6799 - accuracy:
0.8424 - val_loss: 0.6913 - val_accuracy: 0.8383
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.6870 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.6787 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.6643 - accuracy:
0.8359 [==>.....] - ETA: 0s - loss: 0.6713 - accuracy:
173/750 [==>.....] - ETA: 0s - loss: 0.6664 - accuracy:
0.8429 [==>.....] - ETA: 0s - loss: 0.6653 - accuracy:
260/750 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:
0.8424 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:
349/750 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:
0.8451 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:
430/750 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:
0.8458 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:
518/750 [==>.....] - ETA: 0s - loss: 0.6634 - accuracy:

0.8469 [=====>.....] - ETA: 0s - loss: 0.6643 - accuracy:
0.8468 [=====>.....] - ETA: 0s - loss: 0.6666 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6660 - accuracy:
0.8455 [=====] - 1s 713us/step - loss: 0.6660 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.6660 - accuracy:
0.8456 - val_loss: 0.6773 - val_accuracy: 0.8422
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8438 [=====>.....] - ETA: 0s - loss: 0.6757 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.6757 - accuracy:
0.8457 [=====>.....] - ETA: 0s - loss: 0.6581 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.6581 - accuracy:
0.8495 [=====>.....] - ETA: 0s - loss: 0.6528 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.6528 - accuracy:
0.8497 [=====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
0.8478 [=====>.....] - ETA: 0s - loss: 0.6591 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.6591 - accuracy:
0.8474 [=====>.....] - ETA: 0s - loss: 0.6573 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.6573 - accuracy:
0.8481 [=====>.....] - ETA: 0s - loss: 0.6551 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.6551 - accuracy:
0.8491 [=====>.....] - ETA: 0s - loss: 0.6519 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.6519 - accuracy:
0.8501 [=====>..] - 1s 709us/step - loss: 0.6514 - accuracy:
750/750 [=====] - 1s 709us/step - loss: 0.6514 - accuracy:
0.8503 - val_loss: 0.6550 - val_accuracy: 0.8482
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.7946 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.6555 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.6555 - accuracy:
0.8485 [=====>.....] - ETA: 0s - loss: 0.6510 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.6510 - accuracy:
0.8489 [=====>.....] - ETA: 0s - loss: 0.6484 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.6484 - accuracy:
0.8502 [=====>.....] - ETA: 0s - loss: 0.6461 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.6461 - accuracy:
0.8511 [=====>.....] - ETA: 0s - loss: 0.6452 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.6452 - accuracy:
0.8508 [=====>.....] - ETA: 0s - loss: 0.6453 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.6453 - accuracy:
0.8508 [=====>.....] - ETA: 0s - loss: 0.6429 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.6429 - accuracy:
700/750 [=====>..] - ETA: 0s - loss: 0.6414 - accuracy:
0.8525 [=====>..] - 1s 706us/step - loss: 0.6399 - accuracy:
750/750 [=====] - 1s 706us/step - loss: 0.6399 - accuracy:

0.8528 - val_loss: 0.6460 - val_accuracy: 0.8527
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.6284 - accuracy: 0.8548
173/750 [=====>.....] - ETA: 0s - loss: 0.6303 - accuracy: 0.8560
259/750 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.8539
348/750 [======>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.8556
434/750 [======>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.8531
520/750 [======>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.8539
611/750 [======>.....] - ETA: 0s - loss: 0.6311 - accuracy: 0.8541
698/750 [======>...] - ETA: 0s - loss: 0.6304 - accuracy: 0.8546
750/750 [=====] - 1s 708us/step - loss: 0.6294 - accuracy: 0.8547 - val_loss: 0.6481 - val_accuracy: 0.8501
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.9062
83/750 [==>.....] - ETA: 0s - loss: 0.6012 - accuracy: 0.8680
170/750 [=====>.....] - ETA: 0s - loss: 0.6070 - accuracy: 0.8650
254/750 [=====>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.8638
342/750 [======>.....] - ETA: 0s - loss: 0.6138 - accuracy: 0.8615
431/750 [======>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.8606
517/750 [======>.....] - ETA: 0s - loss: 0.6165 - accuracy: 0.8597
594/750 [======>.....] - ETA: 0s - loss: 0.6179 - accuracy: 0.8589
679/750 [======>...] - ETA: 0s - loss: 0.6177 - accuracy: 0.8594
750/750 [=====] - 1s 720us/step - loss: 0.6184 - accuracy: 0.8593 - val_loss: 0.6322 - val_accuracy: 0.8531
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.5201 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.6139 - accuracy:

0.8587 [=====>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8593
264/750 [=====>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.8604
350/750 [=====>.....] - ETA: 0s - loss: 0.6086 - accuracy: 0.8606
442/750 [=====>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.8589
528/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8595
618/750 [=====>.....] - ETA: 0s - loss: 0.6108 - accuracy: 0.8595
704/750 [=====>..] - ETA: 0s - loss: 0.6118 - accuracy: 0.8594
750/750 [=====] - 1s 704us/step - loss: 0.6111 - accuracy: 0.8595 - val_loss: 0.6153 - val_accuracy: 0.8581
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.4846 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8651
172/750 [====>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8622
256/750 [=====>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.8625
343/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8625
433/750 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy: 0.8610
521/750 [=====>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.8617
609/750 [=====>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.8616
698/750 [=====>...] - ETA: 0s - loss: 0.6005 - accuracy: 0.8625
750/750 [=====] - 1s 709us/step - loss: 0.6006 - accuracy: 0.8625 - val_loss: 0.6169 - val_accuracy: 0.8582
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.5784 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.5976 - accuracy: 0.8610
176/750 [=====>.....] - ETA: 0s - loss: 0.6018 - accuracy: 0.8569
262/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.8613
349/750 [=====>.....] - ETA: 0s - loss: 0.5993 - accuracy:

0.8593
438/750 [=====>.....] - ETA: 0s - loss: 0.5979 - accuracy:
0.8610
524/750 [=====>.....] - ETA: 0s - loss: 0.5967 - accuracy:
0.8621
609/750 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy:
0.8636
695/750 [=====>...] - ETA: 0s - loss: 0.5914 - accuracy:
0.8644
750/750 [=====] - 1s 713us/step - loss: 0.5918 - accuracy:
0.8642 - val_loss: 0.6254 - val_accuracy: 0.8515
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.4994 - accuracy:
0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.5837 - accuracy:
0.8626
180/750 [=====>.....] - ETA: 0s - loss: 0.5864 - accuracy:
0.8622
270/750 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy:
0.8645
358/750 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy:
0.8649
448/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy:
0.8631
538/750 [=====>.....] - ETA: 0s - loss: 0.5845 - accuracy:
0.8642
625/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
0.8647
716/750 [=====>..] - ETA: 0s - loss: 0.5846 - accuracy:
0.8645
750/750 [=====] - 1s 693us/step - loss: 0.5841 - accuracy:
0.8652 - val_loss: 0.6023 - val_accuracy: 0.8602
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.6256 - accuracy:
0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.5794 - accuracy:
0.8636
167/750 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
0.8669
249/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8668
336/750 [=====>.....] - ETA: 0s - loss: 0.5796 - accuracy:
0.8662
420/750 [=====>.....] - ETA: 0s - loss: 0.5798 - accuracy:
0.8669
503/750 [=====>.....] - ETA: 0s - loss: 0.5784 - accuracy:
0.8672
589/750 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:

0.8673 [=====] - ETA: 0s - loss: 0.5787 - accuracy: 0.8665
671/750 [=====>....] - ETA: 0s - loss: 0.5787 - accuracy: 0.8665
750/750 [=====] - 1s 728us/step - loss: 0.5775 - accuracy: 0.8670 - val_loss: 0.5948 - val_accuracy: 0.8646
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.8125
86/750 [==>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.8676
174/750 [====>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.8666
261/750 [=====>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.8674
349/750 [=====>.....] - ETA: 0s - loss: 0.5701 - accuracy: 0.8696
436/750 [=====>.....] - ETA: 0s - loss: 0.5706 - accuracy: 0.8693
523/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.8697
611/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8694
698/750 [=====>...] - ETA: 0s - loss: 0.5701 - accuracy: 0.8696
750/750 [=====] - 1s 706us/step - loss: 0.5699 - accuracy: 0.8696 - val_loss: 0.5833 - val_accuracy: 0.8637
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.5104 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.8621
177/750 [=====>.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.8693
263/750 [=====>.....] - ETA: 0s - loss: 0.5639 - accuracy: 0.8713
351/750 [=====>.....] - ETA: 0s - loss: 0.5613 - accuracy: 0.8721
438/750 [=====>.....] - ETA: 0s - loss: 0.5618 - accuracy: 0.8715
523/750 [=====>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.8699
608/750 [=====>.....] - ETA: 0s - loss: 0.5647 - accuracy: 0.8696
694/750 [=====>...] - ETA: 0s - loss: 0.5631 - accuracy: 0.8698
750/750 [=====] - 1s 714us/step - loss: 0.5633 - accuracy: 0.8700 - val_loss: 0.5919 - val_accuracy: 0.8599
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.6879 - accuracy: 0.8125
88/750 [==>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.8643
177/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.8670
265/750 [=====>.....] - ETA: 0s - loss: 0.5611 - accuracy: 0.8687
350/750 [======>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8701
440/750 [======>.....] - ETA: 0s - loss: 0.5618 - accuracy: 0.8692
526/750 [======>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.8695
611/750 [======>.....] - ETA: 0s - loss: 0.5608 - accuracy: 0.8701
699/750 [======>...] - ETA: 0s - loss: 0.5584 - accuracy: 0.8714
750/750 [=====] - 1s 704us/step - loss: 0.5574 - accuracy: 0.8717 - val_loss: 0.5720 - val_accuracy: 0.8668
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.8723
175/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8729
264/750 [=====>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.8742
348/750 [======>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.8756
437/750 [======>.....] - ETA: 0s - loss: 0.5516 - accuracy: 0.8750
521/750 [======>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.8746
607/750 [======>.....] - ETA: 0s - loss: 0.5490 - accuracy: 0.8751
696/750 [======>...] - ETA: 0s - loss: 0.5510 - accuracy: 0.8739
750/750 [=====] - 1s 709us/step - loss: 0.5513 - accuracy: 0.8735 - val_loss: 0.5701 - val_accuracy: 0.8658
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.4876 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5584 - accuracy: 0.8719
174/750 [=====>.....] - ETA: 0s - loss: 0.5566 - accuracy:

0.8731 [=====>.....] - ETA: 0s - loss: 0.5517 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8733 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy:
0.8731 [=====>.....] - ETA: 0s - loss: 0.5525 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5525 - accuracy:
0.8728 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy:
0.8725 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy:
0.8732 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.5468 - accuracy:
0.8741 [=====>...] - ETA: 0s - loss: 0.5459 - accuracy:
750/750 [=====] - 1s 717us/step - loss: 0.5459 - accuracy:
0.8746 - val_loss: 0.5697 - val_accuracy: 0.8657
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.4877 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5326 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8824 [==>.....] - ETA: 0s - loss: 0.5399 - accuracy:
168/750 [====>.....] - ETA: 0s - loss: 0.5399 - accuracy:
0.8785 [====>.....] - ETA: 0s - loss: 0.5421 - accuracy:
241/750 [=====>.....] - ETA: 0s - loss: 0.5421 - accuracy:
0.8766 [=====>.....] - ETA: 0s - loss: 0.5419 - accuracy:
329/750 [=====>.....] - ETA: 0s - loss: 0.5419 - accuracy:
0.8761 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy:
414/750 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy:
0.8756 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.5399 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.5399 - accuracy:
0.8761 [=====>.....] - ETA: 0s - loss: 0.5389 - accuracy:
683/750 [=====>...] - ETA: 0s - loss: 0.5389 - accuracy:
0.8765 [=====>...] - ETA: 0s - loss: 0.5397 - accuracy:
750/750 [=====] - 1s 710us/step - loss: 0.5397 - accuracy:
0.8762 - val_loss: 0.5803 - val_accuracy: 0.8604
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.4829 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5435 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5435 - accuracy:
0.8770 [==>.....] - ETA: 0s - loss: 0.5392 - accuracy:
169/750 [====>.....] - ETA: 0s - loss: 0.5392 - accuracy:
0.8774 [====>.....] - ETA: 0s - loss: 0.5337 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy:
0.8795 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8788 [=====>.....] - ETA: 0s - loss: 0.5355 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5355 - accuracy:

0.8772 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8767 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy:
709/750 [=====>..] - ETA: 0s - loss: 0.5341 - accuracy:
0.8767 [=====] - 1s 698us/step - loss: 0.5345 - accuracy:
750/750 [=====] - 1s 698us/step - loss: 0.5345 - accuracy:
0.8763 - val_loss: 0.5754 - val_accuracy: 0.8602
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.5540 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.5127 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5127 - accuracy:
0.8863 [====>.....] - ETA: 0s - loss: 0.5183 - accuracy:
177/750 [====>.....] - ETA: 0s - loss: 0.5183 - accuracy:
0.8831 [====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
250/750 [====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
0.8821 [====>.....] - ETA: 0s - loss: 0.5233 - accuracy:
338/750 [====>.....] - ETA: 0s - loss: 0.5233 - accuracy:
0.8808 [====>.....] - ETA: 0s - loss: 0.5251 - accuracy:
423/750 [====>.....] - ETA: 0s - loss: 0.5251 - accuracy:
0.8801 [====>.....] - ETA: 0s - loss: 0.5257 - accuracy:
509/750 [====>.....] - ETA: 0s - loss: 0.5257 - accuracy:
0.8795 [====>.....] - ETA: 0s - loss: 0.5258 - accuracy:
599/750 [====>.....] - ETA: 0s - loss: 0.5258 - accuracy:
0.8798 [====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
678/750 [====>...] - ETA: 0s - loss: 0.5274 - accuracy:
0.8788 [====>...] - ETA: 0s - loss: 0.5294 - accuracy:
750/750 [====>] - 1s 722us/step - loss: 0.5294 - accuracy:
0.8781 - val_loss: 0.5543 - val_accuracy: 0.8702
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.4890 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.5273 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.5273 - accuracy:
0.8765 [====>.....] - ETA: 0s - loss: 0.5287 - accuracy:
169/750 [====>.....] - ETA: 0s - loss: 0.5287 - accuracy:
0.8766 [====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
251/750 [====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
0.8791 [====>.....] - ETA: 0s - loss: 0.5235 - accuracy:
336/750 [====>.....] - ETA: 0s - loss: 0.5235 - accuracy:
0.8791 [====>.....] - ETA: 0s - loss: 0.5230 - accuracy:
419/750 [====>.....] - ETA: 0s - loss: 0.5230 - accuracy:
0.8794 [====>.....] - ETA: 0s - loss: 0.5228 - accuracy:
504/750 [====>.....] - ETA: 0s - loss: 0.5228 - accuracy:
0.8793 [====>.....] - ETA: 0s - loss: 0.5258 - accuracy:
590/750 [====>.....] - ETA: 0s - loss: 0.5258 - accuracy:
0.8782 [====>.....] - ETA: 0s - loss: 0.5254 - accuracy:
673/750 [====>....] - ETA: 0s - loss: 0.5254 - accuracy:

0.8783
750/750 [=====] - 1s 733us/step - loss: 0.5246 - accuracy:
0.8785 - val_loss: 0.5482 - val_accuracy: 0.8701
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8594
84/750 [==>.....] - ETA: 0s - loss: 0.5094 - accuracy:
0.8856
165/750 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
0.8852
248/750 [=====>.....] - ETA: 0s - loss: 0.5093 - accuracy:
0.8843
334/750 [======>.....] - ETA: 0s - loss: 0.5121 - accuracy:
0.8813
412/750 [======>.....] - ETA: 0s - loss: 0.5179 - accuracy:
0.8795
498/750 [======>.....] - ETA: 0s - loss: 0.5192 - accuracy:
0.8782
584/750 [======>.....] - ETA: 0s - loss: 0.5177 - accuracy:
0.8792
667/750 [======>....] - ETA: 0s - loss: 0.5199 - accuracy:
0.8787
750/750 [=====] - 1s 733us/step - loss: 0.5203 - accuracy:
0.8790 - val_loss: 0.5426 - val_accuracy: 0.8727
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.4846 - accuracy:
0.8750
83/750 [==>.....] - ETA: 0s - loss: 0.5190 - accuracy:
0.8820
165/750 [=====>.....] - ETA: 0s - loss: 0.5082 - accuracy:
0.8840
246/750 [=====>.....] - ETA: 0s - loss: 0.5060 - accuracy:
0.8843
329/750 [======>.....] - ETA: 0s - loss: 0.5097 - accuracy:
0.8831
413/750 [======>.....] - ETA: 0s - loss: 0.5164 - accuracy:
0.8804
497/750 [======>.....] - ETA: 0s - loss: 0.5145 - accuracy:
0.8808
575/750 [======>.....] - ETA: 0s - loss: 0.5142 - accuracy:
0.8812
653/750 [======>....] - ETA: 0s - loss: 0.5155 - accuracy:
0.8807
735/750 [======>.] - ETA: 0s - loss: 0.5154 - accuracy:
0.8805
750/750 [=====] - 1s 749us/step - loss: 0.5156 - accuracy:
0.8804 - val_loss: 0.5439 - val_accuracy: 0.8690
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.4566 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.5116 - accuracy: 0.8804
169/750 [=====>.....] - ETA: 0s - loss: 0.5021 - accuracy: 0.8853
253/750 [=====>.....] - ETA: 0s - loss: 0.5019 - accuracy: 0.8844
344/750 [======>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.8825
425/750 [======>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.8819
506/750 [======>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.8823
586/750 [======>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.8813
666/750 [======>....] - ETA: 0s - loss: 0.5114 - accuracy: 0.8816
747/750 [======>.] - ETA: 0s - loss: 0.5109 - accuracy: 0.8825
750/750 [=====] - 1s 741us/step - loss: 0.5108 - accuracy: 0.8825 - val_loss: 0.5484 - val_accuracy: 0.8670
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.6721 - accuracy: 0.8125
88/750 [==>.....] - ETA: 0s - loss: 0.5083 - accuracy: 0.8842
170/750 [=====>.....] - ETA: 0s - loss: 0.5178 - accuracy: 0.8791
259/750 [=====>.....] - ETA: 0s - loss: 0.5204 - accuracy: 0.8771
344/750 [======>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8786
422/750 [======>.....] - ETA: 0s - loss: 0.5133 - accuracy: 0.8793
508/750 [======>.....] - ETA: 0s - loss: 0.5111 - accuracy: 0.8804
598/750 [======>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.8812
679/750 [======>...] - ETA: 0s - loss: 0.5083 - accuracy: 0.8821
750/750 [=====] - 1s 725us/step - loss: 0.5085 - accuracy: 0.8825 - val_loss: 0.5448 - val_accuracy: 0.8658
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.6083 - accuracy: 0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.5203 - accuracy:

0.8755 [=====>.....] - ETA: 0s - loss: 0.5179 - accuracy: 0.8792
255/750 [=====>.....] - ETA: 0s - loss: 0.5143 - accuracy: 0.8808
335/750 [=====>.....] - ETA: 0s - loss: 0.5115 - accuracy: 0.8815
406/750 [=====>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.8830
487/750 [=====>.....] - ETA: 0s - loss: 0.5056 - accuracy: 0.8829
543/750 [=====>.....] - ETA: 0s - loss: 0.5028 - accuracy: 0.8835
624/750 [=====>.....] - ETA: 0s - loss: 0.5008 - accuracy: 0.8847
708/750 [=====>..] - ETA: 0s - loss: 0.5024 - accuracy: 0.8841
750/750 [=====] - 1s 769us/step - loss: 0.5029 - accuracy: 0.8842 - val_loss: 0.5525 - val_accuracy: 0.8662
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.6286 - accuracy: 0.8438
79/750 [==>.....] - ETA: 0s - loss: 0.4886 - accuracy: 0.8900
157/750 [====>.....] - ETA: 0s - loss: 0.4922 - accuracy: 0.8909
237/750 [=====>.....] - ETA: 0s - loss: 0.4967 - accuracy: 0.8885
320/750 [=====>.....] - ETA: 0s - loss: 0.4992 - accuracy: 0.8869
402/750 [=====>.....] - ETA: 0s - loss: 0.5012 - accuracy: 0.8852
486/750 [=====>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.8845
575/750 [=====>.....] - ETA: 0s - loss: 0.5003 - accuracy: 0.8848
663/750 [=====>....] - ETA: 0s - loss: 0.4994 - accuracy: 0.8844
750/750 [=====] - 1s 738us/step - loss: 0.4990 - accuracy: 0.8845 - val_loss: 0.5509 - val_accuracy: 0.8649
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.4305 - accuracy: 0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.4821 - accuracy: 0.8880
165/750 [====>.....] - ETA: 0s - loss: 0.4910 - accuracy: 0.8877
254/750 [=====>.....] - ETA: 0s - loss: 0.4906 - accuracy:

0.8875 [=====>.....] - ETA: 0s - loss: 0.4937 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.4933 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.4941 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.4935 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.4938 - accuracy:
0.8862 [=====>.....] - ETA: 0s - loss: 0.4950 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.4950 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.4950 - accuracy:
665/750 [=====>.....] - ETA: 0s - loss: 0.4950 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.4950 - accuracy:
750/750 [=====] - 1s 736us/step - loss: 0.4950 - accuracy:
0.8849 - val_loss: 0.5392 - val_accuracy: 0.8676
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.5204 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.4823 - accuracy:
91/750 [=====>.....] - ETA: 0s - loss: 0.4870 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.4870 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.4863 - accuracy:
0.8894 [=====>.....] - ETA: 0s - loss: 0.4889 - accuracy:
259/750 [=====>.....] - ETA: 0s - loss: 0.4895 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.4904 - accuracy:
342/750 [=====>.....] - ETA: 0s - loss: 0.4896 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
410/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
481/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
563/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
650/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
738/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
0.8867 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy:
750/750 [=====] - 1s 749us/step - loss: 0.4913 - accuracy:
0.8867 - val_loss: 0.5199 - val_accuracy: 0.8739
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.3713 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.4865 - accuracy:
85/750 [=====>.....] - ETA: 0s - loss: 0.4826 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.4910 - accuracy:
167/750 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:
0.8907 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:
257/750 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.4918 - accuracy:

0.8869 [=====>.....] - ETA: 0s - loss: 0.4865 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.4865 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.4866 - accuracy:
600/750 [=====>.....] - ETA: 0s - loss: 0.4866 - accuracy:
0.8867 [=====>.....] - ETA: 0s - loss: 0.4901 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.4901 - accuracy:
0.8854 [=====] - 1s 712us/step - loss: 0.4889 - accuracy:
750/750 [=====] - 1s 712us/step - loss: 0.4889 - accuracy:
0.8860 - val_loss: 0.5791 - val_accuracy: 0.8514
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.4748 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.4873 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.4873 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.4854 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.4854 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.4809 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.4809 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.4803 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.4803 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.4798 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.4798 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.4830 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.4830 - accuracy:
0.8876 [=====>.....] - ETA: 0s - loss: 0.4837 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.4837 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.4836 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.4836 - accuracy:
0.8872 [=====>..] - 1s 700us/step - loss: 0.4852 - accuracy:
750/750 [=====>..] - 1s 700us/step - loss: 0.4852 - accuracy:
0.8867 - val_loss: 0.5230 - val_accuracy: 0.8728
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.4031 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.4761 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.4761 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.4797 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.4797 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.4844 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.4844 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.4813 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.4813 - accuracy:
0.8887 [=====>.....] - ETA: 0s - loss: 0.4825 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.4825 - accuracy:
0.8887 [=====>.....] - ETA: 0s - loss: 0.4804 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.4804 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.4829 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.4829 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.4823 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.4823 - accuracy:

0.8878
750/750 [=====] - 1s 697us/step - loss: 0.4813 - accuracy:
0.8878 - val_loss: 0.5231 - val_accuracy: 0.8710
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.3775 - accuracy:
0.9375
83/750 [==>.....] - ETA: 0s - loss: 0.4646 - accuracy:
0.8955
173/750 [=====>.....] - ETA: 0s - loss: 0.4736 - accuracy:
0.8889
259/750 [=====>.....] - ETA: 0s - loss: 0.4753 - accuracy:
0.8891
347/750 [======>.....] - ETA: 0s - loss: 0.4776 - accuracy:
0.8885
438/750 [======>.....] - ETA: 0s - loss: 0.4787 - accuracy:
0.8872
526/750 [======>.....] - ETA: 0s - loss: 0.4800 - accuracy:
0.8866
615/750 [======>.....] - ETA: 0s - loss: 0.4791 - accuracy:
0.8875
703/750 [======>..] - ETA: 0s - loss: 0.4794 - accuracy:
0.8873
750/750 [=====] - 1s 705us/step - loss: 0.4799 - accuracy:
0.8875 - val_loss: 0.5225 - val_accuracy: 0.8712
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.4714 - accuracy:
0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4888 - accuracy:
0.8820
180/750 [=====>.....] - ETA: 0s - loss: 0.4814 - accuracy:
0.8848
266/750 [=====>.....] - ETA: 0s - loss: 0.4770 - accuracy:
0.8870
358/750 [======>.....] - ETA: 0s - loss: 0.4764 - accuracy:
0.8874
447/750 [======>.....] - ETA: 0s - loss: 0.4767 - accuracy:
0.8875
534/750 [======>.....] - ETA: 0s - loss: 0.4732 - accuracy:
0.8883
625/750 [======>.....] - ETA: 0s - loss: 0.4739 - accuracy:
0.8879
715/750 [======>..] - ETA: 0s - loss: 0.4752 - accuracy:
0.8880
750/750 [=====] - 1s 697us/step - loss: 0.4748 - accuracy:
0.8883 - val_loss: 0.5207 - val_accuracy: 0.8727
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.4195 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.4706 - accuracy: 0.8857
89/750 [==>.....] - ETA: 0s - loss: 0.4706 - accuracy: 0.8857
179/750 [=====>.....] - ETA: 0s - loss: 0.4746 - accuracy: 0.8875
267/750 [=====>.....] - ETA: 0s - loss: 0.4701 - accuracy: 0.8885
353/750 [=====>.....] - ETA: 0s - loss: 0.4711 - accuracy: 0.8871
442/750 [=====>.....] - ETA: 0s - loss: 0.4709 - accuracy: 0.8880
530/750 [=====>.....] - ETA: 0s - loss: 0.4701 - accuracy: 0.8892
618/750 [=====>.....] - ETA: 0s - loss: 0.4699 - accuracy: 0.8900
705/750 [=====>..] - ETA: 0s - loss: 0.4725 - accuracy: 0.8893
750/750 [=====>] - 1s 698us/step - loss: 0.4729 - accuracy: 0.8890 - val_loss: 0.5157 - val_accuracy: 0.8729
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.8125
84/750 [==>.....] - ETA: 0s - loss: 0.4723 - accuracy: 0.8871
166/750 [=====>.....] - ETA: 0s - loss: 0.4689 - accuracy: 0.8888
245/750 [=====>.....] - ETA: 0s - loss: 0.4720 - accuracy: 0.8886
332/750 [=====>.....] - ETA: 0s - loss: 0.4762 - accuracy: 0.8861
424/750 [=====>.....] - ETA: 0s - loss: 0.4722 - accuracy: 0.8885
515/750 [=====>.....] - ETA: 0s - loss: 0.4723 - accuracy: 0.8885
602/750 [=====>.....] - ETA: 0s - loss: 0.4718 - accuracy: 0.8889
684/750 [=====>...] - ETA: 0s - loss: 0.4687 - accuracy: 0.8905
750/750 [=====>] - 1s 729us/step - loss: 0.4694 - accuracy: 0.8902 - val_loss: 0.5290 - val_accuracy: 0.8675
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.4906 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.4617 - accuracy: 0.8951
176/750 [=====>.....] - ETA: 0s - loss: 0.4622 - accuracy: 0.8930
262/750 [=====>.....] - ETA: 0s - loss: 0.4629 - accuracy: 0.8930

0.8938 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy:
344/750 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy:
0.8949 [=====>.....] - ETA: 0s - loss: 0.4648 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.4648 - accuracy:
0.8944 [=====>.....] - ETA: 0s - loss: 0.4674 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.4674 - accuracy:
0.8926 [=====>.....] - ETA: 0s - loss: 0.4695 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.4695 - accuracy:
0.8909 [=====>.....] - ETA: 0s - loss: 0.4668 - accuracy:
683/750 [=====>...] - ETA: 0s - loss: 0.4668 - accuracy:
0.8915 [=====>...] - ETA: 0s - loss: 0.4665 - accuracy:
750/750 [=====] - 1s 725us/step - loss: 0.4665 - accuracy:
0.8914 - val_loss: 0.5097 - val_accuracy: 0.8739
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.3924 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4582 - accuracy:
83/750 [==>.....] - ETA: 0s - loss: 0.4582 - accuracy:
0.8933 [==>.....] - ETA: 0s - loss: 0.4624 - accuracy:
168/750 [====>.....] - ETA: 0s - loss: 0.4624 - accuracy:
0.8956 [====>.....] - ETA: 0s - loss: 0.4616 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.4616 - accuracy:
0.8936 [=====>.....] - ETA: 0s - loss: 0.4605 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.4613 - accuracy:
0.8936 [=====>.....] - ETA: 0s - loss: 0.4624 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.4624 - accuracy:
0.8926 [=====>.....] - ETA: 0s - loss: 0.4619 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.4619 - accuracy:
0.8921 [=====>.....] - ETA: 0s - loss: 0.4631 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.4631 - accuracy:
0.8929 [=====>...] - ETA: 0s - loss: 0.4631 - accuracy:
687/750 [=====>...] - ETA: 0s - loss: 0.4649 - accuracy:
0.8920 [=====>...] - ETA: 0s - loss: 0.4649 - accuracy:
750/750 [=====] - 1s 717us/step - loss: 0.4649 - accuracy:
0.8915 - val_loss: 0.5076 - val_accuracy: 0.8760
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.4427 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.4687 - accuracy:
82/750 [==>.....] - ETA: 0s - loss: 0.4687 - accuracy:
0.8885 [==>.....] - ETA: 0s - loss: 0.4598 - accuracy:
165/750 [====>.....] - ETA: 0s - loss: 0.4598 - accuracy:
0.8895 [====>.....] - ETA: 0s - loss: 0.4613 - accuracy:
246/750 [=====>.....] - ETA: 0s - loss: 0.4613 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.4586 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.4586 - accuracy:
0.8926 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy:
0.8928 [=====>.....] - ETA: 0s - loss: 0.4592 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.4592 - accuracy:

0.8930
545/750 [=====>.....] - ETA: 0s - loss: 0.4622 - accuracy:
0.8918
634/750 [=====>.....] - ETA: 0s - loss: 0.4616 - accuracy:
0.8925
724/750 [=====>..] - ETA: 0s - loss: 0.4619 - accuracy:
0.8917
750/750 [=====] - 1s 756us/step - loss: 0.4615 - accuracy:
0.8917 - val_loss: 0.5094 - val_accuracy: 0.8752
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.4140 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.4570 - accuracy:
0.8895
169/750 [====>.....] - ETA: 0s - loss: 0.4619 - accuracy:
0.8891
251/750 [=====>.....] - ETA: 0s - loss: 0.4615 - accuracy:
0.8889
334/750 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy:
0.8901
419/750 [=====>.....] - ETA: 0s - loss: 0.4611 - accuracy:
0.8908
496/750 [=====>.....] - ETA: 0s - loss: 0.4594 - accuracy:
0.8916
576/750 [=====>.....] - ETA: 0s - loss: 0.4604 - accuracy:
0.8910
659/750 [=====>....] - ETA: 0s - loss: 0.4586 - accuracy:
0.8922
745/750 [=====>.] - ETA: 0s - loss: 0.4590 - accuracy:
0.8923
750/750 [=====] - 1s 737us/step - loss: 0.4588 - accuracy:
0.8925 - val_loss: 0.5009 - val_accuracy: 0.8767
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.4715 - accuracy:
0.8750
81/750 [==>.....] - ETA: 0s - loss: 0.4542 - accuracy:
0.8962
162/750 [====>.....] - ETA: 0s - loss: 0.4577 - accuracy:
0.8927
250/750 [=====>.....] - ETA: 0s - loss: 0.4524 - accuracy:
0.8942
335/750 [=====>.....] - ETA: 0s - loss: 0.4531 - accuracy:
0.8937
417/750 [=====>.....] - ETA: 0s - loss: 0.4539 - accuracy:
0.8937
498/750 [=====>.....] - ETA: 0s - loss: 0.4552 - accuracy:
0.8938
577/750 [=====>.....] - ETA: 0s - loss: 0.4544 - accuracy:

0.8939 [=====>....] - ETA: 0s - loss: 0.4540 - accuracy:
0.8943 [=====>....] - ETA: 0s - loss: 0.4548 - accuracy:
747/750 [=====>.] - ETA: 0s - loss: 0.4546 - accuracy:
0.8942 [=====] - 1s 740us/step - loss: 0.4546 - accuracy:
0.8943 - val_loss: 0.5076 - val_accuracy: 0.8744
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.4107 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.4426 - accuracy:
0.8994 [=====>.....] - ETA: 0s - loss: 0.4456 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.4462 - accuracy:
0.8975 [=====>.....] - ETA: 0s - loss: 0.4478 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.4520 - accuracy:
0.8945 [=====>.....] - ETA: 0s - loss: 0.4540 - accuracy:
0.8940 [=====>.....] - ETA: 0s - loss: 0.4553 - accuracy:
607/750 [=====>....] - ETA: 0s - loss: 0.4538 - accuracy:
0.8937 [=====>....] - ETA: 0s - loss: 0.4534 - accuracy:
698/750 [=====>....] - ETA: 0s - loss: 0.4534 - accuracy:
0.8938 [=====] - 1s 714us/step - loss: 0.4534 - accuracy:
0.8939 - val_loss: 0.5174 - val_accuracy: 0.8694
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.5147 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.4555 - accuracy:
0.8915 [=====>.....] - ETA: 0s - loss: 0.4478 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.4493 - accuracy:
0.8953 [=====>.....] - ETA: 0s - loss: 0.4494 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.4478 - accuracy:
0.8959 [=====>.....] - ETA: 0s - loss: 0.4488 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.4508 - accuracy:
0.8961 [=====>.....] - ETA: 0s - loss: 0.4511 - accuracy:
433/750 [=====>....] - ETA: 0s - loss: 0.4510 - accuracy:
0.8965 [=====>....] - ETA: 0s - loss: 0.4510 - accuracy:
522/750 [=====>....] - ETA: 0s - loss: 0.4510 - accuracy:
0.8964 [=====] - 1s 729us/step - loss: 0.4510 - accuracy:
605/750 [=====>....] - ETA: 0s - loss: 0.4510 - accuracy:
0.8949 [=====>....] - ETA: 0s - loss: 0.4510 - accuracy:
687/750 [=====>....] - ETA: 0s - loss: 0.4510 - accuracy:
0.8945 [=====] - 1s 729us/step - loss: 0.4510 - accuracy:

0.8945 - val_loss: 0.4989 - val_accuracy: 0.8776
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.4904 - accuracy:
0.8281
91/750 [==>.....] - ETA: 0s - loss: 0.4303 - accuracy:
0.9013
175/750 [=====>.....] - ETA: 0s - loss: 0.4347 - accuracy:
0.8971
257/750 [=====>.....] - ETA: 0s - loss: 0.4451 - accuracy:
0.8951
337/750 [======>.....] - ETA: 0s - loss: 0.4473 - accuracy:
0.8937
423/750 [======>.....] - ETA: 0s - loss: 0.4463 - accuracy:
0.8939
511/750 [======>.....] - ETA: 0s - loss: 0.4472 - accuracy:
0.8940
596/750 [======>.....] - ETA: 0s - loss: 0.4487 - accuracy:
0.8936
684/750 [======>...] - ETA: 0s - loss: 0.4488 - accuracy:
0.8938
750/750 [=====] - 1s 753us/step - loss: 0.4486 - accuracy:
0.8937 - val_loss: 0.4969 - val_accuracy: 0.8777
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.3845 - accuracy:
0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.4510 - accuracy:
0.8938
155/750 [=====>.....] - ETA: 0s - loss: 0.4496 - accuracy:
0.8913
231/750 [=====>.....] - ETA: 0s - loss: 0.4467 - accuracy:
0.8929
301/750 [======>.....] - ETA: 0s - loss: 0.4453 - accuracy:
0.8938
383/750 [======>.....] - ETA: 0s - loss: 0.4490 - accuracy:
0.8927
459/750 [======>.....] - ETA: 0s - loss: 0.4487 - accuracy:
0.8928
538/750 [======>.....] - ETA: 0s - loss: 0.4466 - accuracy:
0.8936
608/750 [======>.....] - ETA: 0s - loss: 0.4460 - accuracy:
0.8942
694/750 [======>...] - ETA: 0s - loss: 0.4453 - accuracy:
0.8948
750/750 [=====] - 1s 784us/step - loss: 0.4463 - accuracy:
0.8941 - val_loss: 0.4973 - val_accuracy: 0.8765
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.4040 - accuracy:

0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.4539 - accuracy: 0.8924
175/750 [=====>.....] - ETA: 0s - loss: 0.4472 - accuracy: 0.8945
265/750 [=====>.....] - ETA: 0s - loss: 0.4409 - accuracy: 0.8963
351/750 [=====>.....] - ETA: 0s - loss: 0.4432 - accuracy: 0.8952
434/750 [=====>.....] - ETA: 0s - loss: 0.4437 - accuracy: 0.8958
520/750 [=====>.....] - ETA: 0s - loss: 0.4436 - accuracy: 0.8967
603/750 [=====>.....] - ETA: 0s - loss: 0.4427 - accuracy: 0.8973
693/750 [=====>...] - ETA: 0s - loss: 0.4450 - accuracy: 0.8964
750/750 [=====>] - 1s 717us/step - loss: 0.4436 - accuracy: 0.8969 - val_loss: 0.5135 - val_accuracy: 0.8708
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.4331 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.4293 - accuracy: 0.9026
171/750 [=====>.....] - ETA: 0s - loss: 0.4388 - accuracy: 0.8982
259/750 [=====>.....] - ETA: 0s - loss: 0.4417 - accuracy: 0.8968
347/750 [=====>.....] - ETA: 0s - loss: 0.4457 - accuracy: 0.8958
435/750 [=====>.....] - ETA: 0s - loss: 0.4418 - accuracy: 0.8970
524/750 [=====>.....] - ETA: 0s - loss: 0.4437 - accuracy: 0.8962
610/750 [=====>.....] - ETA: 0s - loss: 0.4428 - accuracy: 0.8965
700/750 [=====>..] - ETA: 0s - loss: 0.4429 - accuracy: 0.8967
750/750 [=====>] - 1s 706us/step - loss: 0.4422 - accuracy: 0.8966 - val_loss: 0.4932 - val_accuracy: 0.8796
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.3958 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.4439 - accuracy: 0.8945
175/750 [=====>.....] - ETA: 0s - loss: 0.4398 - accuracy: 0.8943
266/750 [=====>.....] - ETA: 0s - loss: 0.4392 - accuracy:

0.8957 [=====>.....] - ETA: 0s - loss: 0.4428 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.4428 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.4424 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.4424 - accuracy:
0.8952 [=====>.....] - ETA: 0s - loss: 0.4436 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.4436 - accuracy:
0.8947 [=====>.....] - ETA: 0s - loss: 0.4408 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.4408 - accuracy:
0.8957 [=====>.....] - ETA: 0s - loss: 0.4406 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.4406 - accuracy:
0.8960 [=====>..] - ETA: 0s - loss: 0.4392 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.4392 - accuracy:
0.8964 - val_loss: 0.4933 - val_accuracy: 0.8775
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.4640 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4409 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.4409 - accuracy:
0.9011 [==>.....] - ETA: 0s - loss: 0.4402 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.4402 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.4375 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.4375 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.4362 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.4362 - accuracy:
0.8980 [=====>.....] - ETA: 0s - loss: 0.4376 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.4376 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.4385 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.4385 - accuracy:
0.8965 [=====>.....] - ETA: 0s - loss: 0.4389 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.4389 - accuracy:
0.8964 [=====>.....] - ETA: 0s - loss: 0.4384 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.4384 - accuracy:
0.8964 [=====>..] - ETA: 0s - loss: 0.4392 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.4392 - accuracy:
0.8959 - val_loss: 0.4994 - val_accuracy: 0.8764
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.4390 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.4351 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.4351 - accuracy:
0.9011 [==>.....] - ETA: 0s - loss: 0.4309 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.4309 - accuracy:
0.8985 [=====>.....] - ETA: 0s - loss: 0.4335 - accuracy:
271/750 [=====>.....] - ETA: 0s - loss: 0.4335 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.4350 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.4350 - accuracy:
0.8964 [=====>.....] - ETA: 0s - loss: 0.4364 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.4364 - accuracy:
0.8959 [=====>.....] - ETA: 0s - loss: 0.4372 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.4372 - accuracy:

0.8959 [=====] - ETA: 0s - loss: 0.4369 - accuracy: 0.8961
628/750 [=====>.....] - ETA: 0s - loss: 0.4369 - accuracy: 0.8961
717/750 [=====>..] - ETA: 0s - loss: 0.4355 - accuracy: 0.8966
750/750 [=====] - 1s 690us/step - loss: 0.4359 - accuracy: 0.8966 - val_loss: 0.4977 - val_accuracy: 0.8747
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.3418 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.4223 - accuracy: 0.9013
176/750 [=====>.....] - ETA: 0s - loss: 0.4352 - accuracy: 0.8958
267/750 [=====>.....] - ETA: 0s - loss: 0.4338 - accuracy: 0.8982
354/750 [=====>.....] - ETA: 0s - loss: 0.4307 - accuracy: 0.8989
446/750 [=====>.....] - ETA: 0s - loss: 0.4304 - accuracy: 0.8987
533/750 [=====>.....] - ETA: 0s - loss: 0.4300 - accuracy: 0.8989
621/750 [=====>.....] - ETA: 0s - loss: 0.4332 - accuracy: 0.8980
707/750 [=====>..] - ETA: 0s - loss: 0.4342 - accuracy: 0.8971
750/750 [=====] - 1s 732us/step - loss: 0.4346 - accuracy: 0.8968 - val_loss: 0.5074 - val_accuracy: 0.8710
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9375
85/750 [==>.....] - ETA: 0s - loss: 0.4242 - accuracy: 0.9002
173/750 [=====>.....] - ETA: 0s - loss: 0.4321 - accuracy: 0.8981
264/750 [=====>.....] - ETA: 0s - loss: 0.4350 - accuracy: 0.8975
351/750 [=====>.....] - ETA: 0s - loss: 0.4303 - accuracy: 0.8986
441/750 [=====>.....] - ETA: 0s - loss: 0.4298 - accuracy: 0.8981
524/750 [=====>.....] - ETA: 0s - loss: 0.4332 - accuracy: 0.8964
588/750 [=====>.....] - ETA: 0s - loss: 0.4323 - accuracy: 0.8971
671/750 [=====>....] - ETA: 0s - loss: 0.4302 - accuracy: 0.8982
748/750 [=====>.] - ETA: 0s - loss: 0.4317 - accuracy:

0.8975
750/750 [=====] - 1s 733us/step - loss: 0.4318 - accuracy:
0.8974 - val_loss: 0.4938 - val_accuracy: 0.8783
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.3899 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.4209 - accuracy:
0.9019
177/750 [=====>.....] - ETA: 0s - loss: 0.4247 - accuracy:
0.9020
265/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9046
337/750 [=====>.....] - ETA: 0s - loss: 0.4212 - accuracy:
0.9026
419/750 [=====>.....] - ETA: 0s - loss: 0.4259 - accuracy:
0.9011
508/750 [=====>.....] - ETA: 0s - loss: 0.4271 - accuracy:
0.9003
580/750 [=====>.....] - ETA: 0s - loss: 0.4281 - accuracy:
0.9000
663/750 [=====>....] - ETA: 0s - loss: 0.4312 - accuracy:
0.8988
743/750 [=====>.] - ETA: 0s - loss: 0.4312 - accuracy:
0.8987
750/750 [=====] - 1s 752us/step - loss: 0.4310 - accuracy:
0.8989 - val_loss: 0.4873 - val_accuracy: 0.8799
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.5008 - accuracy:
0.8906
67/750 [=>.....] - ETA: 0s - loss: 0.4214 - accuracy:
0.8986
152/750 [=====>.....] - ETA: 0s - loss: 0.4271 - accuracy:
0.8974
237/750 [=====>.....] - ETA: 0s - loss: 0.4281 - accuracy:
0.8987
305/750 [=====>.....] - ETA: 0s - loss: 0.4322 - accuracy:
0.8980
395/750 [=====>.....] - ETA: 0s - loss: 0.4307 - accuracy:
0.9000
466/750 [=====>.....] - ETA: 0s - loss: 0.4297 - accuracy:
0.9005
544/750 [=====>.....] - ETA: 0s - loss: 0.4305 - accuracy:
0.8998
635/750 [=====>....] - ETA: 0s - loss: 0.4307 - accuracy:
0.8992
701/750 [=====>..] - ETA: 0s - loss: 0.4286 - accuracy:
0.8999
750/750 [=====] - 1s 780us/step - loss: 0.4285 - accuracy:

0.8997 - val_loss: 0.4955 - val_accuracy: 0.8757
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.4859 - accuracy: 0.8438
68/750 [=>.....] - ETA: 0s - loss: 0.4181 - accuracy: 0.8996
156/750 [=====>.....] - ETA: 0s - loss: 0.4195 - accuracy: 0.8992
241/750 [======>.....] - ETA: 0s - loss: 0.4200 - accuracy: 0.9004
328/750 [======>.....] - ETA: 0s - loss: 0.4209 - accuracy: 0.9003
418/750 [======>.....] - ETA: 0s - loss: 0.4239 - accuracy: 0.8999
504/750 [======>.....] - ETA: 0s - loss: 0.4287 - accuracy: 0.8984
595/750 [======>.....] - ETA: 0s - loss: 0.4266 - accuracy: 0.8988
685/750 [======>...] - ETA: 0s - loss: 0.4274 - accuracy: 0.8988
750/750 [=====] - 1s 713us/step - loss: 0.4271 - accuracy: 0.8993 - val_loss: 0.4861 - val_accuracy: 0.8795
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.3864 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.4227 - accuracy: 0.8978
174/750 [=====>.....] - ETA: 0s - loss: 0.4234 - accuracy: 0.8997
262/750 [======>.....] - ETA: 0s - loss: 0.4154 - accuracy: 0.9034
341/750 [======>.....] - ETA: 0s - loss: 0.4183 - accuracy: 0.9023
430/750 [======>.....] - ETA: 0s - loss: 0.4198 - accuracy: 0.9026
519/750 [======>.....] - ETA: 0s - loss: 0.4235 - accuracy: 0.9003
608/750 [======>.....] - ETA: 0s - loss: 0.4244 - accuracy: 0.9000
697/750 [======>...] - ETA: 0s - loss: 0.4250 - accuracy: 0.8990
750/750 [=====] - 1s 705us/step - loss: 0.4256 - accuracy: 0.8989 - val_loss: 0.4992 - val_accuracy: 0.8769
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.3006 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.4399 - accuracy:

0.8947 [=====>.....] - ETA: 0s - loss: 0.4277 - accuracy: 0.8996
225/750 [=====>.....] - ETA: 0s - loss: 0.4274 - accuracy: 0.8996
291/750 [=====>.....] - ETA: 0s - loss: 0.4267 - accuracy: 0.8991
367/750 [=====>.....] - ETA: 0s - loss: 0.4246 - accuracy: 0.9002
448/750 [=====>.....] - ETA: 0s - loss: 0.4228 - accuracy: 0.9004
539/750 [=====>.....] - ETA: 0s - loss: 0.4234 - accuracy: 0.8999
629/750 [=====>.....] - ETA: 0s - loss: 0.4236 - accuracy: 0.9001
717/750 [=====>..] - ETA: 0s - loss: 0.4238 - accuracy: 0.9002
750/750 [=====] - 1s 761us/step - loss: 0.4230 - accuracy: 0.9001 - val_loss: 0.4824 - val_accuracy: 0.8817
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.4327 - accuracy: 0.8594
79/750 [==>.....] - ETA: 0s - loss: 0.4118 - accuracy: 0.8991
164/750 [====>.....] - ETA: 0s - loss: 0.4204 - accuracy: 0.8978
248/750 [=====>.....] - ETA: 0s - loss: 0.4173 - accuracy: 0.9001
335/750 [=====>.....] - ETA: 0s - loss: 0.4178 - accuracy: 0.9014
424/750 [=====>.....] - ETA: 0s - loss: 0.4217 - accuracy: 0.8990
506/750 [=====>.....] - ETA: 0s - loss: 0.4217 - accuracy: 0.8995
594/750 [=====>.....] - ETA: 0s - loss: 0.4210 - accuracy: 0.8998
676/750 [=====>...] - ETA: 0s - loss: 0.4227 - accuracy: 0.8990
750/750 [=====] - 1s 729us/step - loss: 0.4217 - accuracy: 0.8993 - val_loss: 0.4869 - val_accuracy: 0.8794
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.2964 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.4238 - accuracy: 0.8998
178/750 [====>.....] - ETA: 0s - loss: 0.4250 - accuracy: 0.9000
264/750 [=====>.....] - ETA: 0s - loss: 0.4216 - accuracy:

0.9006 [=====>.....] - ETA: 0s - loss: 0.4211 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.4200 - accuracy:
0.9010 [=====>.....] - ETA: 0s - loss: 0.4190 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.4203 - accuracy:
0.9016 [=====>.....] - ETA: 0s - loss: 0.4212 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.4208 - accuracy:
0.9003 [=====>.....] - ETA: 0s - loss: 0.4208 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.4208 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.4208 - accuracy:
750/750 [=====>.....] - 1s 725us/step - loss: 0.4208 - accuracy:
0.9003 - val_loss: 0.4828 - val_accuracy: 0.8789
Epoch 66/220

1/750 [=====>.....] - ETA: 0s - loss: 0.4848 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.4098 - accuracy:
83/750 [=====>.....] - ETA: 0s - loss: 0.4178 - accuracy:
0.9081 [=====>.....] - ETA: 0s - loss: 0.4177 - accuracy:
171/750 [=====>.....] - ETA: 0s - loss: 0.4196 - accuracy:
0.9028 [=====>.....] - ETA: 0s - loss: 0.4184 - accuracy:
257/750 [=====>.....] - ETA: 0s - loss: 0.4199 - accuracy:
0.9019 [=====>.....] - ETA: 0s - loss: 0.4178 - accuracy:
343/750 [=====>.....] - ETA: 0s - loss: 0.4185 - accuracy:
0.9003 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9011 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9010 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
673/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9008 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
750/750 [=====>.....] - 1s 740us/step - loss: 0.4183 - accuracy:
0.9007 - val_loss: 0.4970 - val_accuracy: 0.8754
Epoch 67/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3039 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.4158 - accuracy:
84/750 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
0.9038 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
167/750 [=====>.....] - ETA: 0s - loss: 0.4171 - accuracy:
0.9017 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
245/750 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
0.9028 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
332/750 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
0.9024 [=====>.....] - ETA: 0s - loss: 0.4167 - accuracy:
418/750 [=====>.....] - ETA: 0s - loss: 0.4168 - accuracy:
0.9022 [=====>.....] - ETA: 0s - loss: 0.4168 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.4168 - accuracy:

0.9023
571/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy:
0.9019
658/750 [=====>....] - ETA: 0s - loss: 0.4189 - accuracy:
0.9012
745/750 [=====>.] - ETA: 0s - loss: 0.4178 - accuracy:
0.9014
750/750 [=====] - 1s 740us/step - loss: 0.4176 - accuracy:
0.9014 - val_loss: 0.4868 - val_accuracy: 0.8798
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.4298 - accuracy:
0.8987
177/750 [=====>.....] - ETA: 0s - loss: 0.4224 - accuracy:
0.9021
264/750 [=====>.....] - ETA: 0s - loss: 0.4200 - accuracy:
0.9025
352/750 [=====>.....] - ETA: 0s - loss: 0.4216 - accuracy:
0.9010
441/750 [=====>.....] - ETA: 0s - loss: 0.4190 - accuracy:
0.9017
527/750 [=====>.....] - ETA: 0s - loss: 0.4187 - accuracy:
0.9019
615/750 [=====>.....] - ETA: 0s - loss: 0.4153 - accuracy:
0.9028
699/750 [=====>...] - ETA: 0s - loss: 0.4159 - accuracy:
0.9026
750/750 [=====] - 1s 705us/step - loss: 0.4157 - accuracy:
0.9028 - val_loss: 0.4877 - val_accuracy: 0.8772
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.4156 - accuracy:
0.9019
170/750 [=====>.....] - ETA: 0s - loss: 0.4171 - accuracy:
0.9003
256/750 [=====>.....] - ETA: 0s - loss: 0.4175 - accuracy:
0.9016
345/750 [=====>.....] - ETA: 0s - loss: 0.4147 - accuracy:
0.9018
436/750 [=====>.....] - ETA: 0s - loss: 0.4154 - accuracy:
0.9009
522/750 [=====>.....] - ETA: 0s - loss: 0.4146 - accuracy:
0.9013
613/750 [=====>.....] - ETA: 0s - loss: 0.4147 - accuracy:
0.9011
699/750 [=====>...] - ETA: 0s - loss: 0.4149 - accuracy:

0.9010
750/750 [=====] - 1s 706us/step - loss: 0.4150 - accuracy:
0.9009 - val_loss: 0.4997 - val_accuracy: 0.8727
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.4902 - accuracy:
0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.4095 - accuracy:
0.9075
177/750 [=====>.....] - ETA: 0s - loss: 0.4044 - accuracy:
0.9087
264/750 [=====>.....] - ETA: 0s - loss: 0.4063 - accuracy:
0.9071
352/750 [======>.....] - ETA: 0s - loss: 0.4125 - accuracy:
0.9042
442/750 [======>.....] - ETA: 0s - loss: 0.4114 - accuracy:
0.9045
529/750 [======>.....] - ETA: 0s - loss: 0.4107 - accuracy:
0.9041
618/750 [======>.....] - ETA: 0s - loss: 0.4119 - accuracy:
0.9037
706/750 [======>..] - ETA: 0s - loss: 0.4124 - accuracy:
0.9033
750/750 [=====] - 1s 712us/step - loss: 0.4129 - accuracy:
0.9025 - val_loss: 0.4951 - val_accuracy: 0.8746
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.4427 - accuracy:
0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.4092 - accuracy:
0.9033
175/750 [=====>.....] - ETA: 0s - loss: 0.4081 - accuracy:
0.9039
264/750 [=====>.....] - ETA: 0s - loss: 0.4114 - accuracy:
0.9051
349/750 [======>.....] - ETA: 0s - loss: 0.4096 - accuracy:
0.9047
434/750 [======>.....] - ETA: 0s - loss: 0.4140 - accuracy:
0.9027
522/750 [======>.....] - ETA: 0s - loss: 0.4118 - accuracy:
0.9042
607/750 [======>.....] - ETA: 0s - loss: 0.4116 - accuracy:
0.9037
695/750 [======>...] - ETA: 0s - loss: 0.4125 - accuracy:
0.9032
750/750 [=====] - 1s 712us/step - loss: 0.4117 - accuracy:
0.9036 - val_loss: 0.4850 - val_accuracy: 0.8783
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.3368 - accuracy:

0.9375 [.....] - ETA: 0s - loss: 0.4091 - accuracy: 0.9064
87/750 [==>.....] - ETA: 0s - loss: 0.4091 - accuracy: 0.9064
174/750 [====>.....] - ETA: 0s - loss: 0.3928 - accuracy: 0.9106
260/750 [=====>.....] - ETA: 0s - loss: 0.4009 - accuracy: 0.9067
341/750 [======>.....] - ETA: 0s - loss: 0.4056 - accuracy: 0.9037
428/750 [======>.....] - ETA: 0s - loss: 0.4097 - accuracy: 0.9023
515/750 [======>.....] - ETA: 0s - loss: 0.4090 - accuracy: 0.9023
598/750 [======>.....] - ETA: 0s - loss: 0.4065 - accuracy: 0.9036
685/750 [======>...] - ETA: 0s - loss: 0.4089 - accuracy: 0.9032
750/750 [=====] - 1s 724us/step - loss: 0.4103 - accuracy: 0.9025 - val_loss: 0.4864 - val_accuracy: 0.8793
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.3131 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.4067 - accuracy: 0.9000
172/750 [====>.....] - ETA: 0s - loss: 0.4018 - accuracy: 0.9043
255/750 [=====>.....] - ETA: 0s - loss: 0.4039 - accuracy: 0.9040
340/750 [======>.....] - ETA: 0s - loss: 0.4091 - accuracy: 0.9024
425/750 [======>.....] - ETA: 0s - loss: 0.4088 - accuracy: 0.9022
514/750 [======>.....] - ETA: 0s - loss: 0.4087 - accuracy: 0.9025
598/750 [======>.....] - ETA: 0s - loss: 0.4116 - accuracy: 0.9012
682/750 [======>...] - ETA: 0s - loss: 0.4107 - accuracy: 0.9019
750/750 [=====] - 1s 722us/step - loss: 0.4098 - accuracy: 0.9019 - val_loss: 0.4757 - val_accuracy: 0.8828
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.3099 - accuracy: 0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.4082 - accuracy: 0.9030
176/750 [=====>.....] - ETA: 0s - loss: 0.4049 - accuracy: 0.9043
264/750 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy:

0.9026 [=====>.....] - ETA: 0s - loss: 0.4085 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.4085 - accuracy:
0.9019 [=====>.....] - ETA: 0s - loss: 0.4092 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.4092 - accuracy:
0.9017 [=====>.....] - ETA: 0s - loss: 0.4087 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.4087 - accuracy:
0.9018 [=====>.....] - ETA: 0s - loss: 0.4088 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.4088 - accuracy:
0.9022 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
702/750 [=====>..] - ETA: 0s - loss: 0.4084 - accuracy:
0.9024 [=====>..] - ETA: 0s - loss: 0.4083 - accuracy:
750/750 [=====] - 1s 702us/step - loss: 0.4083 - accuracy:
0.9025 - val_loss: 0.4929 - val_accuracy: 0.8750
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.2855 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.4035 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.4035 - accuracy:
0.9066 [==>.....] - ETA: 0s - loss: 0.4051 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.4051 - accuracy:
0.9068 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.4070 - accuracy:
0.9058 [=====>.....] - ETA: 0s - loss: 0.4080 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.4080 - accuracy:
0.9047 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy:
0.9052 [=====>.....] - ETA: 0s - loss: 0.4068 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.4068 - accuracy:
0.9045 [=====>.....] - ETA: 0s - loss: 0.4076 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.4076 - accuracy:
0.9038 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy:
705/750 [=====>..] - ETA: 0s - loss: 0.4074 - accuracy:
0.9044 [=====>..] - ETA: 0s - loss: 0.4066 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.4066 - accuracy:
0.9045 - val_loss: 0.4746 - val_accuracy: 0.8831
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.2345 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.4039 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.4039 - accuracy:
0.9050 [==>.....] - ETA: 0s - loss: 0.4022 - accuracy:
170/750 [=====>.....] - ETA: 0s - loss: 0.4022 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.4047 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.4047 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
0.9073 [=====>.....] - ETA: 0s - loss: 0.4034 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.4034 - accuracy:
0.9071 [=====>.....] - ETA: 0s - loss: 0.4049 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.4049 - accuracy:

0.9065 [=====>.....] - ETA: 0s - loss: 0.4057 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.4057 - accuracy:
0.9060 [=====>.....] - ETA: 0s - loss: 0.4057 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.4051 - accuracy:
0.9058 [=====>.....] - ETA: 0s - loss: 0.4051 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.4059 - accuracy:
0.9056 - val_loss: 0.4760 - val_accuracy: 0.8805
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.4486 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.4486 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3953 - accuracy:
0.9055 [==>.....] - ETA: 0s - loss: 0.3953 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.4091 - accuracy:
0.9032 [=====>.....] - ETA: 0s - loss: 0.4091 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.4050 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.4050 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.4066 - accuracy:
0.9044 [=====>.....] - ETA: 0s - loss: 0.4066 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.4054 - accuracy:
0.9050 [=====>.....] - ETA: 0s - loss: 0.4054 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.4030 - accuracy:
0.9060 [=====>.....] - ETA: 0s - loss: 0.4030 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.4035 - accuracy:
0.9058 [=====>.....] - ETA: 0s - loss: 0.4035 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.4049 - accuracy:
0.9051 [=====>...] - ETA: 0s - loss: 0.4049 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.4049 - accuracy:
0.9052 - val_loss: 0.4889 - val_accuracy: 0.8768
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.4362 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4362 - accuracy:
83/750 [==>.....] - ETA: 0s - loss: 0.4125 - accuracy:
0.9023 [==>.....] - ETA: 0s - loss: 0.4125 - accuracy:
171/750 [=====>.....] - ETA: 0s - loss: 0.4144 - accuracy:
0.9011 [=====>.....] - ETA: 0s - loss: 0.4144 - accuracy:
254/750 [=====>.....] - ETA: 0s - loss: 0.4126 - accuracy:
0.9007 [=====>.....] - ETA: 0s - loss: 0.4126 - accuracy:
342/750 [=====>.....] - ETA: 0s - loss: 0.4106 - accuracy:
0.9024 [=====>.....] - ETA: 0s - loss: 0.4106 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.4086 - accuracy:
0.9037 [=====>.....] - ETA: 0s - loss: 0.4086 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.4035 - accuracy:
0.9048 [=====>.....] - ETA: 0s - loss: 0.4035 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.4024 - accuracy:
0.9050 [=====>.....] - ETA: 0s - loss: 0.4024 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.4028 - accuracy:
0.9050 [=====>...] - ETA: 0s - loss: 0.4028 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.4023 - accuracy:

0.9054 - val_loss: 0.4807 - val_accuracy: 0.8799
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9219
82/750 [==>.....] - ETA: 0s - loss: 0.3948 - accuracy:
0.9095
169/750 [====>.....] - ETA: 0s - loss: 0.3986 - accuracy:
0.9068
256/750 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
0.9072
342/750 [======>.....] - ETA: 0s - loss: 0.3995 - accuracy:
0.9054
428/750 [======>.....] - ETA: 0s - loss: 0.4029 - accuracy:
0.9041
516/750 [======>.....] - ETA: 0s - loss: 0.4017 - accuracy:
0.9049
606/750 [======>.....] - ETA: 0s - loss: 0.4000 - accuracy:
0.9055
692/750 [======>...] - ETA: 0s - loss: 0.4016 - accuracy:
0.9048
750/750 [=====] - 1s 712us/step - loss: 0.4018 - accuracy:
0.9049 - val_loss: 0.4887 - val_accuracy: 0.8773
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.2961 - accuracy:
0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.4055 - accuracy:
0.9037
169/750 [====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
0.9064
252/750 [=====>.....] - ETA: 0s - loss: 0.4001 - accuracy:
0.9066
337/750 [======>.....] - ETA: 0s - loss: 0.3994 - accuracy:
0.9071
424/750 [======>.....] - ETA: 0s - loss: 0.4023 - accuracy:
0.9054
509/750 [======>.....] - ETA: 0s - loss: 0.4033 - accuracy:
0.9059
593/750 [======>.....] - ETA: 0s - loss: 0.4026 - accuracy:
0.9061
678/750 [======>...] - ETA: 0s - loss: 0.4018 - accuracy:
0.9063
750/750 [=====] - 1s 738us/step - loss: 0.4016 - accuracy:
0.9065 - val_loss: 0.4828 - val_accuracy: 0.8792
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.3147 - accuracy:
0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.3956 - accuracy:

0.9031 [.....] - ETA: 0s - loss: 0.3926 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.3926 - accuracy:
0.9081 [.....] - ETA: 0s - loss: 0.3929 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.3929 - accuracy:
0.9086 [.....] - ETA: 0s - loss: 0.3933 - accuracy:
339/750 [=====>.....] - ETA: 0s - loss: 0.3933 - accuracy:
0.9080 [.....] - ETA: 0s - loss: 0.3973 - accuracy:
419/750 [=====>.....] - ETA: 0s - loss: 0.3973 - accuracy:
0.9060 [.....] - ETA: 0s - loss: 0.3983 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.3983 - accuracy:
0.9065 [.....] - ETA: 0s - loss: 0.3986 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3986 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3990 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.3990 - accuracy:
0.9061 [.....] - ETA: 0s - loss: 0.4007 - accuracy:
750/750 [=====] - 1s 734us/step - loss: 0.4007 - accuracy:
0.9057 - val_loss: 0.5372 - val_accuracy: 0.8611
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.4211 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.4108 - accuracy:
85/750 [==>.....] - ETA: 0s - loss: 0.4108 - accuracy:
0.9018 [.....] - ETA: 0s - loss: 0.4007 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.4007 - accuracy:
0.9063 [.....] - ETA: 0s - loss: 0.4014 - accuracy:
256/750 [=====>.....] - ETA: 0s - loss: 0.4014 - accuracy:
0.9058 [.....] - ETA: 0s - loss: 0.4007 - accuracy:
340/750 [=====>.....] - ETA: 0s - loss: 0.4007 - accuracy:
0.9060 [.....] - ETA: 0s - loss: 0.4003 - accuracy:
428/750 [=====>.....] - ETA: 0s - loss: 0.4003 - accuracy:
0.9060 [.....] - ETA: 0s - loss: 0.3975 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy:
0.9059 [.....] - ETA: 0s - loss: 0.3972 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
0.9060 [.....] - ETA: 0s - loss: 0.3978 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.3978 - accuracy:
0.9060 [.....] - ETA: 0s - loss: 0.3994 - accuracy:
750/750 [=====] - 1s 708us/step - loss: 0.3994 - accuracy:
0.9054 - val_loss: 0.4702 - val_accuracy: 0.8823
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.4200 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.4063 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.4063 - accuracy:
0.9050 [.....] - ETA: 0s - loss: 0.3968 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.3968 - accuracy:
0.9093 [.....] - ETA: 0s - loss: 0.3992 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3992 - accuracy:
0.9079 [.....] - ETA: 0s - loss: 0.3988 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3988 - accuracy:

0.9074
444/750 [=====>.....] - ETA: 0s - loss: 0.3999 - accuracy:
0.9065
531/750 [=====>.....] - ETA: 0s - loss: 0.3983 - accuracy:
0.9070
617/750 [=====>.....] - ETA: 0s - loss: 0.3977 - accuracy:
0.9070
708/750 [=====>..] - ETA: 0s - loss: 0.3983 - accuracy:
0.9064
750/750 [=====] - 1s 700us/step - loss: 0.3980 - accuracy:
0.9065 - val_loss: 0.5155 - val_accuracy: 0.8673
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.3886 - accuracy:
0.9109
174/750 [====>.....] - ETA: 0s - loss: 0.3941 - accuracy:
0.9101
265/750 [=====>.....] - ETA: 0s - loss: 0.3943 - accuracy:
0.9094
353/750 [=====>.....] - ETA: 0s - loss: 0.3999 - accuracy:
0.9076
443/750 [=====>.....] - ETA: 0s - loss: 0.3976 - accuracy:
0.9078
534/750 [=====>.....] - ETA: 0s - loss: 0.3954 - accuracy:
0.9086
621/750 [=====>.....] - ETA: 0s - loss: 0.3946 - accuracy:
0.9087
707/750 [=====>..] - ETA: 0s - loss: 0.3958 - accuracy:
0.9083
750/750 [=====] - 1s 709us/step - loss: 0.3957 - accuracy:
0.9084 - val_loss: 0.4938 - val_accuracy: 0.8747
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.3478 - accuracy:
0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3784 - accuracy:
0.9170
177/750 [=====>.....] - ETA: 0s - loss: 0.3868 - accuracy:
0.9136
266/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9112
354/750 [=====>.....] - ETA: 0s - loss: 0.3896 - accuracy:
0.9115
443/750 [=====>.....] - ETA: 0s - loss: 0.3946 - accuracy:
0.9098
532/750 [=====>.....] - ETA: 0s - loss: 0.3968 - accuracy:
0.9091
619/750 [=====>.....] - ETA: 0s - loss: 0.3973 - accuracy:

0.9079 [=====] - ETA: 0s - loss: 0.3984 - accuracy: 0.9066
704/750 [=====>..] - ETA: 0s - loss: 0.3984 - accuracy: 0.9066
750/750 [=====] - 1s 702us/step - loss: 0.3970 - accuracy: 0.9069 - val_loss: 0.4785 - val_accuracy: 0.8821
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.3215 - accuracy: 0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.3950 - accuracy: 0.9087
177/750 [=====>.....] - ETA: 0s - loss: 0.3874 - accuracy: 0.9109
266/750 [=====>.....] - ETA: 0s - loss: 0.3899 - accuracy: 0.9098
355/750 [=====>.....] - ETA: 0s - loss: 0.3873 - accuracy: 0.9111
444/750 [=====>.....] - ETA: 0s - loss: 0.3882 - accuracy: 0.9115
534/750 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy: 0.9105
623/750 [=====>.....] - ETA: 0s - loss: 0.3920 - accuracy: 0.9100
711/750 [=====>..] - ETA: 0s - loss: 0.3957 - accuracy: 0.9083
750/750 [=====] - 1s 696us/step - loss: 0.3958 - accuracy: 0.9083 - val_loss: 0.4674 - val_accuracy: 0.8842
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.3189 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.4039 - accuracy: 0.9041
176/750 [=====>.....] - ETA: 0s - loss: 0.3958 - accuracy: 0.9059
267/750 [=====>.....] - ETA: 0s - loss: 0.3939 - accuracy: 0.9075
358/750 [=====>.....] - ETA: 0s - loss: 0.3940 - accuracy: 0.9084
444/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy: 0.9098
529/750 [=====>.....] - ETA: 0s - loss: 0.3930 - accuracy: 0.9088
618/750 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy: 0.9090
705/750 [=====>..] - ETA: 0s - loss: 0.3931 - accuracy: 0.9088
750/750 [=====] - 1s 713us/step - loss: 0.3948 - accuracy: 0.9087 - val_loss: 0.4671 - val_accuracy: 0.8847
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.3413 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.3885 - accuracy: 0.9080
178/750 [=====>.....] - ETA: 0s - loss: 0.3904 - accuracy: 0.9076
265/750 [=====>.....] - ETA: 0s - loss: 0.3907 - accuracy: 0.9077
353/750 [======>.....] - ETA: 0s - loss: 0.3920 - accuracy: 0.9077
438/750 [======>.....] - ETA: 0s - loss: 0.3908 - accuracy: 0.9094
522/750 [======>.....] - ETA: 0s - loss: 0.3923 - accuracy: 0.9090
613/750 [======>.....] - ETA: 0s - loss: 0.3938 - accuracy: 0.9084
697/750 [======>...] - ETA: 0s - loss: 0.3940 - accuracy: 0.9086
750/750 [=====] - 1s 716us/step - loss: 0.3946 - accuracy: 0.9082 - val_loss: 0.4700 - val_accuracy: 0.8840
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.4420 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3980 - accuracy: 0.9043
179/750 [=====>.....] - ETA: 0s - loss: 0.3927 - accuracy: 0.9090
267/750 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy: 0.9078
353/750 [======>.....] - ETA: 0s - loss: 0.3921 - accuracy: 0.9086
440/750 [======>.....] - ETA: 0s - loss: 0.3910 - accuracy: 0.9089
529/750 [======>.....] - ETA: 0s - loss: 0.3918 - accuracy: 0.9083
617/750 [======>.....] - ETA: 0s - loss: 0.3919 - accuracy: 0.9081
703/750 [======>..] - ETA: 0s - loss: 0.3933 - accuracy: 0.9077
750/750 [=====] - 1s 704us/step - loss: 0.3932 - accuracy: 0.9075 - val_loss: 0.4726 - val_accuracy: 0.8832
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.3156 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3842 - accuracy: 0.9135
174/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy:

0.9102 [.....] - ETA: 0s - loss: 0.3969 - accuracy: 261/750 [=====>.....] - ETA: 0s - loss: 0.3969 - accuracy: 0.9073 [.....] - ETA: 0s - loss: 0.3938 - accuracy: 349/750 [=====>.....] - ETA: 0s - loss: 0.3938 - accuracy: 0.9079 [.....] - ETA: 0s - loss: 0.3953 - accuracy: 439/750 [=====>.....] - ETA: 0s - loss: 0.3953 - accuracy: 0.9074 [.....] - ETA: 0s - loss: 0.3921 - accuracy: 524/750 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy: 0.9082 [.....] - ETA: 0s - loss: 0.3913 - accuracy: 612/750 [=====>.....] - ETA: 0s - loss: 0.3913 - accuracy: 0.9078 [.....] - ETA: 0s - loss: 0.3912 - accuracy: 700/750 [=====>..] - ETA: 0s - loss: 0.3912 - accuracy: 0.9077 [.....] - 1s 702us/step - loss: 0.3915 - accuracy: 0.9075 - val_loss: 0.4734 - val_accuracy: 0.8842
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.3241 - accuracy: 0.9531 [.....] - ETA: 0s - loss: 0.3978 - accuracy: 88/750 [==>.....] - ETA: 0s - loss: 0.3978 - accuracy: 0.9068 [.....] - ETA: 0s - loss: 0.3921 - accuracy: 179/750 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy: 0.9085 [.....] - ETA: 0s - loss: 0.3948 - accuracy: 266/750 [=====>.....] - ETA: 0s - loss: 0.3948 - accuracy: 0.9078 [.....] - ETA: 0s - loss: 0.3926 - accuracy: 355/750 [=====>.....] - ETA: 0s - loss: 0.3926 - accuracy: 0.9086 [.....] - ETA: 0s - loss: 0.3897 - accuracy: 441/750 [=====>.....] - ETA: 0s - loss: 0.3897 - accuracy: 0.9098 [.....] - ETA: 0s - loss: 0.3892 - accuracy: 527/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy: 0.9104 [.....] - ETA: 0s - loss: 0.3889 - accuracy: 615/750 [=====>.....] - ETA: 0s - loss: 0.3889 - accuracy: 0.9105 [.....] - ETA: 0s - loss: 0.3913 - accuracy: 706/750 [=====>..] - ETA: 0s - loss: 0.3913 - accuracy: 0.9097 [.....] - 1s 702us/step - loss: 0.3906 - accuracy: 0.9097 - val_loss: 0.4865 - val_accuracy: 0.8774
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9219 [.....] - ETA: 0s - loss: 0.3848 - accuracy: 90/750 [==>.....] - ETA: 0s - loss: 0.3848 - accuracy: 0.9149 [.....] - ETA: 0s - loss: 0.3940 - accuracy: 179/750 [=====>.....] - ETA: 0s - loss: 0.3940 - accuracy: 0.9099 [.....] - ETA: 0s - loss: 0.3898 - accuracy: 264/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy: 0.9097 [.....] - ETA: 0s - loss: 0.3927 - accuracy: 348/750 [=====>.....] - ETA: 0s - loss: 0.3927 - accuracy: 0.9077 [.....] - ETA: 0s - loss: 0.3902 - accuracy: 437/750 [=====>.....] - ETA: 0s - loss: 0.3902 - accuracy:

0.9096 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy: 0.9106
612/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy: 0.9102
699/750 [=====>...] - ETA: 0s - loss: 0.3893 - accuracy: 0.9099
750/750 [=====] - 1s 709us/step - loss: 0.3890 - accuracy: 0.9100 - val_loss: 0.4944 - val_accuracy: 0.8747
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.9175
169/750 [====>.....] - ETA: 0s - loss: 0.3775 - accuracy: 0.9158
252/750 [=====>.....] - ETA: 0s - loss: 0.3791 - accuracy: 0.9159
339/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy: 0.9151
425/750 [=====>.....] - ETA: 0s - loss: 0.3828 - accuracy: 0.9121
515/750 [=====>.....] - ETA: 0s - loss: 0.3828 - accuracy: 0.9118
599/750 [=====>.....] - ETA: 0s - loss: 0.3846 - accuracy: 0.9117
687/750 [=====>...] - ETA: 0s - loss: 0.3870 - accuracy: 0.9109
750/750 [=====] - 1s 716us/step - loss: 0.3897 - accuracy: 0.9101 - val_loss: 0.4986 - val_accuracy: 0.8727
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.3850 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.3966 - accuracy: 0.9042
177/750 [=====>.....] - ETA: 0s - loss: 0.3929 - accuracy: 0.9070
264/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.9098
352/750 [=====>.....] - ETA: 0s - loss: 0.3899 - accuracy: 0.9102
440/750 [=====>.....] - ETA: 0s - loss: 0.3885 - accuracy: 0.9109
529/750 [=====>.....] - ETA: 0s - loss: 0.3877 - accuracy: 0.9112
615/750 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy: 0.9107
703/750 [=====>..] - ETA: 0s - loss: 0.3873 - accuracy:

0.9112
750/750 [=====] - 1s 702us/step - loss: 0.3884 - accuracy:
0.9106 - val_loss: 0.4646 - val_accuracy: 0.8852
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.3091 - accuracy:
0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3773 - accuracy:
0.9134
174/750 [=====>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9102
263/750 [=====>.....] - ETA: 0s - loss: 0.3854 - accuracy:
0.9096
348/750 [======>.....] - ETA: 0s - loss: 0.3894 - accuracy:
0.9086
437/750 [======>.....] - ETA: 0s - loss: 0.3875 - accuracy:
0.9109
505/750 [======>.....] - ETA: 0s - loss: 0.3870 - accuracy:
0.9112
591/750 [======>.....] - ETA: 0s - loss: 0.3859 - accuracy:
0.9115
677/750 [======>...] - ETA: 0s - loss: 0.3857 - accuracy:
0.9116
750/750 [=====] - 1s 724us/step - loss: 0.3863 - accuracy:
0.9118 - val_loss: 0.4789 - val_accuracy: 0.8801
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.3735 - accuracy:
0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.3808 - accuracy:
0.9149
176/750 [=====>.....] - ETA: 0s - loss: 0.3789 - accuracy:
0.9152
262/750 [=====>.....] - ETA: 0s - loss: 0.3794 - accuracy:
0.9151
350/750 [======>.....] - ETA: 0s - loss: 0.3839 - accuracy:
0.9124
439/750 [======>.....] - ETA: 0s - loss: 0.3835 - accuracy:
0.9123
527/750 [======>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9115
611/750 [======>.....] - ETA: 0s - loss: 0.3864 - accuracy:
0.9109
680/750 [======>...] - ETA: 0s - loss: 0.3859 - accuracy:
0.9112
750/750 [=====] - 1s 722us/step - loss: 0.3861 - accuracy:
0.9114 - val_loss: 0.4769 - val_accuracy: 0.8812
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.3198 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.3890 - accuracy: 0.9090
90/750 [==>.....] - ETA: 0s - loss: 0.3890 - accuracy: 0.9090
177/750 [=====>.....] - ETA: 0s - loss: 0.3830 - accuracy: 0.9142
264/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy: 0.9124
353/750 [======>.....] - ETA: 0s - loss: 0.3841 - accuracy: 0.9120
439/750 [======>.....] - ETA: 0s - loss: 0.3842 - accuracy: 0.9112
527/750 [======>.....] - ETA: 0s - loss: 0.3868 - accuracy: 0.9101
616/750 [======>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.9097
704/750 [======>..] - ETA: 0s - loss: 0.3885 - accuracy: 0.9096
750/750 [=====] - 1s 713us/step - loss: 0.3867 - accuracy: 0.9102 - val_loss: 0.4815 - val_accuracy: 0.8788
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.4878 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.3739 - accuracy: 0.9156
176/750 [=====>.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9147
267/750 [=====>.....] - ETA: 0s - loss: 0.3830 - accuracy: 0.9108
354/750 [======>.....] - ETA: 0s - loss: 0.3834 - accuracy: 0.9106
441/750 [======>.....] - ETA: 0s - loss: 0.3841 - accuracy: 0.9109
528/750 [======>.....] - ETA: 0s - loss: 0.3860 - accuracy: 0.9107
616/750 [======>.....] - ETA: 0s - loss: 0.3887 - accuracy: 0.9100
703/750 [======>..] - ETA: 0s - loss: 0.3869 - accuracy: 0.9108
750/750 [=====] - 1s 704us/step - loss: 0.3866 - accuracy: 0.9112 - val_loss: 0.4748 - val_accuracy: 0.8827
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.4777 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.3791 - accuracy: 0.9129
176/750 [=====>.....] - ETA: 0s - loss: 0.3814 - accuracy: 0.9118
266/750 [=====>.....] - ETA: 0s - loss: 0.3831 - accuracy: 0.9118

0.9112 [=====>.....] - ETA: 0s - loss: 0.3824 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.3809 - accuracy:
0.9109 [=====>.....] - ETA: 0s - loss: 0.3837 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3838 - accuracy:
0.9113 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.3845 - accuracy:
0.9106 [=====] - 1s 701us/step - loss: 0.3845 - accuracy:
0.9102 - val_loss: 0.4784 - val_accuracy: 0.8796
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.4232 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3808 - accuracy:
89/750 [=====>.....] - ETA: 0s - loss: 0.3799 - accuracy:
0.9143 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.3845 - accuracy:
0.9110 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3836 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3850 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.3841 - accuracy:
0.9108 [=====] - 1s 701us/step - loss: 0.3841 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.3841 - accuracy:
0.9110 - val_loss: 0.4925 - val_accuracy: 0.8712
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3750 - accuracy:
87/750 [=====>.....] - ETA: 0s - loss: 0.3842 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3804 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.3772 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.3767 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy:

0.9134 [=====>.....] - ETA: 0s - loss: 0.3799 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3799 - accuracy:
0.9126 [=====>.....] - ETA: 0s - loss: 0.3821 - accuracy:
708/750 [=====>.....] - ETA: 0s - loss: 0.3821 - accuracy:
0.9118 [=====>.....] - ETA: 0s - loss: 0.3812 - accuracy:
750/750 [=====] - 1s 704us/step - loss: 0.3812 - accuracy:
0.9122 - val_loss: 0.4782 - val_accuracy: 0.8810
Epoch 102/220

1/750 [=====] - ETA: 0s - loss: 0.2860 - accuracy:
0.9531 [=====] - ETA: 0s - loss: 0.3911 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.3911 - accuracy:
0.9089 [=====] - ETA: 0s - loss: 0.3852 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3852 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.3754 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.3754 - accuracy:
0.9142 [=====>.....] - ETA: 0s - loss: 0.3809 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.3809 - accuracy:
0.9121 [=====>.....] - ETA: 0s - loss: 0.3778 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3778 - accuracy:
0.9134 [=====>.....] - ETA: 0s - loss: 0.3780 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3780 - accuracy:
0.9131 [=====>.....] - ETA: 0s - loss: 0.3803 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9121 [=====>.....] - ETA: 0s - loss: 0.3817 - accuracy:
706/750 [=====>.....] - ETA: 0s - loss: 0.3817 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.3825 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.3825 - accuracy:
0.9112 - val_loss: 0.4650 - val_accuracy: 0.8831
Epoch 103/220

1/750 [=====] - ETA: 0s - loss: 0.3651 - accuracy:
0.9219 [=====] - ETA: 0s - loss: 0.3886 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3886 - accuracy:
0.9092 [=====] - ETA: 0s - loss: 0.3830 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3830 - accuracy:
0.9124 [=====>.....] - ETA: 0s - loss: 0.3815 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.3815 - accuracy:
0.9119 [=====>.....] - ETA: 0s - loss: 0.3818 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.3818 - accuracy:
0.9123 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9124 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.3831 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3831 - accuracy:
0.9117 [=====>.....] - ETA: 0s - loss: 0.3807 - accuracy:
690/750 [=====>.....] - ETA: 0s - loss: 0.3807 - accuracy:
0.9130 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy:
750/750 [=====] - 1s 725us/step - loss: 0.3795 - accuracy:

0.9135 - val_loss: 0.4687 - val_accuracy: 0.8841
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.4109 - accuracy:
0.9062
92/750 [==>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9212
178/750 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy:
0.9185
266/750 [=====>.....] - ETA: 0s - loss: 0.3726 - accuracy:
0.9159
356/750 [======>.....] - ETA: 0s - loss: 0.3756 - accuracy:
0.9145
442/750 [======>.....] - ETA: 0s - loss: 0.3779 - accuracy:
0.9128
530/750 [======>.....] - ETA: 0s - loss: 0.3773 - accuracy:
0.9138
617/750 [======>.....] - ETA: 0s - loss: 0.3789 - accuracy:
0.9132
702/750 [======>..] - ETA: 0s - loss: 0.3803 - accuracy:
0.9125
750/750 [=====] - 1s 718us/step - loss: 0.3810 - accuracy:
0.9120 - val_loss: 0.4720 - val_accuracy: 0.8832
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9222
173/750 [=====>.....] - ETA: 0s - loss: 0.3689 - accuracy:
0.9184
259/750 [=====>.....] - ETA: 0s - loss: 0.3706 - accuracy:
0.9167
348/750 [======>.....] - ETA: 0s - loss: 0.3709 - accuracy:
0.9167
434/750 [======>.....] - ETA: 0s - loss: 0.3734 - accuracy:
0.9156
522/750 [======>.....] - ETA: 0s - loss: 0.3772 - accuracy:
0.9142
607/750 [======>.....] - ETA: 0s - loss: 0.3783 - accuracy:
0.9138
693/750 [======>...] - ETA: 0s - loss: 0.3785 - accuracy:
0.9142
750/750 [=====] - 1s 710us/step - loss: 0.3797 - accuracy:
0.9136 - val_loss: 0.4732 - val_accuracy: 0.8813
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3672 - accuracy:

0.9199 [.....] - ETA: 0s - loss: 0.3724 - accuracy: 0.9161
175/750 [=====>.....] - ETA: 0s - loss: 0.3724 - accuracy: 0.9161
256/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy: 0.9161
339/750 [=====>.....] - ETA: 0s - loss: 0.3716 - accuracy: 0.9169
418/750 [=====>.....] - ETA: 0s - loss: 0.3751 - accuracy: 0.9148
505/750 [=====>.....] - ETA: 0s - loss: 0.3785 - accuracy: 0.9134
595/750 [=====>.....] - ETA: 0s - loss: 0.3794 - accuracy: 0.9130
681/750 [=====>...] - ETA: 0s - loss: 0.3804 - accuracy: 0.9126
750/750 [=====>] - 1s 740us/step - loss: 0.3812 - accuracy: 0.9125 - val_loss: 0.4892 - val_accuracy: 0.8744
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.3616 - accuracy: 0.9230
169/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy: 0.9196
254/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy: 0.9192
343/750 [=====>.....] - ETA: 0s - loss: 0.3700 - accuracy: 0.9177
426/750 [=====>.....] - ETA: 0s - loss: 0.3768 - accuracy: 0.9155
512/750 [=====>.....] - ETA: 0s - loss: 0.3768 - accuracy: 0.9148
599/750 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy: 0.9145
684/750 [=====>...] - ETA: 0s - loss: 0.3786 - accuracy: 0.9141
750/750 [=====>] - 1s 750us/step - loss: 0.3792 - accuracy: 0.9135 - val_loss: 0.4681 - val_accuracy: 0.8846
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.3534 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.3681 - accuracy: 0.9159
170/750 [=====>.....] - ETA: 0s - loss: 0.3731 - accuracy: 0.9154
258/750 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy: 0.9162
345/750 [=====>.....] - ETA: 0s - loss: 0.3715 - accuracy:

0.9157 [=====>.....] - ETA: 0s - loss: 0.3759 - accuracy:
428/750 [=====>.....] - ETA: 0s - loss: 0.3759 - accuracy:
0.9137 [=====>.....] - ETA: 0s - loss: 0.3782 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.3782 - accuracy:
0.9136 [=====>.....] - ETA: 0s - loss: 0.3773 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3773 - accuracy:
0.9133 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.3774 - accuracy:
0.9135 [=====>...] - ETA: 0s - loss: 0.3771 - accuracy:
750/750 [=====] - 1s 721us/step - loss: 0.3771 - accuracy:
0.9139 - val_loss: 0.4690 - val_accuracy: 0.8861
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy:
83/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy:
0.9128 [=====>.....] - ETA: 0s - loss: 0.3748 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.3748 - accuracy:
0.9159 [=====>.....] - ETA: 0s - loss: 0.3717 - accuracy:
240/750 [=====>.....] - ETA: 0s - loss: 0.3717 - accuracy:
0.9168 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy:
327/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy:
0.9153 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
414/750 [=====>.....] - ETA: 0s - loss: 0.3774 - accuracy:
0.9147 [=====>.....] - ETA: 0s - loss: 0.3778 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.3778 - accuracy:
0.9142 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy:
0.9138 [=====>.....] - ETA: 0s - loss: 0.3773 - accuracy:
680/750 [=====>...] - ETA: 0s - loss: 0.3773 - accuracy:
0.9143 [=====>...] - ETA: 0s - loss: 0.3774 - accuracy:
750/750 [=====] - 1s 725us/step - loss: 0.3774 - accuracy:
0.9143 - val_loss: 0.4699 - val_accuracy: 0.8827
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.3932 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9211 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy:
0.9176 [=====>.....] - ETA: 0s - loss: 0.3718 - accuracy:
240/750 [=====>.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9163 [=====>.....] - ETA: 0s - loss: 0.3751 - accuracy:
327/750 [=====>.....] - ETA: 0s - loss: 0.3751 - accuracy:
0.9145 [=====>.....] - ETA: 0s - loss: 0.3767 - accuracy:
412/750 [=====>.....] - ETA: 0s - loss: 0.3767 - accuracy:
0.9145 [=====>.....] - ETA: 0s - loss: 0.3746 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.3746 - accuracy:
0.9156 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy:

0.9158 [=====] - ETA: 0s - loss: 0.3742 - accuracy: 0.9149
681/750 [=====>...] - ETA: 0s - loss: 0.3742 - accuracy: 0.9149
750/750 [=====] - 1s 716us/step - loss: 0.3761 - accuracy: 0.9143 - val_loss: 0.4732 - val_accuracy: 0.8824
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.2910 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3626 - accuracy: 0.9243
174/750 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy: 0.9198
254/750 [=====>.....] - ETA: 0s - loss: 0.3700 - accuracy: 0.9165
339/750 [=====>.....] - ETA: 0s - loss: 0.3712 - accuracy: 0.9154
425/750 [=====>.....] - ETA: 0s - loss: 0.3730 - accuracy: 0.9144
513/750 [=====>.....] - ETA: 0s - loss: 0.3744 - accuracy: 0.9139
600/750 [=====>.....] - ETA: 0s - loss: 0.3755 - accuracy: 0.9141
687/750 [=====>...] - ETA: 0s - loss: 0.3759 - accuracy: 0.9142
750/750 [=====] - 1s 721us/step - loss: 0.3763 - accuracy: 0.9143 - val_loss: 0.4789 - val_accuracy: 0.8812
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.3065 - accuracy: 0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.3683 - accuracy: 0.9138
176/750 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy: 0.9125
259/750 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy: 0.9129
348/750 [=====>.....] - ETA: 0s - loss: 0.3752 - accuracy: 0.9129
437/750 [=====>.....] - ETA: 0s - loss: 0.3751 - accuracy: 0.9136
521/750 [=====>.....] - ETA: 0s - loss: 0.3748 - accuracy: 0.9137
606/750 [=====>.....] - ETA: 0s - loss: 0.3737 - accuracy: 0.9141
693/750 [=====>...] - ETA: 0s - loss: 0.3748 - accuracy: 0.9139
750/750 [=====] - 1s 709us/step - loss: 0.3746 - accuracy: 0.9139 - val_loss: 0.4701 - val_accuracy: 0.8810
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.3169 - accuracy: 0.9688
87/750 [==>.....] - ETA: 0s - loss: 0.3693 - accuracy: 0.9147
176/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9165
266/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9162
358/750 [======>.....] - ETA: 0s - loss: 0.3740 - accuracy: 0.9148
448/750 [======>.....] - ETA: 0s - loss: 0.3748 - accuracy: 0.9142
537/750 [======>.....] - ETA: 0s - loss: 0.3771 - accuracy: 0.9133
627/750 [======>.....] - ETA: 0s - loss: 0.3755 - accuracy: 0.9145
718/750 [======>..] - ETA: 0s - loss: 0.3737 - accuracy: 0.9154
750/750 [=====] - 1s 693us/step - loss: 0.3743 - accuracy: 0.9150 - val_loss: 0.4779 - val_accuracy: 0.8782
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.9531
81/750 [==>.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.9128
164/750 [=====>.....] - ETA: 0s - loss: 0.3719 - accuracy: 0.9133
255/750 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy: 0.9162
343/750 [======>.....] - ETA: 0s - loss: 0.3731 - accuracy: 0.9158
434/750 [======>.....] - ETA: 0s - loss: 0.3722 - accuracy: 0.9158
525/750 [======>.....] - ETA: 0s - loss: 0.3743 - accuracy: 0.9148
612/750 [======>.....] - ETA: 0s - loss: 0.3779 - accuracy: 0.9139
705/750 [======>..] - ETA: 0s - loss: 0.3765 - accuracy: 0.9141
750/750 [=====] - 1s 700us/step - loss: 0.3763 - accuracy: 0.9143 - val_loss: 0.4639 - val_accuracy: 0.8853
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.3761 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3502 - accuracy: 0.9270
176/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:

0.9212 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy:
0.9189 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
0.9193 [=====>.....] - ETA: 0s - loss: 0.3684 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy:
0.9190 [=====>.....] - ETA: 0s - loss: 0.3720 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy:
0.9166 [=====>.....] - ETA: 0s - loss: 0.3727 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.3727 - accuracy:
0.9166 [=====] - 1s 694us/step - loss: 0.3727 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3727 - accuracy:
0.9164 - val_loss: 0.4765 - val_accuracy: 0.8786
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.4094 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.3653 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3695 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3735 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9176 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.3700 - accuracy:
0.9150 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9175 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9171 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9171 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9162 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.3728 - accuracy:
0.9151 [=====>.....] - 1s 690us/step - loss: 0.3727 - accuracy:
750/750 [=====>.....] - 1s 690us/step - loss: 0.3727 - accuracy:
0.9151 - val_loss: 0.4875 - val_accuracy: 0.8741
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.3683 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3650 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3726 - accuracy:
0.9182 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:
0.9137 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:
0.9141 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:
0.9148 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy:

0.9164 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy:
0.9151 [=====>.....] - ETA: 0s - loss: 0.3723 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.3723 - accuracy:
0.9160 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
711/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9159 [=====>.....] - ETA: 0s - loss: 0.3726 - accuracy:
750/750 [=====] - 1s 698us/step - loss: 0.3726 - accuracy:
0.9160 - val_loss: 0.4652 - val_accuracy: 0.8838
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.3713 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
86/750 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
0.9214 [=====>.....] - ETA: 0s - loss: 0.3663 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.3663 - accuracy:
0.9188 [=====>.....] - ETA: 0s - loss: 0.3697 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.3697 - accuracy:
0.9166 [=====>.....] - ETA: 0s - loss: 0.3676 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.3676 - accuracy:
0.9176 [=====>.....] - ETA: 0s - loss: 0.3693 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.3693 - accuracy:
0.9169 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.3711 - accuracy:
694/750 [=====>.....] - ETA: 0s - loss: 0.3711 - accuracy:
0.9159 [=====>.....] - ETA: 0s - loss: 0.3717 - accuracy:
750/750 [=====] - 1s 714us/step - loss: 0.3717 - accuracy:
0.9158 - val_loss: 0.4698 - val_accuracy: 0.8820
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.3392 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy:
80/750 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
165/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9187 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy:
252/750 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy:
0.9133 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy:
340/750 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy:
0.9134 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
0.9155 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.3720 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3720 - accuracy:
0.9157 [=====>.....] - ETA: 0s - loss: 0.3722 - accuracy:
687/750 [=====>.....] - ETA: 0s - loss: 0.3722 - accuracy:

0.9157
750/750 [=====] - 1s 717us/step - loss: 0.3727 - accuracy:
0.9152 - val_loss: 0.4844 - val_accuracy: 0.8776
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3766 - accuracy:
0.9148
180/750 [=====>.....] - ETA: 0s - loss: 0.3740 - accuracy:
0.9145
265/750 [=====>.....] - ETA: 0s - loss: 0.3768 - accuracy:
0.9143
354/750 [=====>.....] - ETA: 0s - loss: 0.3753 - accuracy:
0.9141
441/750 [=====>.....] - ETA: 0s - loss: 0.3776 - accuracy:
0.9130
524/750 [=====>.....] - ETA: 0s - loss: 0.3754 - accuracy:
0.9136
612/750 [=====>.....] - ETA: 0s - loss: 0.3740 - accuracy:
0.9143
699/750 [=====>...] - ETA: 0s - loss: 0.3731 - accuracy:
0.9142
750/750 [=====] - 1s 708us/step - loss: 0.3725 - accuracy:
0.9145 - val_loss: 0.4934 - val_accuracy: 0.8735
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.2570 - accuracy:
0.9844
87/750 [==>.....] - ETA: 0s - loss: 0.3601 - accuracy:
0.9177
176/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
0.9169
261/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9180
350/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9184
441/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
0.9172
522/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy:
0.9163
607/750 [=====>.....] - ETA: 0s - loss: 0.3691 - accuracy:
0.9166
694/750 [=====>...] - ETA: 0s - loss: 0.3704 - accuracy:
0.9160
750/750 [=====] - 1s 713us/step - loss: 0.3709 - accuracy:
0.9161 - val_loss: 0.4849 - val_accuracy: 0.8786
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.2615 - accuracy:

0.9688 [.....] - ETA: 0s - loss: 0.3532 - accuracy: 0.9210
87/750 [==>.....] - ETA: 0s - loss: 0.3532 - accuracy: 0.9210
175/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9174
264/750 [=====>.....] - ETA: 0s - loss: 0.3615 - accuracy: 0.9178
349/750 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy: 0.9174
435/750 [=====>.....] - ETA: 0s - loss: 0.3654 - accuracy: 0.9174
521/750 [=====>.....] - ETA: 0s - loss: 0.3677 - accuracy: 0.9166
609/750 [=====>.....] - ETA: 0s - loss: 0.3683 - accuracy: 0.9165
697/750 [=====>...] - ETA: 0s - loss: 0.3700 - accuracy: 0.9161
750/750 [=====>] - 1s 705us/step - loss: 0.3691 - accuracy: 0.9161 - val_loss: 0.4767 - val_accuracy: 0.8842
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.2645 - accuracy: 1.0000
84/750 [==>.....] - ETA: 0s - loss: 0.3628 - accuracy: 0.9211
172/750 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy: 0.9164
260/750 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy: 0.9168
346/750 [=====>.....] - ETA: 0s - loss: 0.3707 - accuracy: 0.9171
431/750 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy: 0.9168
516/750 [=====>.....] - ETA: 0s - loss: 0.3697 - accuracy: 0.9171
601/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy: 0.9172
687/750 [=====>...] - ETA: 0s - loss: 0.3693 - accuracy: 0.9165
750/750 [=====>] - 1s 714us/step - loss: 0.3706 - accuracy: 0.9160 - val_loss: 0.4894 - val_accuracy: 0.8767
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.3429 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9184
176/750 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy: 0.9181
265/750 [=====>.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.9181

0.9170 [=====>.....] - ETA: 0s - loss: 0.3655 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy:
0.9177 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.3682 - accuracy:
0.9171 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9176 - val_loss: 0.4955 - val_accuracy: 0.8763
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.4327 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.3549 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy:
0.9214 [=====>.....] - ETA: 0s - loss: 0.3624 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.3623 - accuracy:
0.9228 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.3667 - accuracy:
0.9209 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.3680 - accuracy:
0.9209 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9190 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9184 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
600/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9182 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
687/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9179 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
750/750 [=====>.....] - 1s 712us/step - loss: 0.3681 - accuracy:
0.9183 - val_loss: 0.4817 - val_accuracy: 0.8823
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3717 - accuracy:
91/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.3651 - accuracy:
0.9190 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9189 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:

0.9176 [=====] - ETA: 0s - loss: 0.3686 - accuracy:
625/750 [=====] - ETA: 0s - loss: 0.3686 - accuracy:
0.9174 [=====] - ETA: 0s - loss: 0.3686 - accuracy:
714/750 [=====] - ETA: 0s - loss: 0.3690 - accuracy:
0.9169 [=====] - ETA: 0s - loss: 0.3687 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3687 - accuracy:
0.9170 - val_loss: 0.4711 - val_accuracy: 0.8838
Epoch 127/220

1/750 [=====] - ETA: 0s - loss: 0.2696 - accuracy:
0.9688 [=====] - ETA: 0s - loss: 0.3543 - accuracy:
92/750 [=====] - ETA: 0s - loss: 0.3543 - accuracy:
0.9231 [=====] - ETA: 0s - loss: 0.3604 - accuracy:
180/750 [=====] - ETA: 0s - loss: 0.3604 - accuracy:
0.9210 [=====] - ETA: 0s - loss: 0.3650 - accuracy:
267/750 [=====] - ETA: 0s - loss: 0.3650 - accuracy:
0.9194 [=====] - ETA: 0s - loss: 0.3653 - accuracy:
356/750 [=====] - ETA: 0s - loss: 0.3653 - accuracy:
0.9186 [=====] - ETA: 0s - loss: 0.3684 - accuracy:
445/750 [=====] - ETA: 0s - loss: 0.3684 - accuracy:
0.9177 [=====] - ETA: 0s - loss: 0.3679 - accuracy:
531/750 [=====] - ETA: 0s - loss: 0.3679 - accuracy:
0.9179 [=====] - ETA: 0s - loss: 0.3695 - accuracy:
620/750 [=====] - ETA: 0s - loss: 0.3695 - accuracy:
0.9171 [=====] - ETA: 0s - loss: 0.3701 - accuracy:
708/750 [=====] - ETA: 0s - loss: 0.3701 - accuracy:
0.9166 [=====] - ETA: 0s - loss: 0.3689 - accuracy:
750/750 [=====] - 1s 698us/step - loss: 0.3689 - accuracy:
0.9172 - val_loss: 0.5089 - val_accuracy: 0.8735
Epoch 128/220

1/750 [=====] - ETA: 0s - loss: 0.3880 - accuracy:
0.9219 [=====] - ETA: 0s - loss: 0.3575 - accuracy:
88/750 [=====] - ETA: 0s - loss: 0.3575 - accuracy:
0.9231 [=====] - ETA: 0s - loss: 0.3618 - accuracy:
178/750 [=====] - ETA: 0s - loss: 0.3618 - accuracy:
0.9214 [=====] - ETA: 0s - loss: 0.3660 - accuracy:
262/750 [=====] - ETA: 0s - loss: 0.3660 - accuracy:
0.9197 [=====] - ETA: 0s - loss: 0.3653 - accuracy:
350/750 [=====] - ETA: 0s - loss: 0.3653 - accuracy:
0.9191 [=====] - ETA: 0s - loss: 0.3672 - accuracy:
439/750 [=====] - ETA: 0s - loss: 0.3672 - accuracy:
0.9174 [=====] - ETA: 0s - loss: 0.3668 - accuracy:
526/750 [=====] - ETA: 0s - loss: 0.3668 - accuracy:
0.9181 [=====] - ETA: 0s - loss: 0.3665 - accuracy:
615/750 [=====] - ETA: 0s - loss: 0.3665 - accuracy:
0.9187 [=====] - ETA: 0s - loss: 0.3654 - accuracy:
702/750 [=====] - ETA: 0s - loss: 0.3654 - accuracy:
0.9191 [=====] - ETA: 0s - loss: 0.3664 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3664 - accuracy:

0.9188 - val_loss: 0.5125 - val_accuracy: 0.8721
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.4005 - accuracy:
0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3627 - accuracy:
0.9182
177/750 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy:
0.9222
261/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9208
351/750 [======>.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9199
438/750 [======>.....] - ETA: 0s - loss: 0.3665 - accuracy:
0.9188
525/750 [======>.....] - ETA: 0s - loss: 0.3667 - accuracy:
0.9187
615/750 [======>.....] - ETA: 0s - loss: 0.3656 - accuracy:
0.9190
702/750 [======>..] - ETA: 0s - loss: 0.3644 - accuracy:
0.9193
750/750 [=====] - 1s 698us/step - loss: 0.3660 - accuracy:
0.9185 - val_loss: 0.5128 - val_accuracy: 0.8663
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.2800 - accuracy:
0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9228
181/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9204
267/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9197
356/750 [======>.....] - ETA: 0s - loss: 0.3640 - accuracy:
0.9205
444/750 [======>.....] - ETA: 0s - loss: 0.3633 - accuracy:
0.9196
535/750 [======>.....] - ETA: 0s - loss: 0.3633 - accuracy:
0.9194
628/750 [======>.....] - ETA: 0s - loss: 0.3640 - accuracy:
0.9188
716/750 [======>..] - ETA: 0s - loss: 0.3676 - accuracy:
0.9182
750/750 [=====] - 1s 694us/step - loss: 0.3676 - accuracy:
0.9181 - val_loss: 0.4869 - val_accuracy: 0.8794
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.2561 - accuracy:
0.9688
87/750 [==>.....] - ETA: 0s - loss: 0.3584 - accuracy:

0.9204 [.....] - ETA: 0s - loss: 0.3556 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3556 - accuracy:
0.9213 [.....] - ETA: 0s - loss: 0.3558 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.3558 - accuracy:
0.9222 [.....] - ETA: 0s - loss: 0.3591 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9212 [.....] - ETA: 0s - loss: 0.3614 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
0.9208 [.....] - ETA: 0s - loss: 0.3613 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
0.9200 [.....] - ETA: 0s - loss: 0.3632 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.3632 - accuracy:
0.9189 [.....] - ETA: 0s - loss: 0.3633 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3633 - accuracy:
0.9186 [.....] - ETA: 0s - loss: 0.3647 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3647 - accuracy:
0.9179 - val_loss: 0.4714 - val_accuracy: 0.8820
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.4142 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3660 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.3660 - accuracy:
0.9206 [.....] - ETA: 0s - loss: 0.3689 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3689 - accuracy:
0.9177 [.....] - ETA: 0s - loss: 0.3674 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9191 [.....] - ETA: 0s - loss: 0.3653 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9195 [.....] - ETA: 0s - loss: 0.3655 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3655 - accuracy:
0.9200 [.....] - ETA: 0s - loss: 0.3647 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.3647 - accuracy:
0.9198 [.....] - ETA: 0s - loss: 0.3663 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.3663 - accuracy:
0.9193 [.....] - ETA: 0s - loss: 0.3663 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.3663 - accuracy:
0.9193 [.....] - ETA: 0s - loss: 0.3670 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.3670 - accuracy:
0.9185 - val_loss: 0.4768 - val_accuracy: 0.8813
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.3699 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3773 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3773 - accuracy:
0.9118 [.....] - ETA: 0s - loss: 0.3715 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3715 - accuracy:
0.9145 [.....] - ETA: 0s - loss: 0.3665 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
0.9169 [.....] - ETA: 0s - loss: 0.3637 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:

0.9184 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9185 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
0.9183 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy:
0.9189 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.3633 - accuracy:
0.9195 [=====>..] - ETA: 0s - loss: 0.3641 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3641 - accuracy:
0.9192 - val_loss: 0.4859 - val_accuracy: 0.8796
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.3977 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3765 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3765 - accuracy:
0.9141 [==>.....] - ETA: 0s - loss: 0.3659 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.3659 - accuracy:
0.9182 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
0.9187 [=====>.....] - ETA: 0s - loss: 0.3628 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3628 - accuracy:
0.9193 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy:
0.9176 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3647 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.3647 - accuracy:
0.9181 [=====>..] - ETA: 0s - loss: 0.3642 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3642 - accuracy:
0.9178 - val_loss: 0.4743 - val_accuracy: 0.8832
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.2663 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3715 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.3715 - accuracy:
0.9159 [==>.....] - ETA: 0s - loss: 0.3697 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3697 - accuracy:
0.9163 [=====>.....] - ETA: 0s - loss: 0.3680 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.3680 - accuracy:
0.9168 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy:

0.9185 [=====>..] - ETA: 0s - loss: 0.3640 - accuracy:
0.9184 [=====] - 1s 692us/step - loss: 0.3651 - accuracy:
0.9183 - val_loss: 0.4762 - val_accuracy: 0.8809
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.4435 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3570 - accuracy:
0.9273 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3607 - accuracy:
0.9225 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9226 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3611 - accuracy:
0.9206 [=====>..] - ETA: 0s - loss: 0.3617 - accuracy:
0.9205 [=====] - 1s 696us/step - loss: 0.3647 - accuracy:
0.9194 - val_loss: 0.4695 - val_accuracy: 0.8823
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.4008 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9226 [=====>.....] - ETA: 0s - loss: 0.3563 - accuracy:
0.9215 [=====>.....] - ETA: 0s - loss: 0.3556 - accuracy:
0.9223 [=====>.....] - ETA: 0s - loss: 0.3555 - accuracy:
0.9224 [=====>.....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9200 [=====>.....] - ETA: 0s - loss: 0.3607 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9200 [=====>..] - ETA: 0s - loss: 0.3631 - accuracy:
0.9192 [=====] - 1s 692us/step - loss: 0.3635 - accuracy:
0.9187 - val_loss: 0.4971 - val_accuracy: 0.8719
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.3306 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3587 - accuracy: 0.9217
179/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9236
269/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9243
357/750 [======>.....] - ETA: 0s - loss: 0.3583 - accuracy: 0.9230
448/750 [======>.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9227
537/750 [======>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9208
626/750 [======>.....] - ETA: 0s - loss: 0.3615 - accuracy: 0.9199
716/750 [======>..] - ETA: 0s - loss: 0.3625 - accuracy: 0.9198
750/750 [=====] - 1s 693us/step - loss: 0.3622 - accuracy: 0.9200 - val_loss: 0.4666 - val_accuracy: 0.8842
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.3921 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3517 - accuracy: 0.9261
175/750 [=====>.....] - ETA: 0s - loss: 0.3567 - accuracy: 0.9214
265/750 [=====>.....] - ETA: 0s - loss: 0.3616 - accuracy: 0.9195
357/750 [======>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9204
447/750 [======>.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9193
540/750 [======>.....] - ETA: 0s - loss: 0.3610 - accuracy: 0.9196
630/750 [======>.....] - ETA: 0s - loss: 0.3616 - accuracy: 0.9194
720/750 [======>..] - ETA: 0s - loss: 0.3615 - accuracy: 0.9197
750/750 [=====] - 1s 689us/step - loss: 0.3627 - accuracy: 0.9195 - val_loss: 0.4963 - val_accuracy: 0.8784
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.3948 - accuracy: 0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.3606 - accuracy: 0.9151
177/750 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy:

0.9183 [.....] - ETA: 0s - loss: 0.3591 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9193 [.....] - ETA: 0s - loss: 0.3582 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3582 - accuracy:
0.9204 [.....] - ETA: 0s - loss: 0.3588 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
0.9197 [.....] - ETA: 0s - loss: 0.3589 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy:
0.9207 [.....] - ETA: 0s - loss: 0.3626 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9193 [.....] - ETA: 0s - loss: 0.3628 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.3628 - accuracy:
0.9193 [.....] - ETA: 0s - loss: 0.3617 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.3617 - accuracy:
0.9199 - val_loss: 0.4800 - val_accuracy: 0.8808
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.5207 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.3636 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3636 - accuracy:
0.9170 [.....] - ETA: 0s - loss: 0.3590 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.3590 - accuracy:
0.9183 [.....] - ETA: 0s - loss: 0.3620 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.3620 - accuracy:
0.9181 [.....] - ETA: 0s - loss: 0.3629 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
0.9178 [.....] - ETA: 0s - loss: 0.3644 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
0.9176 [.....] - ETA: 0s - loss: 0.3647 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3647 - accuracy:
0.9179 [.....] - ETA: 0s - loss: 0.3639 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.3639 - accuracy:
0.9184 [.....] - ETA: 0s - loss: 0.3637 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.3637 - accuracy:
0.9191 [.....] - ETA: 0s - loss: 0.3639 - accuracy:
750/750 [=====] - 1s 702us/step - loss: 0.3639 - accuracy:
0.9190 - val_loss: 0.4759 - val_accuracy: 0.8848
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.2914 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3609 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9250 [.....] - ETA: 0s - loss: 0.3585 - accuracy:
183/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9258 [.....] - ETA: 0s - loss: 0.3612 - accuracy:
272/750 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
0.9228 [.....] - ETA: 0s - loss: 0.3584 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy:
0.9226 [.....] - ETA: 0s - loss: 0.3590 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.3590 - accuracy:

0.9218 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
0.9218 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
629/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
0.9212 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.3605 - accuracy:
0.9213 [=====>..] - ETA: 0s - loss: 0.3605 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3616 - accuracy:
0.9208 - val_loss: 0.4709 - val_accuracy: 0.8838
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.2752 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.2752 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9226 [==>.....] - ETA: 0s - loss: 0.3615 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy:
0.9197 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
0.9203 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9200 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3616 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3616 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3615 - accuracy:
0.9209 [=====>..] - ETA: 0s - loss: 0.3615 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3617 - accuracy:
0.9208 - val_loss: 0.4741 - val_accuracy: 0.8828
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.3146 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3146 - accuracy:
85/750 [==>.....] - ETA: 0s - loss: 0.3580 - accuracy:
0.9206 [==>.....] - ETA: 0s - loss: 0.3580 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy:
0.9225 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9218 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3558 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3558 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3575 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3575 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3595 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3595 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
0.9206 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.3593 - accuracy:

0.9206
750/750 [=====] - 1s 710us/step - loss: 0.3603 - accuracy:
0.9204 - val_loss: 0.4884 - val_accuracy: 0.8794
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.2908 - accuracy:
0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9292
176/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9233
267/750 [=====>.....] - ETA: 0s - loss: 0.3530 - accuracy:
0.9222
355/750 [======>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9223
445/750 [======>.....] - ETA: 0s - loss: 0.3561 - accuracy:
0.9212
533/750 [======>.....] - ETA: 0s - loss: 0.3605 - accuracy:
0.9194
622/750 [======>.....] - ETA: 0s - loss: 0.3592 - accuracy:
0.9201
712/750 [======>..] - ETA: 0s - loss: 0.3607 - accuracy:
0.9199
750/750 [=====] - 1s 694us/step - loss: 0.3610 - accuracy:
0.9196 - val_loss: 0.5257 - val_accuracy: 0.8692
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.6330 - accuracy:
0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.3576 - accuracy:
0.9192
179/750 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy:
0.9212
269/750 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9218
354/750 [======>.....] - ETA: 0s - loss: 0.3571 - accuracy:
0.9211
443/750 [======>.....] - ETA: 0s - loss: 0.3572 - accuracy:
0.9218
529/750 [======>.....] - ETA: 0s - loss: 0.3583 - accuracy:
0.9215
613/750 [======>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9208
701/750 [======>..] - ETA: 0s - loss: 0.3601 - accuracy:
0.9204
750/750 [=====] - 1s 708us/step - loss: 0.3608 - accuracy:
0.9201 - val_loss: 0.4728 - val_accuracy: 0.8827
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.2871 - accuracy:

0.9844 [.....] - ETA: 0s - loss: 0.3506 - accuracy: 90/750 [==>.....] - ETA: 0s - loss: 0.3506 - accuracy: 0.9248 [.....] - ETA: 0s - loss: 0.3589 - accuracy: 177/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy: 0.9233 [.....] - ETA: 0s - loss: 0.3549 - accuracy: 265/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9223 [.....] - ETA: 0s - loss: 0.3570 - accuracy: 351/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy: 0.9228 [.....] - ETA: 0s - loss: 0.3584 - accuracy: 435/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy: 0.9236 [.....] - 1s 708us/step - loss: 0.3589 - accuracy: 524/750 [=====>.....] - val_loss: 0.4688 - val_accuracy: 0.8844 609/750 [=====>.....] - Epoch 148/220 0.9234 [.....] 695/750 [=====>...] 0.9225 [.....] 750/750 [=====>] - 1s 708us/step - loss: 0.3589 - accuracy: 0.9223 - val_loss: 0.4688 - val_accuracy: 0.8844 Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.2409 - accuracy: 0.9844 [.....] - ETA: 0s - loss: 0.3425 - accuracy: 88/750 [==>.....] - ETA: 0s - loss: 0.3425 - accuracy: 0.9284 [.....] - ETA: 0s - loss: 0.3483 - accuracy: 176/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9282 [.....] - ETA: 0s - loss: 0.3563 - accuracy: 264/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9270 [.....] - ETA: 0s - loss: 0.3587 - accuracy: 351/750 [=====>.....] - ETA: 0s - loss: 0.3590 - accuracy: 0.9245 [.....] - 1s 712us/step - loss: 0.3601 - accuracy: 437/750 [=====>.....] - val_loss: 0.4696 - val_accuracy: 0.8847 524/750 [=====>.....] - Epoch 149/220 0.9231 [.....] 610/750 [=====>.....] 694/750 [=====>...] 0.9216 [.....] 750/750 [=====>] - 1s 712us/step - loss: 0.3601 - accuracy: 0.9212 - val_loss: 0.4696 - val_accuracy: 0.8847 Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.2981 - accuracy: 0.9375 [.....] - ETA: 0s - loss: 0.3532 - accuracy: 90/750 [==>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9215 [.....] - ETA: 0s - loss: 0.3546 - accuracy: 175/750 [=====>.....] 264/750 [=====>.....]

0.9244 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
0.9232 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
699/750 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
0.9223 [=====>.....] - ETA: 0s - loss: 0.3583 - accuracy:
750/750 [=====] - 1s 706us/step - loss: 0.3583 - accuracy:
0.9223 - val_loss: 0.4763 - val_accuracy: 0.8824
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.4223 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy:
85/750 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
0.9165 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
0.9201 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy:
0.9201 [=====>.....] - ETA: 0s - loss: 0.3596 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy:
0.9229 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
0.9222 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
0.9214 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
0.9208 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
750/750 [=====] - 1s 714us/step - loss: 0.3604 - accuracy:
0.9202 - val_loss: 0.4765 - val_accuracy: 0.8818
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.3933 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
86/750 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9257 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.3551 - accuracy:
0.9240 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9261 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9235 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9221 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.3585 - accuracy:

0.9222 [=====] - ETA: 0s - loss: 0.3587 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.3587 - accuracy:
0.9218 [=====] - ETA: 0s - loss: 0.3587 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.3592 - accuracy:
0.9216 [=====] - ETA: 0s - loss: 0.3592 - accuracy:
750/750 [=====] - 1s 709us/step - loss: 0.3586 - accuracy:
0.9220 - val_loss: 0.4935 - val_accuracy: 0.8782
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5439 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.3599 - accuracy:
0.9215 [.....] - ETA: 0s - loss: 0.3599 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9218 [=====] - ETA: 0s - loss: 0.3566 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy:
0.9236 [=====] - ETA: 0s - loss: 0.3546 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9256 [=====] - ETA: 0s - loss: 0.3497 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
0.9241 [=====] - ETA: 0s - loss: 0.3524 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.3542 - accuracy:
0.9232 [=====] - ETA: 0s - loss: 0.3542 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9224 [=====] - ETA: 0s - loss: 0.3566 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.3568 - accuracy:
0.9222 [=====] - ETA: 0s - loss: 0.3568 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.3573 - accuracy:
0.9219 - val_loss: 0.4916 - val_accuracy: 0.8780
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.4362 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.4362 - accuracy:
85/750 [==>.....] - ETA: 0s - loss: 0.3546 - accuracy:
0.9244 [.....] - ETA: 0s - loss: 0.3546 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.3575 - accuracy:
0.9243 [=====] - ETA: 0s - loss: 0.3575 - accuracy:
259/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy:
0.9233 [=====] - ETA: 0s - loss: 0.3571 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy:
0.9222 [=====] - ETA: 0s - loss: 0.3589 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy:
0.9223 [=====] - ETA: 0s - loss: 0.3579 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9216 [=====] - ETA: 0s - loss: 0.3591 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
0.9218 [=====] - ETA: 0s - loss: 0.3588 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.3579 - accuracy:
0.9221 [=====] - ETA: 0s - loss: 0.3579 - accuracy:
750/750 [=====] - 1s 710us/step - loss: 0.3576 - accuracy:

0.9219 - val_loss: 0.4826 - val_accuracy: 0.8811
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.3685 - accuracy:
0.9162
173/750 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
0.9198
259/750 [======>.....] - ETA: 0s - loss: 0.3617 - accuracy:
0.9195
342/750 [======>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9199
432/750 [======>.....] - ETA: 0s - loss: 0.3561 - accuracy:
0.9212
515/750 [======>.....] - ETA: 0s - loss: 0.3552 - accuracy:
0.9219
600/750 [======>.....] - ETA: 0s - loss: 0.3560 - accuracy:
0.9218
687/750 [======>...] - ETA: 0s - loss: 0.3562 - accuracy:
0.9217
750/750 [=====] - 1s 718us/step - loss: 0.3569 - accuracy:
0.9215 - val_loss: 0.4992 - val_accuracy: 0.8778
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.3944 - accuracy:
0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3543 - accuracy:
0.9263
177/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9269
269/750 [======>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9262
355/750 [======>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9246
447/750 [======>.....] - ETA: 0s - loss: 0.3528 - accuracy:
0.9240
536/750 [======>.....] - ETA: 0s - loss: 0.3544 - accuracy:
0.9230
626/750 [======>.....] - ETA: 0s - loss: 0.3563 - accuracy:
0.9222
717/750 [======>..] - ETA: 0s - loss: 0.3582 - accuracy:
0.9214
750/750 [=====] - 1s 694us/step - loss: 0.3580 - accuracy:
0.9216 - val_loss: 0.4764 - val_accuracy: 0.8817
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.2813 - accuracy:
0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3425 - accuracy:

0.9287 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9278 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9247 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.3549 - accuracy:
0.9230 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9235 [=====>.....] - ETA: 0s - loss: 0.3548 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3548 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy:
0.9214 [=====>..] - ETA: 0s - loss: 0.3554 - accuracy:
706/750 [=====>..] - ETA: 0s - loss: 0.3554 - accuracy:
0.9221 [=====] - 1s 701us/step - loss: 0.3573 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.3573 - accuracy:
0.9214 - val_loss: 0.5230 - val_accuracy: 0.8661
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.5339 - accuracy:
0.8125 [==>.....] - ETA: 0s - loss: 0.3570 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.3570 - accuracy:
0.9195 [====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
172/750 [====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9198 [====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
260/750 [====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
0.9199 [====>.....] - ETA: 0s - loss: 0.3568 - accuracy:
350/750 [====>.....] - ETA: 0s - loss: 0.3568 - accuracy:
0.9217 [====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
441/750 [====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9215 [====>.....] - ETA: 0s - loss: 0.3577 - accuracy:
528/750 [====>.....] - ETA: 0s - loss: 0.3577 - accuracy:
0.9229 [====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
615/750 [====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
0.9235 [====>..] - ETA: 0s - loss: 0.3575 - accuracy:
706/750 [====>..] - ETA: 0s - loss: 0.3575 - accuracy:
0.9231 [=====] - 1s 697us/step - loss: 0.3568 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3568 - accuracy:
0.9235 - val_loss: 0.4760 - val_accuracy: 0.8810
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.2932 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3483 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3483 - accuracy:
0.9261 [====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
177/750 [====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9271 [====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
263/750 [====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9267 [====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
354/750 [====>.....] - ETA: 0s - loss: 0.3472 - accuracy:

0.9278 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
0.9253 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy:
0.9238 [=====>..] - ETA: 0s - loss: 0.3555 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3555 - accuracy:
0.9235 [=====] - 1s 697us/step - loss: 0.3557 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3557 - accuracy:
0.9233 - val_loss: 0.5028 - val_accuracy: 0.8768
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.3093 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3472 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9286 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9266 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy:
0.9252 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
0.9240 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
630/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9246 [=====>..] - ETA: 0s - loss: 0.3569 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.3569 - accuracy:
0.9237 [=====] - 1s 692us/step - loss: 0.3563 - accuracy:
750/750 [=====] - 1s 692us/step - loss: 0.3563 - accuracy:
0.9239 - val_loss: 0.4817 - val_accuracy: 0.8836
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.2606 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3520 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9268 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9257 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy:
0.9257 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy:
0.9246 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy:
0.9241 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy:
0.9235 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy:

0.9226 [=====] - ETA: 0s - loss: 0.3554 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.3554 - accuracy:
0.9233 [=====] - ETA: 0s - loss: 0.3554 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3547 - accuracy:
0.9236 - val_loss: 0.4815 - val_accuracy: 0.8809
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.2995 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.2995 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9300 [.....] - ETA: 0s - loss: 0.3384 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
0.9293 [.....] - ETA: 0s - loss: 0.3434 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9279 [.....] - ETA: 0s - loss: 0.3479 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
0.9278 [.....] - ETA: 0s - loss: 0.3488 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9267 [.....] - ETA: 0s - loss: 0.3502 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy:
0.9260 [.....] - ETA: 0s - loss: 0.3527 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy:
0.9237 [.....] - ETA: 0s - loss: 0.3569 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.3559 - accuracy:
0.9244 [.....] - ETA: 0s - loss: 0.3559 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3571 - accuracy:
0.9239 - val_loss: 0.4792 - val_accuracy: 0.8812
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.4209 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.4209 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9266 [.....] - ETA: 0s - loss: 0.3419 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy:
0.9252 [.....] - ETA: 0s - loss: 0.3467 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.9277 [.....] - ETA: 0s - loss: 0.3447 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9263 [.....] - ETA: 0s - loss: 0.3472 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy:
0.9249 [.....] - ETA: 0s - loss: 0.3506 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9238 [.....] - ETA: 0s - loss: 0.3532 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9241 [.....] - ETA: 0s - loss: 0.3526 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3535 - accuracy:
0.9239 [.....] - ETA: 0s - loss: 0.3535 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3535 - accuracy:
0.9239 - val_loss: 0.4908 - val_accuracy: 0.8797
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.3288 - accuracy: 0.9531
91/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy: 0.9257
181/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy: 0.9269
269/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9268
359/750 [======>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9264
447/750 [======>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9262
535/750 [======>.....] - ETA: 0s - loss: 0.3506 - accuracy: 0.9254
625/750 [======>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9244
713/750 [======>..] - ETA: 0s - loss: 0.3533 - accuracy: 0.9243
750/750 [=====] - 1s 698us/step - loss: 0.3541 - accuracy: 0.9239 - val_loss: 0.4861 - val_accuracy: 0.8800
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.3766 - accuracy: 0.9375
84/750 [==>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9328
175/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy: 0.9284
264/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9263
352/750 [======>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9262
441/750 [======>.....] - ETA: 0s - loss: 0.3509 - accuracy: 0.9253
530/750 [======>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9238
620/750 [======>.....] - ETA: 0s - loss: 0.3550 - accuracy: 0.9234
709/750 [======>..] - ETA: 0s - loss: 0.3542 - accuracy: 0.9236
750/750 [=====] - 1s 694us/step - loss: 0.3550 - accuracy: 0.9232 - val_loss: 0.4782 - val_accuracy: 0.8826
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.3413 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3323 - accuracy: 0.9321
176/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:

0.9287 [=====>.....] - ETA: 0s - loss: 0.3440 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy:
0.9257 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3556 - accuracy:
0.9246 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3553 - accuracy:
0.9227 [=====] - 1s 696us/step - loss: 0.3553 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3553 - accuracy:
0.9231 - val_loss: 0.4721 - val_accuracy: 0.8852
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.3547 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.3559 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3596 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9213 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.3537 - accuracy:
0.9247 [=====>.....] - 1s 710us/step - loss: 0.3537 - accuracy:
750/750 [=====>.....] - 1s 710us/step - loss: 0.3537 - accuracy:
0.9245 - val_loss: 0.5202 - val_accuracy: 0.8703
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.3095 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3370 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.3455 - accuracy:
0.9306 [=====>.....] - ETA: 0s - loss: 0.3544 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9273 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:

0.9249 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9246 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3542 - accuracy:
710/750 [=====>..] - ETA: 0s - loss: 0.3542 - accuracy:
0.9246 [=====] - 1s 697us/step - loss: 0.3545 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3545 - accuracy:
0.9240 - val_loss: 0.4732 - val_accuracy: 0.8834
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.3594 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3558 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3558 - accuracy:
0.9227 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy:
0.9262 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
257/750 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9273 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
343/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
0.9275 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:
0.9270 [=====>.....] - ETA: 0s - loss: 0.3509 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.3509 - accuracy:
0.9271 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9265 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
695/750 [=====>...] - ETA: 0s - loss: 0.3525 - accuracy:
0.9256 [=====>...] - ETA: 0s - loss: 0.3524 - accuracy:
750/750 [=====>] - 1s 709us/step - loss: 0.3524 - accuracy:
0.9259 - val_loss: 0.4956 - val_accuracy: 0.8779
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.3004 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3539 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3539 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy:
182/750 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy:
0.9224 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9225 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9234 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9235 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3547 - accuracy:
0.9229 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy:
624/750 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy:
0.9231 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3543 - accuracy:

0.9231
750/750 [=====] - 1s 694us/step - loss: 0.3539 - accuracy:
0.9231 - val_loss: 0.4778 - val_accuracy: 0.8842
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.2018 - accuracy:
0.9844
89/750 [==>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9259
180/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy:
0.9256
266/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9253
354/750 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9254
437/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9257
518/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9258
600/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9257
688/750 [=====>...] - ETA: 0s - loss: 0.3516 - accuracy:
0.9256
750/750 [=====] - 1s 722us/step - loss: 0.3524 - accuracy:
0.9253 - val_loss: 0.4868 - val_accuracy: 0.8821
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.2832 - accuracy:
0.9688
83/750 [==>.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.9311
169/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9287
256/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9255
345/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
0.9246
435/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy:
0.9240
521/750 [=====>.....] - ETA: 0s - loss: 0.3509 - accuracy:
0.9250
611/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9248
699/750 [=====>...] - ETA: 0s - loss: 0.3517 - accuracy:
0.9246
750/750 [=====] - 1s 704us/step - loss: 0.3512 - accuracy:
0.9247 - val_loss: 0.4783 - val_accuracy: 0.8834
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.2565 - accuracy:

0.9375 [====>.....] - ETA: 0s - loss: 0.3483 - accuracy: 0.9269
178/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9266
268/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9249
357/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy: 0.9245
442/750 [=====>.....] - ETA: 0s - loss: 0.3542 - accuracy: 0.9246
523/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy: 0.9249
605/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy: 0.9244
694/750 [=====>...] - ETA: 0s - loss: 0.3518 - accuracy: 0.9252
750/750 [=====>] - 1s 708us/step - loss: 0.3518 - accuracy: 0.9253 - val_loss: 0.4769 - val_accuracy: 0.8848
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.2539 - accuracy: 0.9531
88/750 [====>.....] - ETA: 0s - loss: 0.3431 - accuracy: 0.9297
177/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy: 0.9296
266/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy: 0.9290
353/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy: 0.9285
442/750 [=====>.....] - ETA: 0s - loss: 0.3509 - accuracy: 0.9271
532/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9275
620/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy: 0.9263
710/750 [=====>..] - ETA: 0s - loss: 0.3525 - accuracy: 0.9258
750/750 [=====>] - 1s 697us/step - loss: 0.3514 - accuracy: 0.9264 - val_loss: 0.4802 - val_accuracy: 0.8827
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.9219
89/750 [====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9289
176/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.9303
267/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:

0.9284 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
0.9267 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9263 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9247 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9257 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
703/750 [=====>..] - ETA: 0s - loss: 0.3511 - accuracy:
0.9253 [=====>..] - ETA: 0s - loss: 0.3519 - accuracy:
750/750 [=====] - 1s 708us/step - loss: 0.3519 - accuracy:
0.9252 - val_loss: 0.5264 - val_accuracy: 0.8672
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.3754 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3464 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9250 [==>.....] - ETA: 0s - loss: 0.3496 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
0.9242 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9234 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3530 - accuracy:
703/750 [=====>..] - ETA: 0s - loss: 0.3530 - accuracy:
0.9250 [=====>..] - ETA: 0s - loss: 0.3523 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3523 - accuracy:
0.9249 - val_loss: 0.5328 - val_accuracy: 0.8643
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.4192 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3491 - accuracy:
92/750 [==>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9263 [==>.....] - ETA: 0s - loss: 0.3486 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9254 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9260 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
0.9262 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9258 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy:

0.9244 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.3533 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3525 - accuracy:
0.9237 - val_loss: 0.4753 - val_accuracy: 0.8857
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.4498 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.4498 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3473 - accuracy:
0.9284 [==>.....] - ETA: 0s - loss: 0.3473 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
0.9290 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9292 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9290 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9277 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9265 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9265 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
709/750 [=====>..] - ETA: 0s - loss: 0.3506 - accuracy:
0.9269 [=====>..] - ETA: 0s - loss: 0.3506 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3511 - accuracy:
0.9266 - val_loss: 0.5193 - val_accuracy: 0.8712
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.4143 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4143 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3317 - accuracy:
0.9336 [==>.....] - ETA: 0s - loss: 0.3317 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9266 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9274 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy:
0.9252 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.3510 - accuracy:
0.9256 [=====>..] - ETA: 0s - loss: 0.3510 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3503 - accuracy:

0.9258 - val_loss: 0.4795 - val_accuracy: 0.8836
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.2701 - accuracy:
0.9688
88/750 [==>.....] - ETA: 0s - loss: 0.3535 - accuracy:
0.9196
176/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9261
266/750 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9262
351/750 [======>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9266
441/750 [======>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9263
530/750 [======>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9257
620/750 [======>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9250
709/750 [======>..] - ETA: 0s - loss: 0.3525 - accuracy:
0.9246
750/750 [=====] - 1s 701us/step - loss: 0.3514 - accuracy:
0.9249 - val_loss: 0.4933 - val_accuracy: 0.8788
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9315
182/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9299
271/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9287
361/750 [======>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9269
451/750 [======>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9268
537/750 [======>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9267
627/750 [======>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9263
714/750 [======>..] - ETA: 0s - loss: 0.3517 - accuracy:
0.9259
750/750 [=====] - 1s 693us/step - loss: 0.3513 - accuracy:
0.9262 - val_loss: 0.4904 - val_accuracy: 0.8794
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.2963 - accuracy:
0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.3493 - accuracy:

0.9244 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9273 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy:
0.9252 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9258 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
0.9268 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3484 - accuracy:
0.9268 [=====>..] - ETA: 0s - loss: 0.3484 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3484 - accuracy:
0.9267 - val_loss: 0.4844 - val_accuracy: 0.8830
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.2943 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9280 [==>.....] - ETA: 0s - loss: 0.3476 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
0.9267 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9261 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9271 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
0.9270 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy:
0.9275 [=====>.....] - ETA: 0s - loss: 0.3493 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3493 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3487 - accuracy:
0.9274 [=====>..] - ETA: 0s - loss: 0.3487 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3487 - accuracy:
0.9274 - val_loss: 0.4962 - val_accuracy: 0.8793
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.3004 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3367 - accuracy:
82/750 [==>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9325 [==>.....] - ETA: 0s - loss: 0.3386 - accuracy:
168/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9321 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
256/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9312 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:

0.9297 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9300 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9283 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9270 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
706/750 [=====>..] - ETA: 0s - loss: 0.3476 - accuracy:
0.9269 [=====>..] - ETA: 0s - loss: 0.3491 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.3491 - accuracy:
0.9266 - val_loss: 0.5044 - val_accuracy: 0.8757
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.3134 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3368 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9291 [==>.....] - ETA: 0s - loss: 0.3384 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9304 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9278 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9256 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9268 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9269 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9265 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
710/750 [=====>..] - ETA: 0s - loss: 0.3490 - accuracy:
0.9268 [=====>..] - ETA: 0s - loss: 0.3487 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3487 - accuracy:
0.9270 - val_loss: 0.4809 - val_accuracy: 0.8827
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.3436 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3431 - accuracy:
93/750 [==>.....] - ETA: 0s - loss: 0.3431 - accuracy:
0.9296 [==>.....] - ETA: 0s - loss: 0.3430 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9283 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3469 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9286 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:

0.9285 [=====] - ETA: 0s - loss: 0.3460 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3460 - accuracy:
0.9285 [=====] - ETA: 0s - loss: 0.3460 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3472 - accuracy:
0.9278 - val_loss: 0.5122 - val_accuracy: 0.8747
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3444 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3388 - accuracy:
0.9334 [.....] - ETA: 0s - loss: 0.3388 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9299 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9287 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9274 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.3507 - accuracy:
0.9274 [=====>..] - ETA: 0s - loss: 0.3507 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.3500 - accuracy:
0.9276 - val_loss: 0.4817 - val_accuracy: 0.8861
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.3240 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3240 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9261 [.....] - ETA: 0s - loss: 0.3443 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
0.9286 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy:
0.9289 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy:
0.9274 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9280 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3454 - accuracy:
0.9285 [=====>..] - ETA: 0s - loss: 0.3454 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.3463 - accuracy:
0.9281 - val_loss: 0.4839 - val_accuracy: 0.8827
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.4149 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9303
182/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy: 0.9279
271/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9284
360/750 [======>.....] - ETA: 0s - loss: 0.3475 - accuracy: 0.9280
452/750 [======>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9281
541/750 [======>.....] - ETA: 0s - loss: 0.3446 - accuracy: 0.9292
629/750 [======>.....] - ETA: 0s - loss: 0.3469 - accuracy: 0.9279
718/750 [======>..] - ETA: 0s - loss: 0.3489 - accuracy: 0.9273
750/750 [=====] - 1s 689us/step - loss: 0.3498 - accuracy: 0.9270 - val_loss: 0.4833 - val_accuracy: 0.8841
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.3339 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9348
174/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy: 0.9332
264/750 [======>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9329
355/750 [======>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9302
446/750 [======>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9295
536/750 [======>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9289
626/750 [======>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9283
715/750 [======>..] - ETA: 0s - loss: 0.3475 - accuracy: 0.9280
750/750 [=====] - 1s 689us/step - loss: 0.3472 - accuracy: 0.9283 - val_loss: 0.4838 - val_accuracy: 0.8802
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9531
92/750 [==>.....] - ETA: 0s - loss: 0.3356 - accuracy: 0.9329
181/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:

0.9324 [.....] - ETA: 0s - loss: 0.3412 - accuracy: 271/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9306 [.....] - ETA: 0s - loss: 0.3439 - accuracy: 357/750 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy: 0.9293 [.....] - ETA: 0s - loss: 0.3441 - accuracy: 447/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9294 [.....] - ETA: 0s - loss: 0.3452 - accuracy: 536/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy: 0.9290 [.....] - ETA: 0s - loss: 0.3478 - accuracy: 625/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9283 [.....] - ETA: 0s - loss: 0.3470 - accuracy: 714/750 [=====>..] - ETA: 0s - loss: 0.3470 - accuracy: 0.9284 [.....] - 1s 694us/step - loss: 0.3463 - accuracy: 750/750 [=====] - 1s 694us/step - loss: 0.3463 - accuracy: 0.9286 - val_loss: 0.4979 - val_accuracy: 0.8812
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.3850 - accuracy: 0.9062 [.....] - ETA: 0s - loss: 0.3356 - accuracy: 93/750 [==>.....] - ETA: 0s - loss: 0.3356 - accuracy: 0.9363 [.....] - ETA: 0s - loss: 0.3432 - accuracy: 182/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9309 [.....] - ETA: 0s - loss: 0.3434 - accuracy: 272/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9304 [.....] - ETA: 0s - loss: 0.3456 - accuracy: 366/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9299 [.....] - ETA: 0s - loss: 0.3462 - accuracy: 455/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9301 [.....] - ETA: 0s - loss: 0.3469 - accuracy: 545/750 [=====>.....] - ETA: 0s - loss: 0.3469 - accuracy: 0.9298 [.....] - ETA: 0s - loss: 0.3472 - accuracy: 635/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9291 [.....] - ETA: 0s - loss: 0.3490 - accuracy: 723/750 [=====>..] - ETA: 0s - loss: 0.3490 - accuracy: 0.9281 [.....] - 1s 686us/step - loss: 0.3488 - accuracy: 750/750 [=====] - 1s 686us/step - loss: 0.3488 - accuracy: 0.9281 - val_loss: 0.4982 - val_accuracy: 0.8795
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.3135 - accuracy: 0.9531 [.....] - ETA: 0s - loss: 0.3355 - accuracy: 91/750 [==>.....] - ETA: 0s - loss: 0.3355 - accuracy: 0.9329 [.....] - ETA: 0s - loss: 0.3363 - accuracy: 183/750 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9307 [.....] - ETA: 0s - loss: 0.3360 - accuracy: 271/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9313 [.....] - ETA: 0s - loss: 0.3400 - accuracy: 360/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9293 [.....] - ETA: 0s - loss: 0.3433 - accuracy: 451/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:

0.9282 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy:
0.9274 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.3475 - accuracy:
0.9269 [=====] - 1s 692us/step - loss: 0.3474 - accuracy:
750/750 [=====] - 1s 692us/step - loss: 0.3474 - accuracy:
0.9269 - val_loss: 0.4888 - val_accuracy: 0.8808
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3444 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9296 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9283 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy:
0.9280 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.3477 - accuracy:
0.9285 [=====>..] - ETA: 0s - loss: 0.3472 - accuracy:
750/750 [=====>..] - 1s 690us/step - loss: 0.3472 - accuracy:
0.9287 - val_loss: 0.5065 - val_accuracy: 0.8790
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3157 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3298 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9305 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9290 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9284 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
624/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9287 [=====>..] - ETA: 0s - loss: 0.3460 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3460 - accuracy:

0.9282
750/750 [=====] - 1s 694us/step - loss: 0.3470 - accuracy:
0.9280 - val_loss: 0.4816 - val_accuracy: 0.8823
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.4025 - accuracy:
0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9275
178/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9288
270/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9281
361/750 [======>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9288
452/750 [======>.....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9289
544/750 [======>.....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9293
628/750 [======>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9290
716/750 [======>..] - ETA: 0s - loss: 0.3462 - accuracy:
0.9286
750/750 [=====] - 1s 693us/step - loss: 0.3455 - accuracy:
0.9288 - val_loss: 0.4857 - val_accuracy: 0.8833
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.3493 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9386
175/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9339
261/750 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9336
350/750 [======>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9342
435/750 [======>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9341
523/750 [======>.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.9321
610/750 [======>.....] - ETA: 0s - loss: 0.3440 - accuracy:
0.9316
695/750 [======>...] - ETA: 0s - loss: 0.3454 - accuracy:
0.9304
750/750 [=====] - 1s 709us/step - loss: 0.3445 - accuracy:
0.9306 - val_loss: 0.4845 - val_accuracy: 0.8827
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.3063 - accuracy:

0.9219
93/750 [==>.....] - ETA: 0s - loss: 0.3383 - accuracy: 0.9335
184/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9348
274/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9312
364/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9300
455/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9291
546/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9291
637/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9288
725/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9294
750/750 [=====>.....] - 1s 681us/step - loss: 0.3459 - accuracy: 0.9288 - val_loss: 0.4841 - val_accuracy: 0.8829
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9356
180/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9347
270/750 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy: 0.9332
360/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy: 0.9312
451/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy: 0.9314
536/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9307
626/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9301
714/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9294
750/750 [=====>.....] - 1s 696us/step - loss: 0.3456 - accuracy: 0.9293 - val_loss: 0.5029 - val_accuracy: 0.8779
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.4491 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.9332
177/750 [=====>.....] - ETA: 0s - loss: 0.3321 - accuracy: 0.9331
267/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:

0.9329 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
0.9322 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9313 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9306 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.3450 - accuracy:
0.9300 [=====>..] - ETA: 0s - loss: 0.3454 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.3454 - accuracy:
0.9295 - val_loss: 0.5485 - val_accuracy: 0.8617
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.4349 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.3435 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9292 [==>.....] - ETA: 0s - loss: 0.3393 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
273/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9303 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
0.9300 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
625/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9289 [=====>.....] - ETA: 0s - loss: 0.3466 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.3466 - accuracy:
0.9291 [=====>..] - ETA: 0s - loss: 0.3462 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.3462 - accuracy:
0.9290 - val_loss: 0.4961 - val_accuracy: 0.8802
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.4061 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3390 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9353 [==>.....] - ETA: 0s - loss: 0.3355 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9357 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
271/750 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
0.9339 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9325 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:

0.9316 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
628/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9309 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
719/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
750/750 [=====] - 1s 688us/step - loss: 0.3421 - accuracy:
0.9309 - val_loss: 0.4830 - val_accuracy: 0.8856
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.2945 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9339 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9323 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9305 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9297 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9296 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
703/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9288 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
750/750 [=====] - 1s 710us/step - loss: 0.3454 - accuracy:
0.9287 - val_loss: 0.4984 - val_accuracy: 0.8767
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.3673 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9299 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9298 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9305 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9301 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
0.9297 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
630/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9290 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
717/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
750/750 [=====] - 1s 688us/step - loss: 0.3454 - accuracy:

0.9293 - val_loss: 0.5054 - val_accuracy: 0.8759
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.2368 - accuracy:
0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9357
177/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9335
267/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9337
354/750 [======>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9333
441/750 [======>.....] - ETA: 0s - loss: 0.3413 - accuracy:
0.9321
529/750 [======>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9312
614/750 [======>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9307
706/750 [======>..] - ETA: 0s - loss: 0.3443 - accuracy:
0.9294
750/750 [=====] - 1s 696us/step - loss: 0.3441 - accuracy:
0.9296 - val_loss: 0.4936 - val_accuracy: 0.8819
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.2903 - accuracy:
0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9312
176/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9317
267/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9280
355/750 [======>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9285
445/750 [======>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9285
536/750 [======>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9289
624/750 [======>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9286
715/750 [======>..] - ETA: 0s - loss: 0.3455 - accuracy:
0.9289
750/750 [=====] - 1s 692us/step - loss: 0.3452 - accuracy:
0.9292 - val_loss: 0.4928 - val_accuracy: 0.8804
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9375
93/750 [==>.....] - ETA: 0s - loss: 0.3362 - accuracy:

0.9308 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9308 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9315 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9298 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9313 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
624/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9306 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
714/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9303 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3428 - accuracy:
0.9300 - val_loss: 0.4910 - val_accuracy: 0.8832
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.4092 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3348 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9337 [==>.....] - ETA: 0s - loss: 0.3341 - accuracy:
181/750 [==>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9350 [==>.....] - ETA: 0s - loss: 0.3400 - accuracy:
271/750 [==>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9332 [==>.....] - ETA: 0s - loss: 0.3434 - accuracy:
358/750 [==>.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9313 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
449/750 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9308 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
538/750 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9299 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
630/750 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9296 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
716/750 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9293 [==>.....] - ETA: 0s - loss: 0.3442 - accuracy:
750/750 [==>.....] - 1s 690us/step - loss: 0.3442 - accuracy:
0.9291 - val_loss: 0.4902 - val_accuracy: 0.8812
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.4068 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3421 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.3487 - accuracy:
0.9281 [==>.....] - ETA: 0s - loss: 0.3460 - accuracy:
179/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9256 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:
266/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9275 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:
355/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:

0.9288
442/750 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy:
0.9308
529/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9306
622/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9301
711/750 [=====>..] - ETA: 0s - loss: 0.3427 - accuracy:
0.9304
750/750 [=====] - 1s 694us/step - loss: 0.3421 - accuracy:
0.9306 - val_loss: 0.5048 - val_accuracy: 0.8791
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.3835 - accuracy:
0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9357
176/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9371
266/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9349
353/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9329
440/750 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9317
533/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9320
620/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9310
709/750 [=====>..] - ETA: 0s - loss: 0.3436 - accuracy:
0.9312
750/750 [=====] - 1s 694us/step - loss: 0.3432 - accuracy:
0.9312 - val_loss: 0.4924 - val_accuracy: 0.8823
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.2515 - accuracy:
0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9370
176/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9365
264/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
0.9351
355/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9350
441/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9334
533/750 [=====>.....] - ETA: 0s - loss: 0.3387 - accuracy:
0.9319
624/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:

0.9314 [=====] - ETA: 0s - loss: 0.3410 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3410 - accuracy:
0.9311 [=====] - ETA: 0s - loss: 0.3410 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3422 - accuracy:
0.9305 - val_loss: 0.5515 - val_accuracy: 0.8622
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.4385 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.4385 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9298 [.....] - ETA: 0s - loss: 0.3375 - accuracy:
184/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9278 [.....] - ETA: 0s - loss: 0.3454 - accuracy:
273/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9292 [.....] - ETA: 0s - loss: 0.3451 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
0.9296 [.....] - ETA: 0s - loss: 0.3450 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9299 [.....] - ETA: 0s - loss: 0.3446 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.9297 [.....] - ETA: 0s - loss: 0.3447 - accuracy:
633/750 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy:
0.9294 [.....] - ETA: 0s - loss: 0.3458 - accuracy:
722/750 [=====>..] - ETA: 0s - loss: 0.3435 - accuracy:
0.9304 [.....] - ETA: 0s - loss: 0.3435 - accuracy:
750/750 [=====] - 1s 686us/step - loss: 0.3434 - accuracy:
0.9306 - val_loss: 0.4808 - val_accuracy: 0.8864
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.2691 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.2691 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9350 [.....] - ETA: 0s - loss: 0.3373 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.3399 - accuracy:
0.9311 [.....] - ETA: 0s - loss: 0.3399 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9295 [.....] - ETA: 0s - loss: 0.3422 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9296 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9304 [.....] - ETA: 0s - loss: 0.3417 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9296 [.....] - ETA: 0s - loss: 0.3444 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9300 [.....] - ETA: 0s - loss: 0.3435 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3422 - accuracy:
0.9304 [.....] - ETA: 0s - loss: 0.3422 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.3424 - accuracy:
0.9301 - val_loss: 0.5009 - val_accuracy: 0.8832
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.3291 - accuracy: 0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.3598 - accuracy: 0.9201
176/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy: 0.9270
268/750 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy: 0.9282
355/750 [======>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9301
446/750 [======>.....] - ETA: 0s - loss: 0.3414 - accuracy: 0.9296
536/750 [======>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9303
623/750 [======>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9296
713/750 [======>..] - ETA: 0s - loss: 0.3427 - accuracy: 0.9295
750/750 [=====] - 1s 693us/step - loss: 0.3445 - accuracy: 0.9291 - val_loss: 0.4834 - val_accuracy: 0.8832
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.3973 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.3668 - accuracy: 0.9286
180/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9325
267/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9314
355/750 [======>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9334
445/750 [======>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9328
536/750 [======>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9317
625/750 [======>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9321
714/750 [======>..] - ETA: 0s - loss: 0.3445 - accuracy: 0.9310
750/750 [=====] - 1s 693us/step - loss: 0.3441 - accuracy: 0.9311 - val_loss: 0.5298 - val_accuracy: 0.8751
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.2934 - accuracy: 0.9531
91/750 [==>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9358
179/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy:

0.9329 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9349 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9324 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy:
0.9326 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
625/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9316 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3412 - accuracy:
0.9316 [=====>..] - ETA: 0s - loss: 0.3411 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.3411 - accuracy:
0.9313 - val_loss: 0.4971 - val_accuracy: 0.8800
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.2884 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3300 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3300 - accuracy:
0.9361 [==>.....] - ETA: 0s - loss: 0.3382 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9324 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9316 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.3420 - accuracy:
0.9314 [=====>..] - ETA: 0s - loss: 0.3424 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.3424 - accuracy:
0.9311 - val_loss: 0.5022 - val_accuracy: 0.8784
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3372 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9356 [==>.....] - ETA: 0s - loss: 0.3375 - accuracy:
162/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9334 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
254/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:

0.9354 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9333 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
0.9328 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.3405 - accuracy:
0.9326 [=====] - 1s 704us/step - loss: 0.3413 - accuracy:
750/750 [=====] - 1s 704us/step - loss: 0.3413 - accuracy:
0.9320 - val_loss: 0.4959 - val_accuracy: 0.8782
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.2542 - accuracy:
0.9688 [==>.....] - ETA: 0s - loss: 0.3312 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.3312 - accuracy:
0.9346 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy:
0.9339 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9336 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9328 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.3401 - accuracy:
0.9328 [=====>..] - ETA: 0s - loss: 0.3401 - accuracy:
750/750 [=====>..] - 1s 692us/step - loss: 0.3401 - accuracy:
0.9325 - val_loss: 0.4997 - val_accuracy: 0.8808
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.3731 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3405 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.3405 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9320 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9322 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9319 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9316 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.3401 - accuracy:

0.9320
750/750 [=====] - 1s 692us/step - loss: 0.3398 - accuracy:
0.9320 - val_loss: 0.5014 - val_accuracy: 0.8779
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.2066 - accuracy:
0.9844
86/750 [==>.....] - ETA: 0s - loss: 0.3244 - accuracy:
0.9400
176/750 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9319
264/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy:
0.9308
352/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9308
442/750 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy:
0.9313
530/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9315
619/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9302
711/750 [=====>..] - ETA: 0s - loss: 0.3451 - accuracy:
0.9301
750/750 [=====] - 1s 692us/step - loss: 0.3449 - accuracy:
0.9302 - val_loss: 0.4981 - val_accuracy: 0.8813

1/313 [.....] - ETA: 3s - loss: 0.5754 - accuracy:
0.9375
110/313 [=====>.....] - ETA: 0s - loss: 0.5124 - accuracy:
0.8778
230/313 [=====>.....] - ETA: 0s - loss: 0.5251 - accuracy:
0.8727
313/313 [=====] - 0s 433us/step - loss: 0.5172 - accuracy:
0.8741
Testing loss: 0.5171683430671692
Testing accuracy: 87.41000294685364%

Running for Model 4/12

Model: "sequential_4"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550

hidden4 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510

```

=====
Total params: 49,960
Trainable params: 49,960
Non-trainable params: 0

```

```

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.01 and
L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50,
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}]
Epoch 1/220

```

```

    1/750 [.....] - ETA: 2:12 - loss: 2.6340 - accuracy:
0.0625
    69/750 [=>.....] - ETA: 0s - loss: 2.5920 - accuracy: 0.1039
    137/750 [====>.....] - ETA: 0s - loss: 2.5294 - accuracy:
0.1385
    208/750 [=====>.....] - ETA: 0s - loss: 2.4564 - accuracy:
0.1817
    279/750 [======>.....] - ETA: 0s - loss: 2.3772 - accuracy:
0.2354
    349/750 [======>.....] - ETA: 0s - loss: 2.2819 - accuracy:
0.2968
    420/750 [======>.....] - ETA: 0s - loss: 2.1571 - accuracy:
0.3482
    493/750 [======>.....] - ETA: 0s - loss: 2.0300 - accuracy:
0.3951
    563/750 [======>.....] - ETA: 0s - loss: 1.9259 - accuracy:
0.4311
    635/750 [======>.....] - ETA: 0s - loss: 1.8337 - accuracy:
0.4635
    708/750 [======>..] - ETA: 0s - loss: 1.7562 - accuracy:
0.4893
    750/750 [=====] - 1s 971us/step - loss: 1.7179 - accuracy:
0.5021 - val_loss: 1.0458 - val_accuracy: 0.7271
Epoch 2/220

```

```

    1/750 [.....] - ETA: 0s - loss: 1.0609 - accuracy:
0.8125
    68/750 [=>.....] - ETA: 0s - loss: 1.0621 - accuracy:

```

0.7210 [.....] - ETA: 0s - loss: 1.0489 - accuracy: 137/750 [====>.....] - ETA: 0s - loss: 1.0489 - accuracy: 0.7284 [.....] - ETA: 0s - loss: 1.0349 - accuracy: 208/750 [=====>.....] - ETA: 0s - loss: 1.0298 - accuracy: 0.7313 [.....] - ETA: 0s - loss: 1.0210 - accuracy: 278/750 [=====>.....] - ETA: 0s - loss: 1.0115 - accuracy: 0.7357 [.....] - ETA: 0s - loss: 1.0035 - accuracy: 347/750 [=====>.....] - ETA: 0s - loss: 0.9975 - accuracy: 0.7357 [.....] - ETA: 0s - loss: 0.9900 - accuracy: 417/750 [=====>.....] - ETA: 0s - loss: 0.9854 - accuracy: 0.7385 [.....] - ETA: 0s - loss: 0.9819 - accuracy: 485/750 [=====>.....] - ETA: 0s - loss: 0.9819 - accuracy: 0.7417 [.....] - ETA: 0s - loss: 0.9819 - accuracy: 554/750 [=====>.....] - ETA: 0s - loss: 0.9819 - accuracy: 0.7428 [.....] - ETA: 0s - loss: 0.9819 - accuracy: 628/750 [=====>.....] - ETA: 0s - loss: 0.9819 - accuracy: 0.7458 [.....] - ETA: 0s - loss: 0.9819 - accuracy: 701/750 [=====>.....] - ETA: 0s - loss: 0.9819 - accuracy: 0.7482 [.....] - ETA: 0s - loss: 0.9819 - accuracy: 750/750 [=====>.....] - 1s 868us/step - loss: 0.9819 - accuracy: 0.7494 - val_loss: 0.9157 - val_accuracy: 0.7744
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 0.8226 - accuracy: 0.8281 [.....] - ETA: 0s - loss: 0.9101 - accuracy: 73/750 [=>.....] - ETA: 0s - loss: 0.9090 - accuracy: 0.7753 [.....] - ETA: 0s - loss: 0.9080 - accuracy: 146/750 [====>.....] - ETA: 0s - loss: 0.9046 - accuracy: 0.7812 [.....] - ETA: 0s - loss: 0.8977 - accuracy: 220/750 [=====>.....] - ETA: 0s - loss: 0.8947 - accuracy: 0.7795 [.....] - ETA: 0s - loss: 0.8895 - accuracy: 292/750 [=====>.....] - ETA: 0s - loss: 0.8890 - accuracy: 0.7811 [.....] - ETA: 0s - loss: 0.8851 - accuracy: 364/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy: 0.7840 [.....] - ETA: 0s - loss: 0.8816 - accuracy: 439/750 [=====>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.7846 [.....] - ETA: 0s - loss: 0.8816 - accuracy: 511/750 [=====>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.7879 [.....] - ETA: 0s - loss: 0.8816 - accuracy: 584/750 [=====>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.7885 [.....] - ETA: 0s - loss: 0.8816 - accuracy: 658/750 [=====>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.7898 [.....] - ETA: 0s - loss: 0.8816 - accuracy: 730/750 [=====>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.7903 [.....] - ETA: 0s - loss: 0.8816 - accuracy: 750/750 [=====>.....] - 1s 842us/step - loss: 0.8816 - accuracy: 0.7911 - val_loss: 0.8339 - val_accuracy: 0.8126
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 0.8962 - accuracy:

0.7500
71/750 [=>.....] - ETA: 0s - loss: 0.8361 - accuracy: 0.8140
144/750 [====>.....] - ETA: 0s - loss: 0.8338 - accuracy: 0.8116
215/750 [=====>.....] - ETA: 0s - loss: 0.8311 - accuracy: 0.8134
289/750 [=====>.....] - ETA: 0s - loss: 0.8349 - accuracy: 0.8121
361/750 [=====>.....] - ETA: 0s - loss: 0.8320 - accuracy: 0.8132
436/750 [=====>.....] - ETA: 0s - loss: 0.8306 - accuracy: 0.8131
510/750 [=====>.....] - ETA: 0s - loss: 0.8258 - accuracy: 0.8141
581/750 [=====>.....] - ETA: 0s - loss: 0.8241 - accuracy: 0.8148
655/750 [=====>....] - ETA: 0s - loss: 0.8235 - accuracy: 0.8146
730/750 [=====>.] - ETA: 0s - loss: 0.8223 - accuracy: 0.8155
750/750 [=====] - 1s 841us/step - loss: 0.8223 - accuracy: 0.8155 - val_loss: 0.8043 - val_accuracy: 0.8199
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 0.6429 - accuracy: 0.8438
70/750 [=>.....] - ETA: 0s - loss: 0.7894 - accuracy: 0.8208
146/750 [====>.....] - ETA: 0s - loss: 0.8011 - accuracy: 0.8190
221/750 [=====>.....] - ETA: 0s - loss: 0.8007 - accuracy: 0.8211
293/750 [=====>.....] - ETA: 0s - loss: 0.7958 - accuracy: 0.8240
368/750 [=====>.....] - ETA: 0s - loss: 0.7910 - accuracy: 0.8255
442/750 [=====>.....] - ETA: 0s - loss: 0.7905 - accuracy: 0.8260
516/750 [=====>.....] - ETA: 0s - loss: 0.7899 - accuracy: 0.8271
593/750 [=====>.....] - ETA: 0s - loss: 0.7863 - accuracy: 0.8280
665/750 [=====>....] - ETA: 0s - loss: 0.7832 - accuracy: 0.8295
738/750 [=====>.] - ETA: 0s - loss: 0.7837 - accuracy: 0.8293
750/750 [=====] - 1s 833us/step - loss: 0.7836 - accuracy: 0.8294 - val_loss: 0.7675 - val_accuracy: 0.8331
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 0.7411 - accuracy: 0.8594
74/750 [= >.....] - ETA: 0s - loss: 0.7496 - accuracy: 0.8408
147/750 [====>.....] - ETA: 0s - loss: 0.7583 - accuracy: 0.8375
222/750 [===== >.....] - ETA: 0s - loss: 0.7668 - accuracy: 0.8335
298/750 [===== >.....] - ETA: 0s - loss: 0.7617 - accuracy: 0.8343
373/750 [===== >.....] - ETA: 0s - loss: 0.7573 - accuracy: 0.8353
448/750 [===== >.....] - ETA: 0s - loss: 0.7579 - accuracy: 0.8361
521/750 [===== >.....] - ETA: 0s - loss: 0.7559 - accuracy: 0.8362
596/750 [===== >.....] - ETA: 0s - loss: 0.7566 - accuracy: 0.8360
670/750 [===== >....] - ETA: 0s - loss: 0.7557 - accuracy: 0.8363
743/750 [===== >.] - ETA: 0s - loss: 0.7553 - accuracy: 0.8366
750/750 [=====] - 1s 828us/step - loss: 0.7554 - accuracy: 0.8367 - val_loss: 0.7485 - val_accuracy: 0.8407
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.8438
74/750 [= >.....] - ETA: 0s - loss: 0.7390 - accuracy: 0.8490
150/750 [====>.....] - ETA: 0s - loss: 0.7286 - accuracy: 0.8482
224/750 [===== >.....] - ETA: 0s - loss: 0.7257 - accuracy: 0.8484
297/750 [===== >.....] - ETA: 0s - loss: 0.7284 - accuracy: 0.8469
369/750 [===== >.....] - ETA: 0s - loss: 0.7292 - accuracy: 0.8457
441/750 [===== >.....] - ETA: 0s - loss: 0.7289 - accuracy: 0.8459
513/750 [===== >.....] - ETA: 0s - loss: 0.7311 - accuracy: 0.8450
588/750 [===== >.....] - ETA: 0s - loss: 0.7323 - accuracy: 0.8444
663/750 [===== >....] - ETA: 0s - loss: 0.7323 - accuracy: 0.8441
740/750 [===== >.] - ETA: 0s - loss: 0.7311 - accuracy: 0.8442
750/750 [=====] - 1s 826us/step - loss: 0.7312 - accuracy:

0.8443 - val_loss: 0.7396 - val_accuracy: 0.8410
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 0.8723 - accuracy:
0.7812
77/750 [==>.....] - ETA: 0s - loss: 0.7442 - accuracy:
0.8364
152/750 [====>.....] - ETA: 0s - loss: 0.7275 - accuracy:
0.8455
227/750 [=====>.....] - ETA: 0s - loss: 0.7229 - accuracy:
0.8476
302/750 [======>.....] - ETA: 0s - loss: 0.7255 - accuracy:
0.8456
378/750 [======>.....] - ETA: 0s - loss: 0.7209 - accuracy:
0.8471
454/750 [======>.....] - ETA: 0s - loss: 0.7197 - accuracy:
0.8473
528/750 [======>.....] - ETA: 0s - loss: 0.7188 - accuracy:
0.8473
604/750 [======>.....] - ETA: 0s - loss: 0.7165 - accuracy:
0.8479
680/750 [======>...] - ETA: 0s - loss: 0.7150 - accuracy:
0.8480
750/750 [=====] - 1s 817us/step - loss: 0.7134 - accuracy:
0.8486 - val_loss: 0.7071 - val_accuracy: 0.8495
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.5563 - accuracy:
0.9219
76/750 [==>.....] - ETA: 0s - loss: 0.7027 - accuracy:
0.8491
149/750 [===>.....] - ETA: 0s - loss: 0.7013 - accuracy:
0.8504
225/750 [=====>.....] - ETA: 0s - loss: 0.7141 - accuracy:
0.8458
302/750 [=====>.....] - ETA: 0s - loss: 0.7070 - accuracy:
0.8492
376/750 [======>.....] - ETA: 0s - loss: 0.7023 - accuracy:
0.8507
451/750 [======>.....] - ETA: 0s - loss: 0.7018 - accuracy:
0.8503
528/750 [======>.....] - ETA: 0s - loss: 0.7023 - accuracy:
0.8507
601/750 [======>.....] - ETA: 0s - loss: 0.6979 - accuracy:
0.8517
678/750 [======>...] - ETA: 0s - loss: 0.6957 - accuracy:
0.8526
750/750 [=====] - 1s 818us/step - loss: 0.6956 - accuracy:
0.8524 - val_loss: 0.6935 - val_accuracy: 0.8548
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.8906
61/750 [= >.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.8560
136/750 [====>.....] - ETA: 0s - loss: 0.6847 - accuracy: 0.8555
212/750 [===== >.....] - ETA: 0s - loss: 0.6898 - accuracy: 0.8518
285/750 [===== >.....] - ETA: 0s - loss: 0.6853 - accuracy: 0.8537
359/750 [===== >.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.8546
434/750 [===== >.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.8551
509/750 [===== >.....] - ETA: 0s - loss: 0.6850 - accuracy: 0.8547
582/750 [===== >.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.8551
654/750 [===== >....] - ETA: 0s - loss: 0.6833 - accuracy: 0.8545
730/750 [===== >.] - ETA: 0s - loss: 0.6830 - accuracy: 0.8548
750/750 [=====] - 1s 840us/step - loss: 0.6824 - accuracy: 0.8553 - val_loss: 0.6863 - val_accuracy: 0.8531
Epoch 11/220

1/750 [.....] - ETA: 1s - loss: 0.6194 - accuracy: 0.8906
72/750 [= >.....] - ETA: 0s - loss: 0.6781 - accuracy: 0.8585
148/750 [====>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.8650
222/750 [===== >.....] - ETA: 0s - loss: 0.6765 - accuracy: 0.8600
297/750 [===== >.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.8588
371/750 [===== >.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.8577
446/750 [===== >.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.8588
519/750 [===== >.....] - ETA: 0s - loss: 0.6715 - accuracy: 0.8588
594/750 [===== >.....] - ETA: 0s - loss: 0.6693 - accuracy: 0.8593
668/750 [===== >....] - ETA: 0s - loss: 0.6682 - accuracy: 0.8594
742/750 [===== >.] - ETA: 0s - loss: 0.6684 - accuracy: 0.8591
750/750 [=====] - 1s 832us/step - loss: 0.6690 - accuracy:

0.8590 - val_loss: 0.6772 - val_accuracy: 0.8555
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.6318 - accuracy:
0.8438
70/750 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy:
0.8719
145/750 [====>.....] - ETA: 0s - loss: 0.6536 - accuracy:
0.8645
217/750 [=====>.....] - ETA: 0s - loss: 0.6637 - accuracy:
0.8613
289/750 [======>.....] - ETA: 0s - loss: 0.6638 - accuracy:
0.8622
365/750 [======>.....] - ETA: 0s - loss: 0.6660 - accuracy:
0.8603
438/750 [======>.....] - ETA: 0s - loss: 0.6618 - accuracy:
0.8612
514/750 [======>.....] - ETA: 0s - loss: 0.6608 - accuracy:
0.8611
589/750 [======>.....] - ETA: 0s - loss: 0.6603 - accuracy:
0.8615
663/750 [======>....] - ETA: 0s - loss: 0.6578 - accuracy:
0.8624
738/750 [======>.] - ETA: 0s - loss: 0.6569 - accuracy:
0.8623
750/750 [=====] - 1s 826us/step - loss: 0.6566 - accuracy:
0.8625 - val_loss: 0.6756 - val_accuracy: 0.8547
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.9531
76/750 [=>.....] - ETA: 0s - loss: 0.6564 - accuracy:
0.8579
151/750 [====>.....] - ETA: 0s - loss: 0.6539 - accuracy:
0.8606
227/750 [=====>.....] - ETA: 0s - loss: 0.6461 - accuracy:
0.8643
302/750 [======>.....] - ETA: 0s - loss: 0.6455 - accuracy:
0.8642
376/750 [======>.....] - ETA: 0s - loss: 0.6451 - accuracy:
0.8647
449/750 [======>.....] - ETA: 0s - loss: 0.6443 - accuracy:
0.8653
523/750 [======>.....] - ETA: 0s - loss: 0.6432 - accuracy:
0.8656
598/750 [======>.....] - ETA: 0s - loss: 0.6448 - accuracy:
0.8652
674/750 [======>....] - ETA: 0s - loss: 0.6449 - accuracy:
0.8647
749/750 [======>.] - ETA: 0s - loss: 0.6442 - accuracy:

0.8646 - val_loss: 0.6599 - val_accuracy: 0.8562
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.8655
148/750 [====>.....] - ETA: 0s - loss: 0.6314 - accuracy: 0.8683
223/750 [=====>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.8679
297/750 [======>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.8689
374/750 [======>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.8678
447/750 [======>.....] - ETA: 0s - loss: 0.6334 - accuracy: 0.8676
524/750 [======>.....] - ETA: 0s - loss: 0.6319 - accuracy: 0.8678
598/750 [======>.....] - ETA: 0s - loss: 0.6346 - accuracy: 0.8668
671/750 [======>....] - ETA: 0s - loss: 0.6349 - accuracy: 0.8666
748/750 [======>.] - ETA: 0s - loss: 0.6347 - accuracy: 0.8668
750/750 [=====] - 1s 818us/step - loss: 0.6346 - accuracy: 0.8669 - val_loss: 0.6459 - val_accuracy: 0.8624
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.8594
76/750 [=>.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.8686
150/750 [====>.....] - ETA: 0s - loss: 0.6339 - accuracy: 0.8686
226/750 [=====>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.8691
302/750 [======>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.8699
378/750 [======>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.8690
452/750 [======>.....] - ETA: 0s - loss: 0.6235 - accuracy: 0.8687
527/750 [======>.....] - ETA: 0s - loss: 0.6222 - accuracy: 0.8686
603/750 [======>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.8684
678/750 [======>....] - ETA: 0s - loss: 0.6244 - accuracy: 0.8684

0.8674
750/750 [=====] - 1s 816us/step - loss: 0.6241 - accuracy:
0.8677 - val_loss: 0.6417 - val_accuracy: 0.8611
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.6316 - accuracy:
0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.5910 - accuracy:
0.8794
151/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
0.8736
227/750 [=====>.....] - ETA: 0s - loss: 0.6131 - accuracy:
0.8735
302/750 [======>.....] - ETA: 0s - loss: 0.6166 - accuracy:
0.8728
377/750 [======>.....] - ETA: 0s - loss: 0.6154 - accuracy:
0.8723
452/750 [======>.....] - ETA: 0s - loss: 0.6160 - accuracy:
0.8722
528/750 [======>.....] - ETA: 0s - loss: 0.6157 - accuracy:
0.8717
604/750 [======>.....] - ETA: 0s - loss: 0.6152 - accuracy:
0.8718
679/750 [======>...] - ETA: 0s - loss: 0.6147 - accuracy:
0.8718
750/750 [=====] - 1s 820us/step - loss: 0.6147 - accuracy:
0.8717 - val_loss: 0.6285 - val_accuracy: 0.8654
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.5743 - accuracy:
0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.6030 - accuracy:
0.8718
147/750 [=====>.....] - ETA: 0s - loss: 0.6069 - accuracy:
0.8715
221/750 [=====>.....] - ETA: 0s - loss: 0.6131 - accuracy:
0.8701
297/750 [======>.....] - ETA: 0s - loss: 0.6126 - accuracy:
0.8694
372/750 [======>.....] - ETA: 0s - loss: 0.6122 - accuracy:
0.8691
447/750 [======>.....] - ETA: 0s - loss: 0.6097 - accuracy:
0.8701
524/750 [======>.....] - ETA: 0s - loss: 0.6075 - accuracy:
0.8709
599/750 [======>.....] - ETA: 0s - loss: 0.6085 - accuracy:
0.8711
673/750 [======>...] - ETA: 0s - loss: 0.6061 - accuracy:
0.8719
747/750 [======>.] - ETA: 0s - loss: 0.6043 - accuracy:

0.8725
750/750 [=====] - 1s 818us/step - loss: 0.6047 - accuracy:
0.8724 - val_loss: 0.6207 - val_accuracy: 0.8666
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.6268 - accuracy:
0.7969
75/750 [==>.....] - ETA: 0s - loss: 0.6068 - accuracy:
0.8690
148/750 [===>.....] - ETA: 0s - loss: 0.6006 - accuracy:
0.8727
225/750 [=====>.....] - ETA: 0s - loss: 0.6004 - accuracy:
0.8740
300/750 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy:
0.8744
374/750 [=====>.....] - ETA: 0s - loss: 0.5994 - accuracy:
0.8740
449/750 [=====>.....] - ETA: 0s - loss: 0.5970 - accuracy:
0.8749
523/750 [=====>.....] - ETA: 0s - loss: 0.5956 - accuracy:
0.8751
601/750 [=====>.....] - ETA: 0s - loss: 0.5959 - accuracy:
0.8749
674/750 [=====>....] - ETA: 0s - loss: 0.5953 - accuracy:
0.8753
748/750 [=====>.] - ETA: 0s - loss: 0.5960 - accuracy:
0.8751
750/750 [=====] - 1s 828us/step - loss: 0.5962 - accuracy:
0.8750 - val_loss: 0.6331 - val_accuracy: 0.8584
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.4871 - accuracy:
0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.5738 - accuracy:
0.8840
146/750 [===>.....] - ETA: 0s - loss: 0.5847 - accuracy:
0.8772
220/750 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
0.8763
292/750 [=====>.....] - ETA: 0s - loss: 0.5847 - accuracy:
0.8775
365/750 [=====>.....] - ETA: 0s - loss: 0.5819 - accuracy:
0.8787
439/750 [=====>.....] - ETA: 0s - loss: 0.5839 - accuracy:
0.8776
512/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy:
0.8772
586/750 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy:
0.8774
661/750 [=====>....] - ETA: 0s - loss: 0.5881 - accuracy:

0.8765 [=====] - ETA: 0s - loss: 0.5883 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.5883 - accuracy:
0.8766 [=====] - ETA: 0s - loss: 0.5883 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.5883 - accuracy:
0.8765 - val_loss: 0.6071 - val_accuracy: 0.8683
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.4587 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5736 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5736 - accuracy:
0.8841 [.....] - ETA: 0s - loss: 0.5660 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.5754 - accuracy:
0.8845 [.....] - ETA: 0s - loss: 0.5754 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.5784 - accuracy:
0.8813 [.....] - ETA: 0s - loss: 0.5784 - accuracy:
293/750 [======>.....] - ETA: 0s - loss: 0.5776 - accuracy:
0.8797 [.....] - ETA: 0s - loss: 0.5781 - accuracy:
366/750 [======>.....] - ETA: 0s - loss: 0.5790 - accuracy:
0.8800 [.....] - ETA: 0s - loss: 0.5790 - accuracy:
436/750 [======>.....] - ETA: 0s - loss: 0.5803 - accuracy:
0.8788 [.....] - ETA: 0s - loss: 0.5803 - accuracy:
507/750 [======>.....] - ETA: 0s - loss: 0.5810 - accuracy:
0.8783 [.....] - ETA: 0s - loss: 0.5810 - accuracy:
580/750 [======>.....] - ETA: 0s - loss: 0.5801 - accuracy:
0.8779 [.....] - ETA: 0s - loss: 0.5801 - accuracy:
652/750 [======>....] - ETA: 0s - loss: 0.5817 - accuracy:
0.8771 [.....] - ETA: 0s - loss: 0.5817 - accuracy:
727/750 [======>.] - ETA: 0s - loss: 0.5817 - accuracy:
0.8773 [.....] - ETA: 0s - loss: 0.5817 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.5817 - accuracy:
0.8768 - val_loss: 0.6019 - val_accuracy: 0.8711
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.5511 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5530 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5704 - accuracy:
0.8858 [.....] - ETA: 0s - loss: 0.5704 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5673 - accuracy:
0.8806 [.....] - ETA: 0s - loss: 0.5673 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
0.8835 [.....] - ETA: 0s - loss: 0.5721 - accuracy:
295/750 [======>.....] - ETA: 0s - loss: 0.5717 - accuracy:
0.8818 [.....] - ETA: 0s - loss: 0.5717 - accuracy:
370/750 [======>.....] - ETA: 0s - loss: 0.5737 - accuracy:
0.8819 [.....] - ETA: 0s - loss: 0.5737 - accuracy:
445/750 [======>.....] - ETA: 0s - loss: 0.5716 - accuracy:
0.8814 [.....] - ETA: 0s - loss: 0.5716 - accuracy:
516/750 [======>.....] - ETA: 0s - loss: 0.5717 - accuracy:
0.8812 [.....] - ETA: 0s - loss: 0.5717 - accuracy:
591/750 [======>.....] - ETA: 0s - loss: 0.5717 - accuracy:

0.8807 [=====>....] - ETA: 0s - loss: 0.5720 - accuracy:
0.8804 [=====>....] - ETA: 0s - loss: 0.5731 - accuracy:
734/750 [=====>..] - ETA: 0s - loss: 0.5722 - accuracy:
0.8796 [=====] - 1s 841us/step - loss: 0.5722 - accuracy:
0.8799 - val_loss: 0.6093 - val_accuracy: 0.8637
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.6220 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.5825 - accuracy:
0.8741 [====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
0.8802 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy:
0.8802 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
0.8812 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy:
0.8813 [=====>.....] - ETA: 0s - loss: 0.5630 - accuracy:
0.8817 [=====>.....] - ETA: 0s - loss: 0.5629 - accuracy:
0.8817 [=====>....] - ETA: 0s - loss: 0.5637 - accuracy:
0.8816 [=====>....] - ETA: 0s - loss: 0.5651 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 0.5660 - accuracy:
0.8815 [=====>..] - 1s 846us/step - loss: 0.5660 - accuracy:
0.8814 - val_loss: 0.5919 - val_accuracy: 0.8697
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.4432 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5646 - accuracy:
0.8822 [====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
0.8799 [=====>.....] - ETA: 0s - loss: 0.5646 - accuracy:
0.8804 [=====>.....] - ETA: 0s - loss: 0.5668 - accuracy:
0.8787 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8793 [=====>.....] - ETA: 0s - loss: 0.5631 - accuracy:
0.8799 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy:

0.8804
583/750 [=====>.....] - ETA: 0s - loss: 0.5600 - accuracy:
0.8809
655/750 [=====>....] - ETA: 0s - loss: 0.5607 - accuracy:
0.8806
728/750 [=====>.] - ETA: 0s - loss: 0.5595 - accuracy:
0.8811
750/750 [=====] - 1s 844us/step - loss: 0.5586 - accuracy:
0.8815 - val_loss: 0.6193 - val_accuracy: 0.8589
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.6427 - accuracy:
0.8594
75/750 [=>.....] - ETA: 0s - loss: 0.5460 - accuracy:
0.8898
149/750 [===>.....] - ETA: 0s - loss: 0.5545 - accuracy:
0.8850
222/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy:
0.8851
293/750 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy:
0.8853
366/750 [=====>.....] - ETA: 0s - loss: 0.5511 - accuracy:
0.8848
441/750 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy:
0.8845
514/750 [=====>.....] - ETA: 0s - loss: 0.5508 - accuracy:
0.8847
588/750 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy:
0.8838
663/750 [=====>....] - ETA: 0s - loss: 0.5516 - accuracy:
0.8841
734/750 [=====>.] - ETA: 0s - loss: 0.5527 - accuracy:
0.8836
750/750 [=====] - 1s 840us/step - loss: 0.5533 - accuracy:
0.8835 - val_loss: 0.5894 - val_accuracy: 0.8694
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.4185 - accuracy:
0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.5660 - accuracy:
0.8772
143/750 [===>.....] - ETA: 0s - loss: 0.5646 - accuracy:
0.8769
216/750 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy:
0.8800
288/750 [=====>.....] - ETA: 0s - loss: 0.5541 - accuracy:
0.8818
360/750 [=====>.....] - ETA: 0s - loss: 0.5510 - accuracy:
0.8831
432/750 [=====>.....] - ETA: 0s - loss: 0.5497 - accuracy:

0.8832 [=====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.5474 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.5453 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
0.8835 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
723/750 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
0.8842 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.5458 - accuracy:
0.8843 - val_loss: 0.6129 - val_accuracy: 0.8575
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.5549 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.5370 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5457 - accuracy:
0.8867 [====>.....] - ETA: 0s - loss: 0.5353 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8846 [====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
219/750 [====>.....] - ETA: 0s - loss: 0.5377 - accuracy:
0.8883 [====>.....] - ETA: 0s - loss: 0.5388 - accuracy:
292/750 [====>.....] - ETA: 0s - loss: 0.5401 - accuracy:
0.8881 [====>.....] - ETA: 0s - loss: 0.5396 - accuracy:
365/750 [====>.....] - ETA: 0s - loss: 0.5412 - accuracy:
0.8865 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
437/750 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8861 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
511/750 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8856 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
585/750 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8853 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
656/750 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8853 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
730/750 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8847 [====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
750/750 [====>.....] - 1s 844us/step - loss: 0.5413 - accuracy:
0.8845 - val_loss: 0.5769 - val_accuracy: 0.8707
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.4454 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.5490 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5428 - accuracy:
0.8831 [==>.....] - ETA: 0s - loss: 0.5438 - accuracy:
147/750 [==>.....] - ETA: 0s - loss: 0.5359 - accuracy:
0.8829 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
220/750 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.8830 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
294/750 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.8860 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
368/750 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:

0.8874 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8865 [=====>.....] - ETA: 0s - loss: 0.5346 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.5346 - accuracy:
0.8863 [=====>.....] - ETA: 0s - loss: 0.5339 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.5339 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5350 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5350 - accuracy:
0.8865 [=====>....] - ETA: 0s - loss: 0.5344 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.5344 - accuracy:
0.8866 [=====>.] - ETA: 0s - loss: 0.5337 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.5337 - accuracy:
0.8867 - val_loss: 0.5735 - val_accuracy: 0.8733
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.5792 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5384 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5384 - accuracy:
0.8848 [=>.....] - ETA: 0s - loss: 0.5319 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.5319 - accuracy:
0.8881 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy:
0.8884 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.8891 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy:
0.8880 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8887 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy:
0.8878 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5310 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5310 - accuracy:
0.8869 [=====>....] - ETA: 0s - loss: 0.5290 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.5290 - accuracy:
0.8870 [=====>.] - ETA: 0s - loss: 0.5295 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.5295 - accuracy:
0.8868 - val_loss: 0.5763 - val_accuracy: 0.8723
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.5256 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5420 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5420 - accuracy:
0.8845 [=>.....] - ETA: 0s - loss: 0.5362 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.5362 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5262 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.5262 - accuracy:

0.8891 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy: 366/750
0.8905 [=====>.....] - ETA: 0s - loss: 0.5221 - accuracy: 441/750
0.8905 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy: 514/750
0.8906 [=====>.....] - ETA: 0s - loss: 0.5231 - accuracy: 585/750
0.8894 [=====>.....] - ETA: 0s - loss: 0.5228 - accuracy: 630/750
0.8892 [=====>...] - ETA: 0s - loss: 0.5234 - accuracy: 693/750
0.8890 [=====] - 1s 883us/step - loss: 0.5222 - accuracy: 750/750
0.8892 - val_loss: 0.5893 - val_accuracy: 0.8618
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.5188 - accuracy: 0.8906
148/750 [===>.....] - ETA: 0s - loss: 0.5173 - accuracy: 0.8891
224/750 [=====>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.8903
299/750 [=====>.....] - ETA: 0s - loss: 0.5171 - accuracy: 0.8885
371/750 [=====>.....] - ETA: 0s - loss: 0.5174 - accuracy: 0.8887
445/750 [=====>.....] - ETA: 0s - loss: 0.5193 - accuracy: 0.8877
521/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8890
596/750 [=====>.....] - ETA: 0s - loss: 0.5175 - accuracy: 0.8891
672/750 [=====>...] - ETA: 0s - loss: 0.5172 - accuracy: 0.8889
746/750 [=====>.] - ETA: 0s - loss: 0.5188 - accuracy: 0.8885
750/750 [=====] - 1s 822us/step - loss: 0.5187 - accuracy: 0.8885 - val_loss: 0.5605 - val_accuracy: 0.8738
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8928
147/750 [===>.....] - ETA: 0s - loss: 0.5054 - accuracy: 0.8967
222/750 [=====>.....] - ETA: 0s - loss: 0.5084 - accuracy:

0.8940 [=====>.....] - ETA: 0s - loss: 0.5125 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5125 - accuracy:
0.8909 [=====>.....] - ETA: 0s - loss: 0.5146 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.5146 - accuracy:
0.8904 [=====>.....] - ETA: 0s - loss: 0.5155 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5155 - accuracy:
0.8895 [=====>.....] - ETA: 0s - loss: 0.5146 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5146 - accuracy:
0.8893 [=====>.....] - ETA: 0s - loss: 0.5153 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5153 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.5150 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.5150 - accuracy:
0.8887 [=====>....] - ETA: 0s - loss: 0.5134 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.5134 - accuracy:
0.8896 [=====>.] - ETA: 0s - loss: 0.5129 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.5129 - accuracy:
0.8897 - val_loss: 0.5539 - val_accuracy: 0.8763
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.5157 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5080 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5080 - accuracy:
0.8912 [==>.....] - ETA: 0s - loss: 0.5078 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5078 - accuracy:
0.8934 [====>.....] - ETA: 0s - loss: 0.5084 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.5084 - accuracy:
0.8924 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy:
0.8916 [=====>.....] - ETA: 0s - loss: 0.5101 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.5101 - accuracy:
0.8904 [=====>.....] - ETA: 0s - loss: 0.5086 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.5086 - accuracy:
0.8910 [=====>.....] - ETA: 0s - loss: 0.5068 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.5068 - accuracy:
0.8911 [=====>.....] - ETA: 0s - loss: 0.5081 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.5081 - accuracy:
0.8909 [=====>.....] - ETA: 0s - loss: 0.5087 - accuracy:
679/750 [=====>...] - ETA: 0s - loss: 0.5087 - accuracy:
0.8902 [=====>...] - ETA: 0s - loss: 0.5077 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.5077 - accuracy:
0.8911 - val_loss: 0.5487 - val_accuracy: 0.8779
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.4832 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.4915 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.4915 - accuracy:
0.8967 [==>.....] - ETA: 0s - loss: 0.4970 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.4970 - accuracy:
0.8947 [====>.....] - ETA: 0s - loss: 0.4990 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.4990 - accuracy:

0.8929 [.....] - ETA: 0s - loss: 0.5044 - accuracy: 0.8902
300/750 [=====>.....] - ETA: 0s - loss: 0.5044 - accuracy: 0.8902
377/750 [=====>.....] - ETA: 0s - loss: 0.5063 - accuracy: 0.8895
452/750 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy: 0.8902
527/750 [=====>.....] - ETA: 0s - loss: 0.5032 - accuracy: 0.8911
603/750 [=====>.....] - ETA: 0s - loss: 0.5039 - accuracy: 0.8915
679/750 [=====>...] - ETA: 0s - loss: 0.5037 - accuracy: 0.8920
750/750 [=====] - 1s 813us/step - loss: 0.5037 - accuracy: 0.8919 - val_loss: 0.5444 - val_accuracy: 0.8795
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.4917 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.5104 - accuracy: 0.8871
150/750 [====>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.8870
226/750 [=====>.....] - ETA: 0s - loss: 0.5040 - accuracy: 0.8903
299/750 [=====>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.8910
375/750 [=====>.....] - ETA: 0s - loss: 0.5041 - accuracy: 0.8910
451/750 [=====>.....] - ETA: 0s - loss: 0.5024 - accuracy: 0.8916
527/750 [=====>.....] - ETA: 0s - loss: 0.5014 - accuracy: 0.8922
603/750 [=====>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.8924
679/750 [=====>...] - ETA: 0s - loss: 0.4998 - accuracy: 0.8930
750/750 [=====] - 1s 820us/step - loss: 0.4984 - accuracy: 0.8934 - val_loss: 0.5563 - val_accuracy: 0.8740
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.5418 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.4908 - accuracy: 0.8952
153/750 [====>.....] - ETA: 0s - loss: 0.4821 - accuracy: 0.8986
229/750 [=====>.....] - ETA: 0s - loss: 0.4843 - accuracy: 0.8977
305/750 [=====>.....] - ETA: 0s - loss: 0.4857 - accuracy:

0.8975 [=====>.....] - ETA: 0s - loss: 0.4900 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.4900 - accuracy:
0.8953 [=====>.....] - ETA: 0s - loss: 0.4914 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.4914 - accuracy:
0.8947 [=====>.....] - ETA: 0s - loss: 0.4919 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.4919 - accuracy:
0.8942 [=====>.....] - ETA: 0s - loss: 0.4912 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.4912 - accuracy:
0.8945 [=====>.....] - ETA: 0s - loss: 0.4920 - accuracy:
680/750 [=====>...] - ETA: 0s - loss: 0.4920 - accuracy:
0.8943 [=====>...] - ETA: 0s - loss: 0.4930 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.4930 - accuracy:
0.8941 - val_loss: 0.5467 - val_accuracy: 0.8752
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.6495 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.4841 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.4841 - accuracy:
0.8974 [==>.....] - ETA: 0s - loss: 0.4925 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.4925 - accuracy:
0.8949 [====>.....] - ETA: 0s - loss: 0.4868 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.4868 - accuracy:
0.8970 [=====>.....] - ETA: 0s - loss: 0.4825 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.4825 - accuracy:
0.8985 [=====>.....] - ETA: 0s - loss: 0.4834 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.4834 - accuracy:
0.8984 [=====>.....] - ETA: 0s - loss: 0.4834 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.4834 - accuracy:
0.8975 [=====>.....] - ETA: 0s - loss: 0.4845 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.4845 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.4869 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.4869 - accuracy:
0.8961 [=====>.....] - ETA: 0s - loss: 0.4873 - accuracy:
677/750 [=====>...] - ETA: 0s - loss: 0.4873 - accuracy:
0.8956 [=====>...] - ETA: 0s - loss: 0.4890 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.4890 - accuracy:
0.8950 - val_loss: 0.5452 - val_accuracy: 0.8733
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.6607 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.4745 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.4745 - accuracy:
0.9028 [==>.....] - ETA: 0s - loss: 0.4712 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.4712 - accuracy:
0.9028 [====>.....] - ETA: 0s - loss: 0.4810 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.4810 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.4839 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.4839 - accuracy:
0.8968 [=====>.....] - ETA: 0s - loss: 0.4879 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.4879 - accuracy:

0.8948
455/750 [=====>.....] - ETA: 0s - loss: 0.4865 - accuracy: 0.8954
529/750 [=====>.....] - ETA: 0s - loss: 0.4858 - accuracy: 0.8955
607/750 [=====>.....] - ETA: 0s - loss: 0.4862 - accuracy: 0.8951
680/750 [=====>...] - ETA: 0s - loss: 0.4853 - accuracy: 0.8953
750/750 [=====] - 1s 814us/step - loss: 0.4860 - accuracy: 0.8948 - val_loss: 0.5450 - val_accuracy: 0.8773
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.9375
74/750 [=>.....] - ETA: 0s - loss: 0.4916 - accuracy: 0.8944
149/750 [====>.....] - ETA: 0s - loss: 0.4848 - accuracy: 0.8954
225/750 [=====>.....] - ETA: 0s - loss: 0.4859 - accuracy: 0.8956
300/750 [=====>.....] - ETA: 0s - loss: 0.4831 - accuracy: 0.8959
375/750 [=====>.....] - ETA: 0s - loss: 0.4814 - accuracy: 0.8961
449/750 [=====>.....] - ETA: 0s - loss: 0.4796 - accuracy: 0.8967
526/750 [=====>.....] - ETA: 0s - loss: 0.4814 - accuracy: 0.8961
600/750 [=====>.....] - ETA: 0s - loss: 0.4803 - accuracy: 0.8970
675/750 [=====>...] - ETA: 0s - loss: 0.4801 - accuracy: 0.8968
750/750 [=====] - 1s 818us/step - loss: 0.4813 - accuracy: 0.8964 - val_loss: 0.5314 - val_accuracy: 0.8798
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.4691 - accuracy: 0.8750
77/750 [=>.....] - ETA: 0s - loss: 0.4725 - accuracy: 0.9000
152/750 [====>.....] - ETA: 0s - loss: 0.4655 - accuracy: 0.9024
228/750 [=====>.....] - ETA: 0s - loss: 0.4724 - accuracy: 0.8988
303/750 [=====>.....] - ETA: 0s - loss: 0.4744 - accuracy: 0.8984
379/750 [=====>.....] - ETA: 0s - loss: 0.4790 - accuracy: 0.8970
457/750 [=====>.....] - ETA: 0s - loss: 0.4787 - accuracy:

0.8973 [=====>.....] - ETA: 0s - loss: 0.4778 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.4778 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.4778 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.4774 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.4774 - accuracy:
682/750 [=====>...] - ETA: 0s - loss: 0.4773 - accuracy:
0.8972 [=====>...] - ETA: 0s - loss: 0.4773 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.4776 - accuracy:
0.8974 - val_loss: 0.5522 - val_accuracy: 0.8723
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.4838 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4838 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.4605 - accuracy:
0.9013 [==>.....] - ETA: 0s - loss: 0.4605 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.4681 - accuracy:
0.9002 [====>.....] - ETA: 0s - loss: 0.4681 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.4673 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.4673 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.4712 - accuracy:
0.8985 [=====>.....] - ETA: 0s - loss: 0.4712 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.4762 - accuracy:
0.8958 [=====>.....] - ETA: 0s - loss: 0.4762 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.4741 - accuracy:
0.8964 [=====>.....] - ETA: 0s - loss: 0.4741 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.4733 - accuracy:
0.8970 [=====>.....] - ETA: 0s - loss: 0.4733 - accuracy:
600/750 [=====>.....] - ETA: 0s - loss: 0.4733 - accuracy:
0.8968 [=====>.....] - ETA: 0s - loss: 0.4733 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.4733 - accuracy:
0.8969 [=====>...] - ETA: 0s - loss: 0.4733 - accuracy:
749/750 [=====>.] - ETA: 0s - loss: 0.4749 - accuracy:
0.8966 [=====>.] - ETA: 0s - loss: 0.4749 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.4747 - accuracy:
0.8967 - val_loss: 0.5438 - val_accuracy: 0.8714
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.4649 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4649 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4710 - accuracy:
0.8951 [=>.....] - ETA: 0s - loss: 0.4710 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4789 - accuracy:
0.8928 [====>.....] - ETA: 0s - loss: 0.4789 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.4700 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.4700 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.4688 - accuracy:
0.8987 [=====>.....] - ETA: 0s - loss: 0.4688 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.4701 - accuracy:
0.8978 [=====>.....] - ETA: 0s - loss: 0.4701 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.4739 - accuracy:

0.8963 [=====>.....] - ETA: 0s - loss: 0.4729 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.4729 - accuracy:
0.8962 [=====>.....] - ETA: 0s - loss: 0.4729 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.4747 - accuracy:
0.8956 [=====>.....] - ETA: 0s - loss: 0.4747 - accuracy:
668/750 [=====>....] - ETA: 0s - loss: 0.4713 - accuracy:
0.8970 [=====>....] - ETA: 0s - loss: 0.4713 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.4706 - accuracy:
0.8973 [=====>.] - ETA: 0s - loss: 0.4706 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.4707 - accuracy:
0.8972 - val_loss: 0.5330 - val_accuracy: 0.8748
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.7229 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.7229 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.4769 - accuracy:
0.8955 [=>.....] - ETA: 0s - loss: 0.4769 - accuracy:
139/750 [====>.....] - ETA: 0s - loss: 0.4684 - accuracy:
0.8996 [====>.....] - ETA: 0s - loss: 0.4684 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.4701 - accuracy:
0.8982 [=====>.....] - ETA: 0s - loss: 0.4701 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.4652 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.4652 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.4624 - accuracy:
0.9010 [=====>.....] - ETA: 0s - loss: 0.4624 - accuracy:
415/750 [=====>.....] - ETA: 0s - loss: 0.4644 - accuracy:
0.9003 [=====>.....] - ETA: 0s - loss: 0.4644 - accuracy:
486/750 [=====>.....] - ETA: 0s - loss: 0.4644 - accuracy:
0.8999 [=====>.....] - ETA: 0s - loss: 0.4644 - accuracy:
554/750 [=====>.....] - ETA: 0s - loss: 0.4644 - accuracy:
0.8995 [=====>.....] - ETA: 0s - loss: 0.4644 - accuracy:
624/750 [=====>.....] - ETA: 0s - loss: 0.4641 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.4641 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.4664 - accuracy:
0.8994 [=====>...] - ETA: 0s - loss: 0.4664 - accuracy:
750/750 [=====] - 1s 881us/step - loss: 0.4658 - accuracy:
0.8996 - val_loss: 0.5191 - val_accuracy: 0.8811
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.4450 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4450 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.4411 - accuracy:
0.9076 [=>.....] - ETA: 0s - loss: 0.4411 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.4541 - accuracy:
0.9019 [====>.....] - ETA: 0s - loss: 0.4541 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.4585 - accuracy:
0.9006 [=====>.....] - ETA: 0s - loss: 0.4585 - accuracy:
287/750 [=====>.....] - ETA: 0s - loss: 0.4601 - accuracy:
0.9004 [=====>.....] - ETA: 0s - loss: 0.4601 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.4633 - accuracy:

0.8994 [=====>.....] - ETA: 0s - loss: 0.4612 - accuracy: 0.9010
507/750 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy: 0.9008
581/750 [=====>.....] - ETA: 0s - loss: 0.4663 - accuracy: 0.8987
655/750 [=====>....] - ETA: 0s - loss: 0.4656 - accuracy: 0.8990
729/750 [=====>.] - ETA: 0s - loss: 0.4643 - accuracy: 0.8988
750/750 [=====] - 1s 845us/step - loss: 0.4643 - accuracy: 0.8991 - val_loss: 0.5196 - val_accuracy: 0.8787
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.5071 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.4576 - accuracy: 0.8979
144/750 [====>.....] - ETA: 0s - loss: 0.4667 - accuracy: 0.8981
219/750 [=====>.....] - ETA: 0s - loss: 0.4630 - accuracy: 0.8990
292/750 [=====>.....] - ETA: 0s - loss: 0.4619 - accuracy: 0.8992
364/750 [=====>.....] - ETA: 0s - loss: 0.4624 - accuracy: 0.8990
438/750 [=====>.....] - ETA: 0s - loss: 0.4627 - accuracy: 0.8995
510/750 [=====>.....] - ETA: 0s - loss: 0.4616 - accuracy: 0.9001
584/750 [=====>.....] - ETA: 0s - loss: 0.4623 - accuracy: 0.8998
654/750 [=====>....] - ETA: 0s - loss: 0.4606 - accuracy: 0.9001
728/750 [=====>.] - ETA: 0s - loss: 0.4610 - accuracy: 0.9000
750/750 [=====] - 1s 845us/step - loss: 0.4609 - accuracy: 0.9002 - val_loss: 0.5214 - val_accuracy: 0.8809
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.4121 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.4533 - accuracy: 0.9046
146/750 [====>.....] - ETA: 0s - loss: 0.4554 - accuracy: 0.9012
221/750 [=====>.....] - ETA: 0s - loss: 0.4587 - accuracy: 0.9003
295/750 [=====>.....] - ETA: 0s - loss: 0.4566 - accuracy:

0.9012 [=====>.....] - ETA: 0s - loss: 0.4586 - accuracy: 0.8998
369/750 [=====>.....] - ETA: 0s - loss: 0.4586 - accuracy: 0.9004
443/750 [=====>.....] - ETA: 0s - loss: 0.4591 - accuracy: 0.8998
518/750 [=====>.....] - ETA: 0s - loss: 0.4599 - accuracy: 0.8990
591/750 [=====>.....] - ETA: 0s - loss: 0.4582 - accuracy: 0.9000
665/750 [=====>....] - ETA: 0s - loss: 0.4590 - accuracy: 0.8998
737/750 [=====>.] - ETA: 0s - loss: 0.4582 - accuracy: 0.9000
750/750 [=====] - 1s 836us/step - loss: 0.4579 - accuracy: 0.9001 - val_loss: 0.5192 - val_accuracy: 0.8825
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.4754 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.9075
146/750 [====>.....] - ETA: 0s - loss: 0.4416 - accuracy: 0.9072
220/750 [=====>.....] - ETA: 0s - loss: 0.4479 - accuracy: 0.9040
291/750 [=====>.....] - ETA: 0s - loss: 0.4522 - accuracy: 0.9024
364/750 [=====>.....] - ETA: 0s - loss: 0.4501 - accuracy: 0.9026
438/750 [=====>.....] - ETA: 0s - loss: 0.4486 - accuracy: 0.9031
510/750 [=====>.....] - ETA: 0s - loss: 0.4512 - accuracy: 0.9021
583/750 [=====>.....] - ETA: 0s - loss: 0.4540 - accuracy: 0.9013
656/750 [=====>....] - ETA: 0s - loss: 0.4549 - accuracy: 0.9010
728/750 [=====>.] - ETA: 0s - loss: 0.4544 - accuracy: 0.9016
750/750 [=====] - 1s 841us/step - loss: 0.4545 - accuracy: 0.9015 - val_loss: 0.5467 - val_accuracy: 0.8692
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.4399 - accuracy: 0.9071
147/750 [====>.....] - ETA: 0s - loss: 0.4501 - accuracy: 0.9043
220/750 [=====>.....] - ETA: 0s - loss: 0.4509 - accuracy:

0.9033 [=====>.....] - ETA: 0s - loss: 0.4530 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.4516 - accuracy:
0.9032 [=====>.....] - ETA: 0s - loss: 0.4510 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.4509 - accuracy:
0.9037 [=====>.....] - ETA: 0s - loss: 0.4524 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.4520 - accuracy:
0.9033 [=====>.....] - ETA: 0s - loss: 0.4523 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
0.9035 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
0.9021 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
660/750 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
0.9021 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
734/750 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
0.9019 [=====>.....] - ETA: 0s - loss: 0.4513 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.4513 - accuracy:
0.9021 - val_loss: 0.5228 - val_accuracy: 0.8797
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.6597 - accuracy:
0.8125 [=>.....] - ETA: 0s - loss: 0.4485 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.4436 - accuracy:
0.9030 [====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.4443 - accuracy:
0.9045 [====>.....] - ETA: 0s - loss: 0.4445 - accuracy:
220/750 [====>.....] - ETA: 0s - loss: 0.4456 - accuracy:
0.9028 [====>.....] - ETA: 0s - loss: 0.4460 - accuracy:
293/750 [====>.....] - ETA: 0s - loss: 0.4482 - accuracy:
0.9040 [====>.....] - ETA: 0s - loss: 0.4495 - accuracy:
369/750 [====>.....] - ETA: 0s - loss: 0.4471 - accuracy:
0.9039 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
443/750 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.9036 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
516/750 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.9035 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
590/750 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.9021 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
663/750 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.9014 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
737/750 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
0.9022 [====>.....] - ETA: 0s - loss: 0.4474 - accuracy:
750/750 [====>.....] - 1s 837us/step - loss: 0.4474 - accuracy:
0.9021 - val_loss: 0.5254 - val_accuracy: 0.8803
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.4004 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.4612 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.4429 - accuracy:
139/750 [====>.....] - ETA: 0s - loss: 0.4429 - accuracy:

0.9042 [=====>.....] - ETA: 0s - loss: 0.4476 - accuracy:
212/750 [=====>.....] - ETA: 0s - loss: 0.4476 - accuracy:
0.9020 [=====>.....] - ETA: 0s - loss: 0.4508 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.4508 - accuracy:
0.9013 [=====>.....] - ETA: 0s - loss: 0.4505 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.4505 - accuracy:
0.9016 [=====>.....] - ETA: 0s - loss: 0.4499 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.4499 - accuracy:
0.9017 [=====>.....] - ETA: 0s - loss: 0.4475 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.4475 - accuracy:
0.9025 [=====>.....] - ETA: 0s - loss: 0.4466 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.4466 - accuracy:
0.9034 [=====>.....] - ETA: 0s - loss: 0.4463 - accuracy:
646/750 [=====>.....] - ETA: 0s - loss: 0.4463 - accuracy:
0.9027 [=====>.....] - ETA: 0s - loss: 0.4460 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.4460 - accuracy:
0.9026 [=====] - 1s 850us/step - loss: 0.4462 - accuracy:
0.9026 - val_loss: 0.5207 - val_accuracy: 0.8772
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.3946 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.4494 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.4392 - accuracy:
0.9002 [====>.....] - ETA: 0s - loss: 0.4392 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.4374 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.4374 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.4380 - accuracy:
0.9060 [=====>.....] - ETA: 0s - loss: 0.4397 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.4397 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.4392 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.4392 - accuracy:
0.9046 [=====>.....] - ETA: 0s - loss: 0.4427 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.4427 - accuracy:
0.9049 [=====>.....] - ETA: 0s - loss: 0.4448 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.4448 - accuracy:
0.9038 [=====>.....] - ETA: 0s - loss: 0.4450 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.4450 - accuracy:
0.9028 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy:
656/750 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy:
0.9026 [=====>..] - ETA: 0s - loss: 0.4437 - accuracy:
730/750 [=====>..] - ETA: 0s - loss: 0.4437 - accuracy:
0.9031 [=====>..] - 1s 842us/step - loss: 0.4437 - accuracy:
750/750 [=====>..] - 1s 842us/step - loss: 0.4437 - accuracy:
0.9031 - val_loss: 0.5090 - val_accuracy: 0.8802
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.4512 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.4313 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.4313 - accuracy:

0.9112 [.....] - ETA: 0s - loss: 0.4377 - accuracy: 0.9074
142/750 [====>.....] - ETA: 0s - loss: 0.4377 - accuracy: 0.9074
218/750 [=====>.....] - ETA: 0s - loss: 0.4372 - accuracy: 0.9068
290/750 [=====>.....] - ETA: 0s - loss: 0.4381 - accuracy: 0.9059
364/750 [=====>.....] - ETA: 0s - loss: 0.4400 - accuracy: 0.9048
437/750 [=====>.....] - ETA: 0s - loss: 0.4386 - accuracy: 0.9048
510/750 [=====>.....] - ETA: 0s - loss: 0.4361 - accuracy: 0.9048
584/750 [=====>.....] - ETA: 0s - loss: 0.4382 - accuracy: 0.9051
655/750 [=====>....] - ETA: 0s - loss: 0.4401 - accuracy: 0.9048
730/750 [=====>.] - ETA: 0s - loss: 0.4396 - accuracy: 0.9053
750/750 [=====] - 1s 841us/step - loss: 0.4400 - accuracy: 0.9053 - val_loss: 0.5087 - val_accuracy: 0.8792
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.3060 - accuracy: 0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.4175 - accuracy: 0.9090
145/750 [====>.....] - ETA: 0s - loss: 0.4206 - accuracy: 0.9078
217/750 [=====>.....] - ETA: 0s - loss: 0.4225 - accuracy: 0.9081
294/750 [=====>.....] - ETA: 0s - loss: 0.4298 - accuracy: 0.9062
367/750 [=====>.....] - ETA: 0s - loss: 0.4327 - accuracy: 0.9061
441/750 [=====>.....] - ETA: 0s - loss: 0.4365 - accuracy: 0.9047
516/750 [=====>.....] - ETA: 0s - loss: 0.4379 - accuracy: 0.9039
591/750 [=====>.....] - ETA: 0s - loss: 0.4383 - accuracy: 0.9034
664/750 [=====>....] - ETA: 0s - loss: 0.4371 - accuracy: 0.9042
738/750 [=====>.] - ETA: 0s - loss: 0.4383 - accuracy: 0.9039
750/750 [=====] - 1s 834us/step - loss: 0.4377 - accuracy: 0.9041 - val_loss: 0.5289 - val_accuracy: 0.8727
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.4804 - accuracy:

0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.4381 - accuracy:
0.9028
146/750 [====>.....] - ETA: 0s - loss: 0.4300 - accuracy:
0.9042
221/750 [=====>.....] - ETA: 0s - loss: 0.4344 - accuracy:
0.9024
296/750 [=====>.....] - ETA: 0s - loss: 0.4353 - accuracy:
0.9030
371/750 [=====>.....] - ETA: 0s - loss: 0.4330 - accuracy:
0.9039
445/750 [=====>.....] - ETA: 0s - loss: 0.4336 - accuracy:
0.9038
518/750 [=====>.....] - ETA: 0s - loss: 0.4354 - accuracy:
0.9034
596/750 [=====>.....] - ETA: 0s - loss: 0.4350 - accuracy:
0.9044
669/750 [=====>....] - ETA: 0s - loss: 0.4356 - accuracy:
0.9044
744/750 [=====>.] - ETA: 0s - loss: 0.4357 - accuracy:
0.9044
750/750 [=====] - 1s 825us/step - loss: 0.4364 - accuracy:
0.9042 - val_loss: 0.5524 - val_accuracy: 0.8593
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.3907 - accuracy:
0.9062
76/750 [=>.....] - ETA: 0s - loss: 0.4295 - accuracy:
0.9077
147/750 [====>.....] - ETA: 0s - loss: 0.4255 - accuracy:
0.9080
223/750 [=====>.....] - ETA: 0s - loss: 0.4291 - accuracy:
0.9065
300/750 [=====>.....] - ETA: 0s - loss: 0.4278 - accuracy:
0.9060
372/750 [=====>.....] - ETA: 0s - loss: 0.4288 - accuracy:
0.9059
448/750 [=====>.....] - ETA: 0s - loss: 0.4276 - accuracy:
0.9064
523/750 [=====>.....] - ETA: 0s - loss: 0.4291 - accuracy:
0.9064
598/750 [=====>.....] - ETA: 0s - loss: 0.4312 - accuracy:
0.9058
673/750 [=====>....] - ETA: 0s - loss: 0.4320 - accuracy:
0.9057
749/750 [=====>.] - ETA: 0s - loss: 0.4341 - accuracy:
0.9052
750/750 [=====] - 1s 825us/step - loss: 0.4342 - accuracy:
0.9051 - val_loss: 0.5009 - val_accuracy: 0.8828
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.3001 - accuracy: 0.9688
71/750 [=>.....] - ETA: 0s - loss: 0.4368 - accuracy: 0.9071
144/750 [====>.....] - ETA: 0s - loss: 0.4371 - accuracy: 0.9052
216/750 [=====>.....] - ETA: 0s - loss: 0.4304 - accuracy: 0.9066
286/750 [======>.....] - ETA: 0s - loss: 0.4336 - accuracy: 0.9062
359/750 [======>.....] - ETA: 0s - loss: 0.4324 - accuracy: 0.9060
430/750 [======>.....] - ETA: 0s - loss: 0.4313 - accuracy: 0.9063
501/750 [======>.....] - ETA: 0s - loss: 0.4328 - accuracy: 0.9057
574/750 [======>.....] - ETA: 0s - loss: 0.4316 - accuracy: 0.9062
644/750 [======>.....] - ETA: 0s - loss: 0.4316 - accuracy: 0.9062
715/750 [======>..] - ETA: 0s - loss: 0.4304 - accuracy: 0.9068
750/750 [=====] - 1s 864us/step - loss: 0.4303 - accuracy: 0.9068 - val_loss: 0.5312 - val_accuracy: 0.8710
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.4274 - accuracy: 0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.4174 - accuracy: 0.9159
144/750 [====>.....] - ETA: 0s - loss: 0.4176 - accuracy: 0.9137
219/750 [=====>.....] - ETA: 0s - loss: 0.4222 - accuracy: 0.9115
291/750 [======>.....] - ETA: 0s - loss: 0.4214 - accuracy: 0.9102
368/750 [======>.....] - ETA: 0s - loss: 0.4211 - accuracy: 0.9097
444/750 [======>.....] - ETA: 0s - loss: 0.4241 - accuracy: 0.9086
519/750 [======>.....] - ETA: 0s - loss: 0.4264 - accuracy: 0.9068
593/750 [======>.....] - ETA: 0s - loss: 0.4273 - accuracy: 0.9071
666/750 [======>....] - ETA: 0s - loss: 0.4264 - accuracy: 0.9075
740/750 [======>.] - ETA: 0s - loss: 0.4272 - accuracy: 0.9075
750/750 [=====] - 1s 826us/step - loss: 0.4279 - accuracy:

0.9073 - val_loss: 0.5055 - val_accuracy: 0.8829
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.4765 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.4206 - accuracy: 0.9067
150/750 [=====>.....] - ETA: 0s - loss: 0.4245 - accuracy: 0.9048
223/750 [=====>.....] - ETA: 0s - loss: 0.4250 - accuracy: 0.9062
299/750 [======>.....] - ETA: 0s - loss: 0.4273 - accuracy: 0.9054
362/750 [======>.....] - ETA: 0s - loss: 0.4235 - accuracy: 0.9074
438/750 [======>.....] - ETA: 0s - loss: 0.4219 - accuracy: 0.9079
513/750 [======>.....] - ETA: 0s - loss: 0.4233 - accuracy: 0.9081
587/750 [======>.....] - ETA: 0s - loss: 0.4236 - accuracy: 0.9076
662/750 [======>....] - ETA: 0s - loss: 0.4257 - accuracy: 0.9071
735/750 [======>.] - ETA: 0s - loss: 0.4267 - accuracy: 0.9064
750/750 [=====] - 1s 832us/step - loss: 0.4267 - accuracy: 0.9064 - val_loss: 0.5027 - val_accuracy: 0.8814
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.3745 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.4245 - accuracy: 0.9073
150/750 [=====>.....] - ETA: 0s - loss: 0.4263 - accuracy: 0.9075
226/750 [=====>.....] - ETA: 0s - loss: 0.4239 - accuracy: 0.9083
299/750 [======>.....] - ETA: 0s - loss: 0.4253 - accuracy: 0.9065
373/750 [======>.....] - ETA: 0s - loss: 0.4235 - accuracy: 0.9060
450/750 [======>.....] - ETA: 0s - loss: 0.4226 - accuracy: 0.9077
524/750 [======>.....] - ETA: 0s - loss: 0.4208 - accuracy: 0.9080
598/750 [======>.....] - ETA: 0s - loss: 0.4206 - accuracy: 0.9081
669/750 [======>....] - ETA: 0s - loss: 0.4215 - accuracy: 0.9080
743/750 [======>.] - ETA: 0s - loss: 0.4228 - accuracy:

0.9076
750/750 [=====] - 1s 824us/step - loss: 0.4235 - accuracy:
0.9074 - val_loss: 0.5336 - val_accuracy: 0.8726
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.4301 - accuracy:
0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.4142 - accuracy:
0.9147
148/750 [====>.....] - ETA: 0s - loss: 0.4153 - accuracy:
0.9103
221/750 [=====>.....] - ETA: 0s - loss: 0.4179 - accuracy:
0.9088
294/750 [======>.....] - ETA: 0s - loss: 0.4227 - accuracy:
0.9055
368/750 [======>.....] - ETA: 0s - loss: 0.4200 - accuracy:
0.9068
443/750 [======>.....] - ETA: 0s - loss: 0.4199 - accuracy:
0.9071
518/750 [======>.....] - ETA: 0s - loss: 0.4193 - accuracy:
0.9074
593/750 [======>.....] - ETA: 0s - loss: 0.4199 - accuracy:
0.9069
668/750 [======>....] - ETA: 0s - loss: 0.4208 - accuracy:
0.9070
744/750 [======>.] - ETA: 0s - loss: 0.4214 - accuracy:
0.9066
750/750 [=====] - 1s 825us/step - loss: 0.4210 - accuracy:
0.9066 - val_loss: 0.5307 - val_accuracy: 0.8718
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.5280 - accuracy:
0.8438
77/750 [=>.....] - ETA: 0s - loss: 0.4133 - accuracy:
0.9095
150/750 [====>.....] - ETA: 0s - loss: 0.4224 - accuracy:
0.9082
224/750 [=====>.....] - ETA: 0s - loss: 0.4217 - accuracy:
0.9072
297/750 [======>.....] - ETA: 0s - loss: 0.4261 - accuracy:
0.9064
370/750 [======>.....] - ETA: 0s - loss: 0.4246 - accuracy:
0.9071
441/750 [======>.....] - ETA: 0s - loss: 0.4243 - accuracy:
0.9081
512/750 [======>.....] - ETA: 0s - loss: 0.4226 - accuracy:
0.9087
581/750 [======>.....] - ETA: 0s - loss: 0.4200 - accuracy:
0.9097
656/750 [======>....] - ETA: 0s - loss: 0.4198 - accuracy:

0.9092 [=====] - ETA: 0s - loss: 0.4202 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.4202 - accuracy:
0.9092 [=====] - ETA: 0s - loss: 0.4202 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.4206 - accuracy:
0.9094 - val_loss: 0.5162 - val_accuracy: 0.8758
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.4186 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.4186 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.4133 - accuracy:
0.9094 [.....] - ETA: 0s - loss: 0.4133 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.4200 - accuracy:
0.9083 [.....] - ETA: 0s - loss: 0.4200 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.4158 - accuracy:
0.9104 [.....] - ETA: 0s - loss: 0.4158 - accuracy:
301/750 [======>.....] - ETA: 0s - loss: 0.4128 - accuracy:
0.9112 [.....] - ETA: 0s - loss: 0.4128 - accuracy:
375/750 [======>.....] - ETA: 0s - loss: 0.4138 - accuracy:
0.9107 [.....] - ETA: 0s - loss: 0.4138 - accuracy:
450/750 [======>.....] - ETA: 0s - loss: 0.4153 - accuracy:
0.9099 [.....] - ETA: 0s - loss: 0.4153 - accuracy:
524/750 [======>.....] - ETA: 0s - loss: 0.4169 - accuracy:
0.9093 [.....] - ETA: 0s - loss: 0.4169 - accuracy:
594/750 [======>.....] - ETA: 0s - loss: 0.4178 - accuracy:
0.9088 [.....] - ETA: 0s - loss: 0.4178 - accuracy:
663/750 [======>....] - ETA: 0s - loss: 0.4177 - accuracy:
0.9088 [.....] - ETA: 0s - loss: 0.4177 - accuracy:
733/750 [======>.] - ETA: 0s - loss: 0.4171 - accuracy:
0.9090 [.....] - ETA: 0s - loss: 0.4171 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.4179 - accuracy:
0.9085 - val_loss: 0.5078 - val_accuracy: 0.8737
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.4414 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4414 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3964 - accuracy:
0.9130 [.....] - ETA: 0s - loss: 0.3964 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4111 - accuracy:
0.9095 [.....] - ETA: 0s - loss: 0.4111 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.4127 - accuracy:
0.9101 [.....] - ETA: 0s - loss: 0.4127 - accuracy:
295/750 [======>.....] - ETA: 0s - loss: 0.4120 - accuracy:
0.9101 [.....] - ETA: 0s - loss: 0.4120 - accuracy:
368/750 [======>.....] - ETA: 0s - loss: 0.4122 - accuracy:
0.9100 [.....] - ETA: 0s - loss: 0.4122 - accuracy:
442/750 [======>.....] - ETA: 0s - loss: 0.4130 - accuracy:
0.9106 [.....] - ETA: 0s - loss: 0.4130 - accuracy:
515/750 [======>.....] - ETA: 0s - loss: 0.4133 - accuracy:
0.9107 [.....] - ETA: 0s - loss: 0.4133 - accuracy:
590/750 [======>.....] - ETA: 0s - loss: 0.4143 - accuracy:

0.9104 [=====>....] - ETA: 0s - loss: 0.4156 - accuracy:
664/750 [=====>....] - ETA: 0s - loss: 0.4156 - accuracy:
0.9098 [=====>....] - ETA: 0s - loss: 0.4156 - accuracy:
738/750 [=====>....] - ETA: 0s - loss: 0.4144 - accuracy:
0.9100 [=====>....] - ETA: 0s - loss: 0.4144 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.4145 - accuracy:
0.9101 - val_loss: 0.4936 - val_accuracy: 0.8827
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3437 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.4236 - accuracy:
0.9090 [==>.....] - ETA: 0s - loss: 0.4236 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.4184 - accuracy:
0.9103 [===>.....] - ETA: 0s - loss: 0.4184 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.4176 - accuracy:
0.9096 [=====>.....] - ETA: 0s - loss: 0.4176 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.4155 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4155 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.4143 - accuracy:
0.9113 [=====>.....] - ETA: 0s - loss: 0.4143 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.4139 - accuracy:
0.9111 [=====>.....] - ETA: 0s - loss: 0.4139 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.4139 - accuracy:
0.9108 [=====>.....] - ETA: 0s - loss: 0.4139 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.4135 - accuracy:
0.9110 [=====>.....] - ETA: 0s - loss: 0.4135 - accuracy:
656/750 [=====>.....] - ETA: 0s - loss: 0.4128 - accuracy:
0.9106 [=====>.....] - ETA: 0s - loss: 0.4128 - accuracy:
731/750 [=====>.....] - ETA: 0s - loss: 0.4134 - accuracy:
0.9098 [=====>.....] - ETA: 0s - loss: 0.4134 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.4138 - accuracy:
0.9100 - val_loss: 0.4949 - val_accuracy: 0.8846
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.3901 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3901 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.4067 - accuracy:
0.9169 [=>.....] - ETA: 0s - loss: 0.4067 - accuracy:
143/750 [===>.....] - ETA: 0s - loss: 0.4095 - accuracy:
0.9147 [===>.....] - ETA: 0s - loss: 0.4095 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.4044 - accuracy:
0.9140 [=====>.....] - ETA: 0s - loss: 0.4044 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.4044 - accuracy:
0.9134 [=====>.....] - ETA: 0s - loss: 0.4044 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy:
0.9125 [=====>.....] - ETA: 0s - loss: 0.4074 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.4085 - accuracy:
0.9119 [=====>.....] - ETA: 0s - loss: 0.4085 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.4090 - accuracy:

0.9114 [=====>.....] - ETA: 0s - loss: 0.4111 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.4111 - accuracy:
0.9097 [=====>....] - ETA: 0s - loss: 0.4111 - accuracy:
652/750 [=====>..] - ETA: 0s - loss: 0.4123 - accuracy:
0.9093 [=====] - 1s 850us/step - loss: 0.4127 - accuracy:
750/750 [=====] - 1s 850us/step - loss: 0.4127 - accuracy:
0.9096 - val_loss: 0.4881 - val_accuracy: 0.8832
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.4658 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.3978 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3978 - accuracy:
0.9145 [===>.....] - ETA: 0s - loss: 0.4032 - accuracy:
144/750 [===>.....] - ETA: 0s - loss: 0.3989 - accuracy:
0.9129 [=====>.....] - ETA: 0s - loss: 0.3961 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3993 - accuracy:
0.9150 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.4023 - accuracy:
0.9160 [=====>.....] - ETA: 0s - loss: 0.4021 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.4060 - accuracy:
0.9150 [=====>.....] - ETA: 0s - loss: 0.4093 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.4094 - accuracy:
0.9147 [=====>.....] - ETA: 0s - loss: 0.4094 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.4094 - accuracy:
0.9144 [=====>.....] - ETA: 0s - loss: 0.4094 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.4094 - accuracy:
0.9142 [=====>....] - ETA: 0s - loss: 0.4094 - accuracy:
664/750 [=====>..] - ETA: 0s - loss: 0.4094 - accuracy:
0.9130 [=====>.] - ETA: 0s - loss: 0.4094 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.4094 - accuracy:
0.9117 [=====] - 1s 834us/step - loss: 0.4094 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.4094 - accuracy:
0.9118 - val_loss: 0.4916 - val_accuracy: 0.8826
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.3948 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.4040 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4043 - accuracy:
0.9139 [===>.....] - ETA: 0s - loss: 0.4039 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.4051 - accuracy:
0.9129 [=====>.....] - ETA: 0s - loss: 0.4081 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
0.9124 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
0.9121 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
0.9106 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:

0.9101 [=====>.....] - ETA: 0s - loss: 0.4105 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.4105 - accuracy:
0.9099 [=====>.....] - ETA: 0s - loss: 0.4096 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.4096 - accuracy:
0.9102 [=====>.....] - ETA: 0s - loss: 0.4084 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.4084 - accuracy:
0.9106 [=====>.] - ETA: 0s - loss: 0.4078 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.4078 - accuracy:
0.9108 [=====] - ETA: 0s - loss: 0.4082 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.4082 - accuracy:
0.9106 - val_loss: 0.5261 - val_accuracy: 0.8718
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.4780 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.4134 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4134 - accuracy:
0.9075 [====>.....] - ETA: 0s - loss: 0.4038 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4038 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
0.9109 [=====>.....] - ETA: 0s - loss: 0.4045 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.4045 - accuracy:
0.9112 [=====>.....] - ETA: 0s - loss: 0.4048 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.4048 - accuracy:
0.9116 [=====>.....] - ETA: 0s - loss: 0.4073 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.4073 - accuracy:
0.9108 [=====>.....] - ETA: 0s - loss: 0.4066 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.4066 - accuracy:
0.9107 [=====>.....] - ETA: 0s - loss: 0.4071 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.4071 - accuracy:
0.9108 [=====>....] - ETA: 0s - loss: 0.4076 - accuracy:
677/750 [=====>....] - ETA: 0s - loss: 0.4076 - accuracy:
0.9102 [=====>....] - ETA: 0s - loss: 0.4074 - accuracy:
750/750 [=====>....] - 1s 814us/step - loss: 0.4074 - accuracy:
0.9103 - val_loss: 0.4947 - val_accuracy: 0.8808
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.4570 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3899 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3899 - accuracy:
0.9198 [====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
0.9155 [=====>.....] - ETA: 0s - loss: 0.4004 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.4004 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.3994 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3994 - accuracy:
0.9121 [=====>.....] - ETA: 0s - loss: 0.4036 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.4036 - accuracy:
0.9103 [=====>.....] - ETA: 0s - loss: 0.4035 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.4035 - accuracy:

0.9107 [=====>.....] - ETA: 0s - loss: 0.4048 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.4038 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4054 - accuracy:
600/750 [=====>.....] - ETA: 0s - loss: 0.4063 - accuracy:
0.9120 [=====>.....] - ETA: 0s - loss: 0.4063 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.4063 - accuracy:
0.9113 [=====] - ETA: 0s - loss: 0.4063 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.4063 - accuracy:
0.9108 [=====] - 1s 818us/step - loss: 0.4063 - accuracy:
0.9108 - val_loss: 0.5105 - val_accuracy: 0.8779
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3977 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3994 - accuracy:
0.9085 [====>.....] - ETA: 0s - loss: 0.4054 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3987 - accuracy:
0.9121 [=====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
0.9096 [=====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
0.9128 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
0.9122 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
0.9129 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
0.9129 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
0.9127 [=====>.....] - ETA: 0s - loss: 0.4029 - accuracy:
683/750 [=====>....] - ETA: 0s - loss: 0.4029 - accuracy:
0.9130 [=====>....] - 1s 812us/step - loss: 0.4029 - accuracy:
750/750 [=====>....] - 1s 812us/step - loss: 0.4029 - accuracy:
0.9121 - val_loss: 0.4918 - val_accuracy: 0.8814
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.3831 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3937 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3943 - accuracy:
0.9151 [====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3984 - accuracy:
0.9136 [====>.....] - ETA: 0s - loss: 0.4014 - accuracy:
227/750 [====>.....] - ETA: 0s - loss: 0.4014 - accuracy:
0.9124 [====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
304/750 [====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
0.9130 [====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
379/750 [====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
0.9116 [====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
455/750 [====>.....] - ETA: 0s - loss: 0.4013 - accuracy:

0.9114 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4009 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.4009 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4033 - accuracy:
680/750 [=====>...] - ETA: 0s - loss: 0.4033 - accuracy:
0.9111 [=====>...] - ETA: 0s - loss: 0.4010 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.4010 - accuracy:
0.9121 - val_loss: 0.5088 - val_accuracy: 0.8776
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.5379 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.3873 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3873 - accuracy:
0.9169 [==>.....] - ETA: 0s - loss: 0.3920 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3920 - accuracy:
0.9148 [====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
0.9120 [=====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
0.9126 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.4008 - accuracy:
0.9110 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
0.9107 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
0.9108 [=====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.4010 - accuracy:
0.9112 [=====>.....] - ETA: 0s - loss: 0.4001 - accuracy:
680/750 [=====>...] - ETA: 0s - loss: 0.4001 - accuracy:
0.9117 [=====>...] - ETA: 0s - loss: 0.4002 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.4002 - accuracy:
0.9120 - val_loss: 0.5295 - val_accuracy: 0.8702
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.4105 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3950 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3950 - accuracy:
0.9131 [=>.....] - ETA: 0s - loss: 0.3963 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3963 - accuracy:
0.9155 [====>.....] - ETA: 0s - loss: 0.3919 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3919 - accuracy:
0.9170 [=====>.....] - ETA: 0s - loss: 0.3965 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3965 - accuracy:
0.9146 [=====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
0.9145 [=====>.....] - ETA: 0s - loss: 0.3983 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3983 - accuracy:
0.9130 [=====>.....] - ETA: 0s - loss: 0.3990 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3990 - accuracy:

0.9127 [=====>.....] - ETA: 0s - loss: 0.3981 - accuracy:
0.9132 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
676/750 [=====>...] - ETA: 0s - loss: 0.3982 - accuracy:
0.9126 [=====] - 1s 812us/step - loss: 0.3982 - accuracy:
0.9129 - val_loss: 0.5002 - val_accuracy: 0.8810
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.4540 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.3843 - accuracy:
0.9146 [====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
0.9155 [=====>.....] - ETA: 0s - loss: 0.3902 - accuracy:
0.9156 [=====>.....] - ETA: 0s - loss: 0.3942 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3966 - accuracy:
0.9140 [=====>.....] - ETA: 0s - loss: 0.3964 - accuracy:
0.9128 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
0.9127 [=====>.....] - ETA: 0s - loss: 0.3982 - accuracy:
0.9124 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
750/750 [=====>.....] - 1s 816us/step - loss: 0.3972 - accuracy:
0.9124 - val_loss: 0.4869 - val_accuracy: 0.8846
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.2730 - accuracy:
0.9688 [==>.....] - ETA: 0s - loss: 0.3744 - accuracy:
0.9211 [====>.....] - ETA: 0s - loss: 0.3845 - accuracy:
0.9194 [=====>.....] - ETA: 0s - loss: 0.3861 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3909 - accuracy:
0.9175 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
0.9163 [=====>.....] - ETA: 0s - loss: 0.3897 - accuracy:
0.9165 [=====>.....] - ETA: 0s - loss: 0.3915 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:

0.9154 [=====>...] - ETA: 0s - loss: 0.3937 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.3949 - accuracy:
0.9146 [=====>...] - ETA: 0s - loss: 0.3948 - accuracy:
748/750 [=====>...] - ETA: 0s - loss: 0.3948 - accuracy:
0.9139 [=====] - 1s 830us/step - loss: 0.3948 - accuracy:
750/750 [=====] - 1s 830us/step - loss: 0.3948 - accuracy:
0.9139 - val_loss: 0.5113 - val_accuracy: 0.8739
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.3887 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3780 - accuracy:
66/750 [=>.....] - ETA: 0s - loss: 0.3780 - accuracy:
0.9183 [=>.....] - ETA: 0s - loss: 0.3860 - accuracy:
142/750 [=====>.....] - ETA: 0s - loss: 0.3860 - accuracy:
0.9146 [=====>.....] - ETA: 0s - loss: 0.3860 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3860 - accuracy:
0.9163 [=====>.....] - ETA: 0s - loss: 0.3911 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3911 - accuracy:
0.9152 [=====>.....] - ETA: 0s - loss: 0.3903 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3903 - accuracy:
0.9163 [=====>.....] - ETA: 0s - loss: 0.3912 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3912 - accuracy:
0.9162 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
0.9148 [=====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.3947 - accuracy:
0.9147 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
660/750 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
0.9138 [=====>.....] - ETA: 0s - loss: 0.3956 - accuracy:
737/750 [=====>.....] - ETA: 0s - loss: 0.3956 - accuracy:
0.9145 [=====>.....] - ETA: 0s - loss: 0.3956 - accuracy:
750/750 [=====>.....] - 1s 828us/step - loss: 0.3956 - accuracy:
0.9146 - val_loss: 0.5051 - val_accuracy: 0.8787
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.4476 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.4059 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.4059 - accuracy:
0.9085 [=>.....] - ETA: 0s - loss: 0.3930 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.3930 - accuracy:
0.9133 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:
0.9137 [=====>.....] - ETA: 0s - loss: 0.3926 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3926 - accuracy:
0.9138 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy:
0.9128 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
0.9135 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:

0.9138 [=====>.....] - ETA: 0s - loss: 0.3918 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3918 - accuracy:
0.9144 [=====>.....] - ETA: 0s - loss: 0.3918 - accuracy:
678/750 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy:
0.9139 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.3926 - accuracy:
0.9139 - val_loss: 0.4911 - val_accuracy: 0.8824
Epoch 77/220

1/750 [=====] - ETA: 0s - loss: 0.3353 - accuracy:
0.9375 [=====] - ETA: 0s - loss: 0.3353 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3913 - accuracy:
0.9140 [==>.....] - ETA: 0s - loss: 0.3913 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3938 - accuracy:
0.9142 [====>.....] - ETA: 0s - loss: 0.3938 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy:
0.9169 [=====>.....] - ETA: 0s - loss: 0.3934 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9167 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
0.9166 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3913 - accuracy:
0.9165 [=====>.....] - ETA: 0s - loss: 0.3913 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy:
0.9168 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
0.9162 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
679/750 [=====>.....] - ETA: 0s - loss: 0.3914 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.3914 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.3920 - accuracy:
0.9155 - val_loss: 0.4839 - val_accuracy: 0.8856
Epoch 78/220

1/750 [=====] - ETA: 0s - loss: 0.3643 - accuracy:
0.9375 [=====] - ETA: 0s - loss: 0.3643 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3821 - accuracy:
0.9154 [==>.....] - ETA: 0s - loss: 0.3821 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3872 - accuracy:
0.9143 [====>.....] - ETA: 0s - loss: 0.3872 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
0.9124 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy:
0.9120 [=====>.....] - ETA: 0s - loss: 0.3901 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy:
0.9132 [=====>.....] - ETA: 0s - loss: 0.3884 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3900 - accuracy:
0.9127 [=====>.....] - ETA: 0s - loss: 0.3900 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.3888 - accuracy:
0.9131 [=====>.....] - ETA: 0s - loss: 0.3888 - accuracy:
599/750 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:

0.9128 [=====>....] - ETA: 0s - loss: 0.3890 - accuracy:
661/750 [=====>....] - ETA: 0s - loss: 0.3890 - accuracy:
0.9133 [=====>....] - ETA: 0s - loss: 0.3896 - accuracy:
734/750 [=====>....] - ETA: 0s - loss: 0.3896 - accuracy:
0.9133 [=====>....] - ETA: 0s - loss: 0.3896 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3896 - accuracy:
0.9134 - val_loss: 0.5682 - val_accuracy: 0.8574
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.4454 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3844 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3844 - accuracy:
0.9192 [==>.....] - ETA: 0s - loss: 0.3798 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3798 - accuracy:
0.9207 [====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy:
0.9205 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy:
0.9181 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9177 [=====>.....] - ETA: 0s - loss: 0.3861 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.3861 - accuracy:
0.9165 [=====>.....] - ETA: 0s - loss: 0.3890 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3890 - accuracy:
0.9157 [=====>.....] - ETA: 0s - loss: 0.3913 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3913 - accuracy:
0.9155 [=====>.....] - ETA: 0s - loss: 0.3906 - accuracy:
680/750 [=====>....] - ETA: 0s - loss: 0.3906 - accuracy:
0.9159 [=====>....] - ETA: 0s - loss: 0.3890 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.3890 - accuracy:
0.9164 - val_loss: 0.5269 - val_accuracy: 0.8708
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.3668 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3922 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3922 - accuracy:
0.9106 [==>.....] - ETA: 0s - loss: 0.3864 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3864 - accuracy:
0.9151 [====>.....] - ETA: 0s - loss: 0.3876 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3876 - accuracy:
0.9149 [=====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
0.9164 [=====>.....] - ETA: 0s - loss: 0.3860 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3860 - accuracy:
0.9171 [=====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
0.9171 [=====>.....] - ETA: 0s - loss: 0.3871 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3871 - accuracy:
0.9159 [=====>.....] - ETA: 0s - loss: 0.3872 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.3872 - accuracy:

0.9158
676/750 [=====>...] - ETA: 0s - loss: 0.3861 - accuracy:
0.9161
750/750 [=====] - 1s 814us/step - loss: 0.3874 - accuracy:
0.9157 - val_loss: 0.4830 - val_accuracy: 0.8832
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.2594 - accuracy:
0.9688
75/750 [==>.....] - ETA: 0s - loss: 0.3807 - accuracy:
0.9173
146/750 [====>.....] - ETA: 0s - loss: 0.3882 - accuracy:
0.9162
217/750 [=====>.....] - ETA: 0s - loss: 0.3809 - accuracy:
0.9191
289/750 [=====>.....] - ETA: 0s - loss: 0.3822 - accuracy:
0.9171
359/750 [=====>.....] - ETA: 0s - loss: 0.3801 - accuracy:
0.9173
430/750 [=====>.....] - ETA: 0s - loss: 0.3825 - accuracy:
0.9159
504/750 [=====>.....] - ETA: 0s - loss: 0.3844 - accuracy:
0.9157
577/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
0.9156
652/750 [=====>...] - ETA: 0s - loss: 0.3865 - accuracy:
0.9149
725/750 [=====>.] - ETA: 0s - loss: 0.3857 - accuracy:
0.9157
750/750 [=====] - 1s 837us/step - loss: 0.3857 - accuracy:
0.9158 - val_loss: 0.5131 - val_accuracy: 0.8757
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.3729 - accuracy:
0.9180
152/750 [====>.....] - ETA: 0s - loss: 0.3724 - accuracy:
0.9227
227/750 [=====>.....] - ETA: 0s - loss: 0.3772 - accuracy:
0.9202
304/750 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy:
0.9192
380/750 [=====>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9178
457/750 [=====>.....] - ETA: 0s - loss: 0.3836 - accuracy:
0.9164
531/750 [=====>.....] - ETA: 0s - loss: 0.3826 - accuracy:
0.9166
606/750 [=====>.....] - ETA: 0s - loss: 0.3861 - accuracy:

0.9153
683/750 [=====>...] - ETA: 0s - loss: 0.3874 - accuracy:
0.9150
750/750 [=====] - 1s 813us/step - loss: 0.3865 - accuracy:
0.9152 - val_loss: 0.5067 - val_accuracy: 0.8779
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.6245 - accuracy:
0.8281
76/750 [==>.....] - ETA: 0s - loss: 0.3758 - accuracy:
0.9194
151/750 [====>.....] - ETA: 0s - loss: 0.3729 - accuracy:
0.9195
228/750 [=====>.....] - ETA: 0s - loss: 0.3770 - accuracy:
0.9183
305/750 [=====>.....] - ETA: 0s - loss: 0.3734 - accuracy:
0.9193
381/750 [=====>.....] - ETA: 0s - loss: 0.3760 - accuracy:
0.9195
454/750 [=====>.....] - ETA: 0s - loss: 0.3790 - accuracy:
0.9186
529/750 [=====>.....] - ETA: 0s - loss: 0.3805 - accuracy:
0.9179
604/750 [=====>.....] - ETA: 0s - loss: 0.3824 - accuracy:
0.9170
677/750 [=====>...] - ETA: 0s - loss: 0.3828 - accuracy:
0.9169
750/750 [=====] - 1s 816us/step - loss: 0.3833 - accuracy:
0.9165 - val_loss: 0.5046 - val_accuracy: 0.8770
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.3902 - accuracy:
0.9219
76/750 [==>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9171
151/750 [====>.....] - ETA: 0s - loss: 0.3794 - accuracy:
0.9181
226/750 [=====>.....] - ETA: 0s - loss: 0.3813 - accuracy:
0.9179
301/750 [=====>.....] - ETA: 0s - loss: 0.3794 - accuracy:
0.9183
376/750 [=====>.....] - ETA: 0s - loss: 0.3791 - accuracy:
0.9189
451/750 [=====>.....] - ETA: 0s - loss: 0.3821 - accuracy:
0.9184
528/750 [=====>.....] - ETA: 0s - loss: 0.3833 - accuracy:
0.9177
602/750 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9167
678/750 [=====>...] - ETA: 0s - loss: 0.3833 - accuracy:

0.9165
750/750 [=====] - 1s 810us/step - loss: 0.3852 - accuracy:
0.9161 - val_loss: 0.5266 - val_accuracy: 0.8748
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.2789 - accuracy:
0.9688
76/750 [==>.....] - ETA: 0s - loss: 0.3654 - accuracy:
0.9211
150/750 [====>.....] - ETA: 0s - loss: 0.3680 - accuracy:
0.9214
227/750 [=====>.....] - ETA: 0s - loss: 0.3694 - accuracy:
0.9219
300/750 [======>.....] - ETA: 0s - loss: 0.3762 - accuracy:
0.9193
374/750 [======>.....] - ETA: 0s - loss: 0.3772 - accuracy:
0.9190
452/750 [======>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9176
526/750 [======>.....] - ETA: 0s - loss: 0.3815 - accuracy:
0.9172
603/750 [======>.....] - ETA: 0s - loss: 0.3806 - accuracy:
0.9177
678/750 [======>...] - ETA: 0s - loss: 0.3798 - accuracy:
0.9181
750/750 [=====] - 1s 817us/step - loss: 0.3805 - accuracy:
0.9183 - val_loss: 0.4975 - val_accuracy: 0.8824
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.4628 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.3921 - accuracy:
0.9177
148/750 [====>.....] - ETA: 0s - loss: 0.3812 - accuracy:
0.9191
219/750 [=====>.....] - ETA: 0s - loss: 0.3882 - accuracy:
0.9170
294/750 [======>.....] - ETA: 0s - loss: 0.3861 - accuracy:
0.9172
370/750 [======>.....] - ETA: 0s - loss: 0.3836 - accuracy:
0.9185
446/750 [======>.....] - ETA: 0s - loss: 0.3820 - accuracy:
0.9188
520/750 [======>.....] - ETA: 0s - loss: 0.3829 - accuracy:
0.9182
594/750 [======>.....] - ETA: 0s - loss: 0.3812 - accuracy:
0.9190
669/750 [======>...] - ETA: 0s - loss: 0.3814 - accuracy:
0.9190
743/750 [======>.] - ETA: 0s - loss: 0.3815 - accuracy:

0.9192
750/750 [=====] - 1s 826us/step - loss: 0.3813 - accuracy:
0.9193 - val_loss: 0.5020 - val_accuracy: 0.8741
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.3081 - accuracy:
0.9531
76/750 [==>.....] - ETA: 0s - loss: 0.3686 - accuracy:
0.9223
149/750 [====>.....] - ETA: 0s - loss: 0.3717 - accuracy:
0.9221
224/750 [=====>.....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9212
299/750 [======>.....] - ETA: 0s - loss: 0.3704 - accuracy:
0.9205
376/750 [======>.....] - ETA: 0s - loss: 0.3754 - accuracy:
0.9193
451/750 [======>.....] - ETA: 0s - loss: 0.3770 - accuracy:
0.9189
526/750 [======>.....] - ETA: 0s - loss: 0.3788 - accuracy:
0.9187
602/750 [======>.....] - ETA: 0s - loss: 0.3763 - accuracy:
0.9194
679/750 [======>...] - ETA: 0s - loss: 0.3774 - accuracy:
0.9189
750/750 [=====] - 1s 810us/step - loss: 0.3787 - accuracy:
0.9185 - val_loss: 0.4773 - val_accuracy: 0.8861
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.3761 - accuracy:
0.9147
150/750 [====>.....] - ETA: 0s - loss: 0.3723 - accuracy:
0.9184
225/750 [=====>.....] - ETA: 0s - loss: 0.3780 - accuracy:
0.9170
299/750 [======>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9159
376/750 [======>.....] - ETA: 0s - loss: 0.3804 - accuracy:
0.9163
449/750 [======>.....] - ETA: 0s - loss: 0.3803 - accuracy:
0.9165
525/750 [======>.....] - ETA: 0s - loss: 0.3805 - accuracy:
0.9161
600/750 [======>.....] - ETA: 0s - loss: 0.3799 - accuracy:
0.9167
673/750 [======>...] - ETA: 0s - loss: 0.3806 - accuracy:
0.9165
750/750 [=====] - ETA: 0s - loss: 0.3800 - accuracy:

0.9170
750/750 [=====] - 1s 820us/step - loss: 0.3800 - accuracy:
0.9170 - val_loss: 0.5224 - val_accuracy: 0.8694
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.3887 - accuracy:
0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.3631 - accuracy:
0.9227
150/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy:
0.9221
226/750 [=====>.....] - ETA: 0s - loss: 0.3694 - accuracy:
0.9214
303/750 [======>.....] - ETA: 0s - loss: 0.3724 - accuracy:
0.9192
377/750 [======>.....] - ETA: 0s - loss: 0.3732 - accuracy:
0.9192
453/750 [======>.....] - ETA: 0s - loss: 0.3747 - accuracy:
0.9188
529/750 [======>.....] - ETA: 0s - loss: 0.3742 - accuracy:
0.9191
603/750 [======>.....] - ETA: 0s - loss: 0.3757 - accuracy:
0.9185
681/750 [======>...] - ETA: 0s - loss: 0.3763 - accuracy:
0.9181
750/750 [=====] - 1s 812us/step - loss: 0.3770 - accuracy:
0.9184 - val_loss: 0.4852 - val_accuracy: 0.8806
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.4355 - accuracy:
0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.3750 - accuracy:
0.9187
147/750 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy:
0.9233
224/750 [=====>.....] - ETA: 0s - loss: 0.3683 - accuracy:
0.9231
295/750 [======>.....] - ETA: 0s - loss: 0.3710 - accuracy:
0.9213
372/750 [======>.....] - ETA: 0s - loss: 0.3702 - accuracy:
0.9204
449/750 [======>.....] - ETA: 0s - loss: 0.3723 - accuracy:
0.9198
524/750 [======>.....] - ETA: 0s - loss: 0.3711 - accuracy:
0.9200
599/750 [======>.....] - ETA: 0s - loss: 0.3719 - accuracy:
0.9199
674/750 [======>...] - ETA: 0s - loss: 0.3725 - accuracy:
0.9200
748/750 [======>.] - ETA: 0s - loss: 0.3753 - accuracy:

0.9192
750/750 [=====] - 1s 816us/step - loss: 0.3753 - accuracy:
0.9192 - val_loss: 0.4898 - val_accuracy: 0.8790
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.3101 - accuracy:
0.9531
76/750 [==>.....] - ETA: 0s - loss: 0.3787 - accuracy:
0.9211
150/750 [====>.....] - ETA: 0s - loss: 0.3728 - accuracy:
0.9217
226/750 [=====>.....] - ETA: 0s - loss: 0.3722 - accuracy:
0.9193
301/750 [=====>.....] - ETA: 0s - loss: 0.3745 - accuracy:
0.9193
376/750 [=====>.....] - ETA: 0s - loss: 0.3743 - accuracy:
0.9189
452/750 [=====>.....] - ETA: 0s - loss: 0.3730 - accuracy:
0.9195
527/750 [=====>.....] - ETA: 0s - loss: 0.3737 - accuracy:
0.9189
603/750 [=====>.....] - ETA: 0s - loss: 0.3764 - accuracy:
0.9179
676/750 [=====>...] - ETA: 0s - loss: 0.3760 - accuracy:
0.9181
750/750 [=====] - 1s 816us/step - loss: 0.3756 - accuracy:
0.9183 - val_loss: 0.4984 - val_accuracy: 0.8770
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.3914 - accuracy:
0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.3715 - accuracy:
0.9211
154/750 [====>.....] - ETA: 0s - loss: 0.3737 - accuracy:
0.9187
228/750 [=====>.....] - ETA: 0s - loss: 0.3765 - accuracy:
0.9174
305/750 [=====>.....] - ETA: 0s - loss: 0.3747 - accuracy:
0.9190
381/750 [=====>.....] - ETA: 0s - loss: 0.3757 - accuracy:
0.9190
455/750 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy:
0.9189
530/750 [=====>.....] - ETA: 0s - loss: 0.3741 - accuracy:
0.9191
603/750 [=====>.....] - ETA: 0s - loss: 0.3745 - accuracy:
0.9194
678/750 [=====>...] - ETA: 0s - loss: 0.3745 - accuracy:
0.9198
749/750 [=====>.] - ETA: 0s - loss: 0.3747 - accuracy:

0.9195
750/750 [=====] - 1s 824us/step - loss: 0.3746 - accuracy:
0.9195 - val_loss: 0.4838 - val_accuracy: 0.8833
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.3711 - accuracy:
0.9259
147/750 [====>.....] - ETA: 0s - loss: 0.3661 - accuracy:
0.9228
220/750 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy:
0.9220
295/750 [======>.....] - ETA: 0s - loss: 0.3694 - accuracy:
0.9222
367/750 [======>.....] - ETA: 0s - loss: 0.3719 - accuracy:
0.9211
439/750 [======>.....] - ETA: 0s - loss: 0.3747 - accuracy:
0.9205
510/750 [======>.....] - ETA: 0s - loss: 0.3724 - accuracy:
0.9211
585/750 [======>.....] - ETA: 0s - loss: 0.3724 - accuracy:
0.9209
658/750 [======>....] - ETA: 0s - loss: 0.3722 - accuracy:
0.9208
733/750 [======>.] - ETA: 0s - loss: 0.3721 - accuracy:
0.9213
750/750 [=====] - 1s 844us/step - loss: 0.3716 - accuracy:
0.9215 - val_loss: 0.4883 - val_accuracy: 0.8801
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.3544 - accuracy:
0.9272
146/750 [====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9237
218/750 [=====>.....] - ETA: 0s - loss: 0.3682 - accuracy:
0.9217
290/750 [======>.....] - ETA: 0s - loss: 0.3702 - accuracy:
0.9213
364/750 [======>.....] - ETA: 0s - loss: 0.3696 - accuracy:
0.9214
436/750 [======>.....] - ETA: 0s - loss: 0.3715 - accuracy:
0.9209
506/750 [======>.....] - ETA: 0s - loss: 0.3698 - accuracy:
0.9211
579/750 [======>.....] - ETA: 0s - loss: 0.3701 - accuracy:
0.9209
654/750 [======>....] - ETA: 0s - loss: 0.3719 - accuracy:

0.9203 [=====] - ETA: 0s - loss: 0.3720 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.3720 - accuracy:
0.9206 [=====] - ETA: 0s - loss: 0.3720 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3719 - accuracy:
0.9203 - val_loss: 0.4910 - val_accuracy: 0.8831
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3410 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9280 [.....] - ETA: 0s - loss: 0.3566 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3689 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3689 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3693 - accuracy:
0.9206 [.....] - ETA: 0s - loss: 0.3693 - accuracy:
293/750 [======>.....] - ETA: 0s - loss: 0.3696 - accuracy:
0.9207 [.....] - ETA: 0s - loss: 0.3696 - accuracy:
366/750 [======>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9220 [.....] - ETA: 0s - loss: 0.3653 - accuracy:
439/750 [======>.....] - ETA: 0s - loss: 0.3666 - accuracy:
0.9223 [.....] - ETA: 0s - loss: 0.3666 - accuracy:
513/750 [======>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9212 [.....] - ETA: 0s - loss: 0.3687 - accuracy:
586/750 [======>.....] - ETA: 0s - loss: 0.3717 - accuracy:
0.9206 [.....] - ETA: 0s - loss: 0.3717 - accuracy:
660/750 [======>....] - ETA: 0s - loss: 0.3732 - accuracy:
0.9200 [.....] - ETA: 0s - loss: 0.3732 - accuracy:
731/750 [======>.] - ETA: 0s - loss: 0.3731 - accuracy:
0.9197 [.....] - ETA: 0s - loss: 0.3731 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.3736 - accuracy:
0.9195 - val_loss: 0.4836 - val_accuracy: 0.8806
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.3916 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3916 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3528 - accuracy:
0.9278 [.....] - ETA: 0s - loss: 0.3528 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.3642 - accuracy:
0.9249 [.....] - ETA: 0s - loss: 0.3642 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy:
0.9222 [.....] - ETA: 0s - loss: 0.3688 - accuracy:
291/750 [======>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9231 [.....] - ETA: 0s - loss: 0.3674 - accuracy:
364/750 [======>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9228 [.....] - ETA: 0s - loss: 0.3687 - accuracy:
437/750 [======>.....] - ETA: 0s - loss: 0.3691 - accuracy:
0.9223 [.....] - ETA: 0s - loss: 0.3691 - accuracy:
509/750 [======>.....] - ETA: 0s - loss: 0.3698 - accuracy:
0.9222 [.....] - ETA: 0s - loss: 0.3698 - accuracy:
583/750 [======>.....] - ETA: 0s - loss: 0.3708 - accuracy:

0.9219 [=====>....] - ETA: 0s - loss: 0.3718 - accuracy:
653/750 [=====>....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9211 [=====>..] - ETA: 0s - loss: 0.3716 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 0.3716 - accuracy:
0.9212 [=====] - 1s 848us/step - loss: 0.3714 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.3714 - accuracy:
0.9213 - val_loss: 0.5122 - val_accuracy: 0.8753
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.3610 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3726 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3726 - accuracy:
0.9206 [====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
0.9240 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3684 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3684 - accuracy:
0.9232 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy:
0.9223 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy:
0.9224 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy:
0.9228 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy:
0.9228 [=====>....] - ETA: 0s - loss: 0.3686 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.3686 - accuracy:
0.9223 [=====>.] - ETA: 0s - loss: 0.3691 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.3691 - accuracy:
0.9218 [=====] - 1s 845us/step - loss: 0.3700 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3700 - accuracy:
0.9213 - val_loss: 0.5010 - val_accuracy: 0.8786
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.3696 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.3483 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3483 - accuracy:
0.9297 [====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9258 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy:
0.9262 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3632 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3632 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
0.9232 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:

0.9231 [=====>.....] - ETA: 0s - loss: 0.3654 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.3654 - accuracy:
0.9221 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.3673 - accuracy:
0.9215 [=====>....] - ETA: 0s - loss: 0.3678 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.3678 - accuracy:
0.9213 [=====>.] - ETA: 0s - loss: 0.3687 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3687 - accuracy:
0.9209 - val_loss: 0.4886 - val_accuracy: 0.8794
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.3829 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3428 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9313 [=>.....] - ETA: 0s - loss: 0.3555 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.3555 - accuracy:
0.9274 [===>.....] - ETA: 0s - loss: 0.3565 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy:
0.9268 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy:
0.9266 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9246 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3617 - accuracy:
0.9249 [=====>.....] - ETA: 0s - loss: 0.3642 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.3642 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy:
663/750 [=====>....] - ETA: 0s - loss: 0.3661 - accuracy:
0.9226 [=====>....] - ETA: 0s - loss: 0.3661 - accuracy:
736/750 [=====>.] - ETA: 0s - loss: 0.3661 - accuracy:
0.9227 [=====>.] - ETA: 0s - loss: 0.3668 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3668 - accuracy:
0.9224 - val_loss: 0.5250 - val_accuracy: 0.8727
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.3735 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3409 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9326 [=>.....] - ETA: 0s - loss: 0.3499 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9309 [===>.....] - ETA: 0s - loss: 0.3586 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3628 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3628 - accuracy:
0.9253 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:

0.9247 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
0.9232 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy:
0.9228 [=====>.....] - ETA: 0s - loss: 0.3678 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.3678 - accuracy:
0.9221 [=====>.] - ETA: 0s - loss: 0.3683 - accuracy:
731/750 [=====>.] - ETA: 0s - loss: 0.3683 - accuracy:
0.9219 [=====] - ETA: 0s - loss: 0.3688 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3688 - accuracy:
0.9217 - val_loss: 0.4918 - val_accuracy: 0.8776
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.3211 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3468 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9280 [====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.3567 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy:
0.9218 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
0.9218 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
0.9221 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy:
0.9212 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
0.9217 [=====>.....] - ETA: 0s - loss: 0.3668 - accuracy:
651/750 [=====>....] - ETA: 0s - loss: 0.3668 - accuracy:
0.9213 [=====>.] - ETA: 0s - loss: 0.3661 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.3661 - accuracy:
0.9222 [=====>.] - ETA: 0s - loss: 0.3664 - accuracy:
750/750 [=====>.] - 1s 844us/step - loss: 0.3664 - accuracy:
0.9222 - val_loss: 0.4751 - val_accuracy: 0.8862
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.3134 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3716 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9177 [===>.....] - ETA: 0s - loss: 0.3718 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9194 [===>.....] - ETA: 0s - loss: 0.3656 - accuracy:
221/750 [===>.....] - ETA: 0s - loss: 0.3656 - accuracy:
0.9229 [===>.....] - ETA: 0s - loss: 0.3669 - accuracy:
292/750 [===>.....] - ETA: 0s - loss: 0.3669 - accuracy:
0.9213 [===>.....] - ETA: 0s - loss: 0.3672 - accuracy:
365/750 [===>.....] - ETA: 0s - loss: 0.3672 - accuracy:

0.9220 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
0.9212 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.3656 - accuracy:
0.9214 [=====>....] - ETA: 0s - loss: 0.3670 - accuracy:
727/750 [=====>.] - ETA: 0s - loss: 0.3670 - accuracy:
0.9212 [=====>.] - ETA: 0s - loss: 0.3669 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3669 - accuracy:
0.9215 - val_loss: 0.4955 - val_accuracy: 0.8788
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.4173 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3554 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3554 - accuracy:
0.9253 [=>.....] - ETA: 0s - loss: 0.3584 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.3584 - accuracy:
0.9246 [====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
0.9241 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
0.9227 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
0.9234 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9230 [=====>.....] - ETA: 0s - loss: 0.3655 - accuracy:
581/750 [=====>.....] - ETA: 0s - loss: 0.3655 - accuracy:
0.9228 [=====>....] - ETA: 0s - loss: 0.3651 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.3651 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.3656 - accuracy:
0.9230 [=====>.] - ETA: 0s - loss: 0.3656 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.3656 - accuracy:
0.9229 - val_loss: 0.4897 - val_accuracy: 0.8835
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.3249 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3659 - accuracy:
77/750 [=>.....] - ETA: 0s - loss: 0.3659 - accuracy:
0.9221 [=>.....] - ETA: 0s - loss: 0.3635 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9243 [====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9263 [=====>.....] - ETA: 0s - loss: 0.3575 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3575 - accuracy:

0.9270 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
0.9253 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
676/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy:
0.9254 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.3626 - accuracy:
0.9242 [=====] - 1s 817us/step - loss: 0.3626 - accuracy:
0.9242 - val_loss: 0.4965 - val_accuracy: 0.8812
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.4683 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.3694 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3694 - accuracy:
0.9180 [==>.....] - ETA: 0s - loss: 0.3650 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
0.9242 [====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3623 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3623 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3616 - accuracy:
454/750 [=====>.....] - ETA: 0s - loss: 0.3616 - accuracy:
0.9246 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3639 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.3639 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
681/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9231 [=====>.....] - 1s 814us/step - loss: 0.3658 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.3658 - accuracy:
0.9229 - val_loss: 0.5030 - val_accuracy: 0.8792
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.4484 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3544 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3544 - accuracy:
0.9252 [==>.....] - ETA: 0s - loss: 0.3605 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
0.9251 [====>.....] - ETA: 0s - loss: 0.3551 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3551 - accuracy:
0.9268 [=====>.....] - ETA: 0s - loss: 0.3530 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3530 - accuracy:

0.9267 [.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9255
372/750 [=====>.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9255
450/750 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy: 0.9253
523/750 [=====>.....] - ETA: 0s - loss: 0.3622 - accuracy: 0.9242
600/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9241
676/750 [=====>...] - ETA: 0s - loss: 0.3617 - accuracy: 0.9248
750/750 [=====] - ETA: 0s - loss: 0.3621 - accuracy: 0.9241
750/750 [=====] - 1s 817us/step - loss: 0.3621 - accuracy: 0.9241 - val_loss: 0.4875 - val_accuracy: 0.8842
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.3779 - accuracy: 0.9375
76/750 [=>.....] - ETA: 0s - loss: 0.3683 - accuracy: 0.9227
154/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9227
229/750 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy: 0.9245
303/750 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9235
380/750 [=====>.....] - ETA: 0s - loss: 0.3665 - accuracy: 0.9229
455/750 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy: 0.9225
530/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy: 0.9230
607/750 [=====>.....] - ETA: 0s - loss: 0.3640 - accuracy: 0.9230
682/750 [=====>...] - ETA: 0s - loss: 0.3627 - accuracy: 0.9232
750/750 [=====] - 1s 816us/step - loss: 0.3613 - accuracy: 0.9238 - val_loss: 0.4786 - val_accuracy: 0.8905
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9189
149/750 [=====>.....] - ETA: 0s - loss: 0.3632 - accuracy: 0.9239
225/750 [=====>.....] - ETA: 0s - loss: 0.3632 - accuracy: 0.9244
301/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:

0.9231 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9241 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9249 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
679/750 [=====>...] - ETA: 0s - loss: 0.3620 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.3620 - accuracy:
0.9244 - val_loss: 0.5128 - val_accuracy: 0.8751
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3475 - accuracy:
76/750 [====>.....] - ETA: 0s - loss: 0.3607 - accuracy:
0.9259 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9236 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3616 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.3624 - accuracy:
750/750 [=====>...] - ETA: 0s - loss: 0.3624 - accuracy:
0.9235 [=====>...] - 1s 816us/step - loss: 0.3624 - accuracy:
0.9235 - val_loss: 0.4843 - val_accuracy: 0.8847
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.3138 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3617 - accuracy:
78/750 [====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.3649 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3638 - accuracy:

0.9236 [=====>.....] - ETA: 0s - loss: 0.3631 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3620 - accuracy:
0.9237 [=====>.....] - ETA: 0s - loss: 0.3611 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3620 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9242 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
682/750 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9240 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
750/750 [=====] - 1s 809us/step - loss: 0.3626 - accuracy:
0.9238 - val_loss: 0.4902 - val_accuracy: 0.8830
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.3652 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3675 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3527 - accuracy:
0.9178 [==>.....] - ETA: 0s - loss: 0.3511 - accuracy:
152/750 [==>.....] - ETA: 0s - loss: 0.3527 - accuracy:
0.9244 [==>.....] - ETA: 0s - loss: 0.3566 - accuracy:
226/750 [==>.....] - ETA: 0s - loss: 0.3584 - accuracy:
0.9244 [==>.....] - ETA: 0s - loss: 0.3598 - accuracy:
302/750 [==>.....] - ETA: 0s - loss: 0.3610 - accuracy:
0.9237 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
376/750 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9234 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
451/750 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9237 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
527/750 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9232 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
602/750 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9234 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
678/750 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9229 [==>.....] - ETA: 0s - loss: 0.3621 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.3621 - accuracy:
0.9225 - val_loss: 0.4932 - val_accuracy: 0.8823
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.3007 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3313 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9394 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
150/750 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9325 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
225/750 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9307 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
300/750 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9298 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:
376/750 [==>.....] - ETA: 0s - loss: 0.3470 - accuracy:

0.9274 [=====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy:
0.9263 [=====>.....] - ETA: 0s - loss: 0.3557 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.3580 - accuracy:
0.9262 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
0.9251 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
675/750 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.3588 - accuracy:
0.9248 [=====] - 1s 817us/step - loss: 0.3588 - accuracy:
0.9248 - val_loss: 0.5126 - val_accuracy: 0.8788
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.4483 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.3676 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9221 [==>.....] - ETA: 0s - loss: 0.3488 - accuracy:
151/750 [==>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9275 [==>.....] - ETA: 0s - loss: 0.3534 - accuracy:
226/750 [==>.....] - ETA: 0s - loss: 0.3524 - accuracy:
0.9287 [==>.....] - ETA: 0s - loss: 0.3537 - accuracy:
302/750 [==>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9266 [==>.....] - ETA: 0s - loss: 0.3558 - accuracy:
379/750 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
0.9255 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
453/750 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
0.9268 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
529/750 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
0.9268 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
603/750 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
679/750 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
0.9258 [==>.....] - ETA: 0s - loss: 0.3568 - accuracy:
750/750 [==>.....] - 1s 821us/step - loss: 0.3568 - accuracy:
0.9255 - val_loss: 0.5052 - val_accuracy: 0.8802
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.4203 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.3639 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9262 [==>.....] - ETA: 0s - loss: 0.3636 - accuracy:
150/750 [==>.....] - ETA: 0s - loss: 0.3627 - accuracy:
0.9248 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
227/750 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9250 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
300/750 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9251 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:
376/750 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy:

0.9258
451/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy: 0.9244
525/750 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy: 0.9243
599/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy: 0.9248
673/750 [=====>....] - ETA: 0s - loss: 0.3587 - accuracy: 0.9249
748/750 [=====>.] - ETA: 0s - loss: 0.3576 - accuracy: 0.9253
750/750 [=====] - 1s 816us/step - loss: 0.3575 - accuracy: 0.9252 - val_loss: 0.4808 - val_accuracy: 0.8867
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.3756 - accuracy: 0.9688
76/750 [==>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9287
153/750 [====>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9281
226/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9275
302/750 [=====>.....] - ETA: 0s - loss: 0.3536 - accuracy: 0.9274
379/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9278
454/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.9269
531/750 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy: 0.9277
606/750 [=====>.....] - ETA: 0s - loss: 0.3536 - accuracy: 0.9270
680/750 [=====>....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9261
750/750 [=====] - 1s 814us/step - loss: 0.3575 - accuracy: 0.9251 - val_loss: 0.4909 - val_accuracy: 0.8838
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.2524 - accuracy: 0.9844
77/750 [==>.....] - ETA: 0s - loss: 0.3523 - accuracy: 0.9284
150/750 [====>.....] - ETA: 0s - loss: 0.3549 - accuracy: 0.9281
226/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy: 0.9262
300/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy: 0.9273
374/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy:

0.9272 [=====>.....] - ETA: 0s - loss: 0.3560 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3560 - accuracy:
0.9263 [=====>.....] - ETA: 0s - loss: 0.3566 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9253 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy:
0.9258 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy:
678/750 [=====>...] - ETA: 0s - loss: 0.3586 - accuracy:
0.9257 [=====>...] - ETA: 0s - loss: 0.3589 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3589 - accuracy:
0.9255 - val_loss: 0.5233 - val_accuracy: 0.8741
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.4338 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3452 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9294 [==>.....] - ETA: 0s - loss: 0.3465 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3465 - accuracy:
0.9277 [====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9295 [=====>.....] - ETA: 0s - loss: 0.3493 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3493 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3539 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3539 - accuracy:
0.9269 [=====>.....] - ETA: 0s - loss: 0.3560 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3560 - accuracy:
0.9258 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9255 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy:
683/750 [=====>...] - ETA: 0s - loss: 0.3565 - accuracy:
0.9256 [=====>...] - ETA: 0s - loss: 0.3563 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.3563 - accuracy:
0.9257 - val_loss: 0.4846 - val_accuracy: 0.8884
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.3726 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3394 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9367 [==>.....] - ETA: 0s - loss: 0.3428 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9334 [====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9289 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9286 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy:

0.9277 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy:
0.9275 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.3524 - accuracy:
0.9271 [=====] - 1s 812us/step - loss: 0.3541 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.3541 - accuracy:
0.9260 - val_loss: 0.4947 - val_accuracy: 0.8798
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.3545 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9241 [====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9247 [====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
225/750 [====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9268 [====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
301/750 [====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9275 [====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
378/750 [====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9262 [====>.....] - ETA: 0s - loss: 0.3530 - accuracy:
452/750 [====>.....] - ETA: 0s - loss: 0.3530 - accuracy:
0.9267 [====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
528/750 [====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9263 [====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
602/750 [====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9259 [====>.....] - ETA: 0s - loss: 0.3552 - accuracy:
676/750 [====>...] - ETA: 0s - loss: 0.3552 - accuracy:
0.9251 [====>...] - 1s 816us/step - loss: 0.3563 - accuracy:
750/750 [====>] - 1s 816us/step - loss: 0.3563 - accuracy:
0.9246 - val_loss: 0.4889 - val_accuracy: 0.8833
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3444 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9346 [====>.....] - ETA: 0s - loss: 0.3498 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9315 [====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
224/750 [====>.....] - ETA: 0s - loss: 0.3537 - accuracy:
0.9297 [====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
302/750 [====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9295 [====>.....] - ETA: 0s - loss: 0.3555 - accuracy:
375/750 [====>.....] - ETA: 0s - loss: 0.3555 - accuracy:
0.9276 [====>.....] - ETA: 0s - loss: 0.3546 - accuracy:
452/750 [====>.....] - ETA: 0s - loss: 0.3546 - accuracy:
0.9282 [====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
527/750 [====>.....] - ETA: 0s - loss: 0.3541 - accuracy:

0.9283 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
0.9289 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy:
680/750 [=====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3536 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.3534 - accuracy:
0.9280 - val_loss: 0.4863 - val_accuracy: 0.8842
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.4374 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4374 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9324 [=>.....] - ETA: 0s - loss: 0.3408 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.9322 [=====>.....] - ETA: 0s - loss: 0.3418 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9310 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy:
0.9290 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy:
600/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9288 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
674/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
748/750 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy:
750/750 [=====] - 1s 818us/step - loss: 0.3534 - accuracy:
0.9272 - val_loss: 0.4902 - val_accuracy: 0.8821
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3349 - accuracy:
78/750 [=>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9327 [=>.....] - ETA: 0s - loss: 0.3396 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
0.9310 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:

0.9293 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9290 [=====] - 1s 816us/step - loss: 0.3510 - accuracy:
0.9288 - val_loss: 0.4924 - val_accuracy: 0.8873
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.4675 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.3407 - accuracy:
0.9324 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
0.9292 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy:
0.9283 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy:
0.9265 [=====>.....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
0.9277 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy:
0.9284 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
0.9281 [=====] - 1s 817us/step - loss: 0.3513 - accuracy:
0.9281 - val_loss: 0.5015 - val_accuracy: 0.8832
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.3745 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3525 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9309 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3510 - accuracy:
0.9287 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9295 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
0.9284 [=====>.....] - ETA: 0s - loss: 0.3517 - accuracy:

0.9283 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
677/750 [=====>...] - ETA: 0s - loss: 0.3513 - accuracy:
0.9278 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3535 - accuracy:
0.9271 - val_loss: 0.4930 - val_accuracy: 0.8826
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.4182 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4182 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3321 - accuracy:
0.9350 [.....] - ETA: 0s - loss: 0.3321 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9351 [.....] - ETA: 0s - loss: 0.3382 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9327 [.....] - ETA: 0s - loss: 0.3430 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9307 [.....] - ETA: 0s - loss: 0.3460 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9304 [.....] - ETA: 0s - loss: 0.3461 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
0.9303 [.....] - ETA: 0s - loss: 0.3478 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy:
0.9292 [.....] - ETA: 0s - loss: 0.3498 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy:
0.9283 [.....] - ETA: 0s - loss: 0.3506 - accuracy:
678/750 [=====>...] - ETA: 0s - loss: 0.3523 - accuracy:
0.9277 [.....] - ETA: 0s - loss: 0.3523 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3522 - accuracy:
0.9279 - val_loss: 0.4952 - val_accuracy: 0.8813
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.4527 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.4527 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3309 - accuracy:
0.9363 [.....] - ETA: 0s - loss: 0.3309 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3310 - accuracy:
0.9358 [.....] - ETA: 0s - loss: 0.3310 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9346 [.....] - ETA: 0s - loss: 0.3367 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9336 [.....] - ETA: 0s - loss: 0.3382 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9317 [.....] - ETA: 0s - loss: 0.3426 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9312 [.....] - ETA: 0s - loss: 0.3448 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9303 [.....] - ETA: 0s - loss: 0.3486 - accuracy:
599/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy:

0.9291 [=====>....] - ETA: 0s - loss: 0.3519 - accuracy:
674/750 [=====>....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9285 [=====>....] - ETA: 0s - loss: 0.3513 - accuracy:
748/750 [=====>....] - ETA: 0s - loss: 0.3513 - accuracy:
0.9286 [=====>....] - ETA: 0s - loss: 0.3515 - accuracy:
750/750 [=====] - 1s 821us/step - loss: 0.3515 - accuracy:
0.9286 - val_loss: 0.5407 - val_accuracy: 0.8625
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.3618 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3314 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9350 [==>.....] - ETA: 0s - loss: 0.3396 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9313 [====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
0.9303 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9295 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9287 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
0.9279 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
677/750 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.3495 - accuracy:
0.9285 - val_loss: 0.5141 - val_accuracy: 0.8754
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.4088 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3534 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9272 [==>.....] - ETA: 0s - loss: 0.3493 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3493 - accuracy:
0.9290 [====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3512 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9300 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9304 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy:
0.9302 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy:

0.9301 [=====] - ETA: 0s - loss: 0.3503 - accuracy: 0.9294
682/750 [=====] - ETA: 0s - loss: 0.3503 - accuracy: 0.9294
750/750 [=====] - 1s 812us/step - loss: 0.3518 - accuracy: 0.9289 - val_loss: 0.4900 - val_accuracy: 0.8828
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.3276 - accuracy: 0.9375
74/750 [=>.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9320
150/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9326
226/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9310
300/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9304
375/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy: 0.9313
449/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy: 0.9307
523/750 [=====>.....] - ETA: 0s - loss: 0.3483 - accuracy: 0.9308
599/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy: 0.9305
673/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy: 0.9293
750/750 [=====] - ETA: 0s - loss: 0.3499 - accuracy: 0.9293
750/750 [=====] - 1s 817us/step - loss: 0.3499 - accuracy: 0.9293 - val_loss: 0.5304 - val_accuracy: 0.8702
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.3652 - accuracy: 0.9219
75/750 [=>.....] - ETA: 0s - loss: 0.3608 - accuracy: 0.9269
151/750 [=====>.....] - ETA: 0s - loss: 0.3560 - accuracy: 0.9274
224/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy: 0.9278
295/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy: 0.9279
369/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9278
444/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy: 0.9293
521/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9288
596/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9288

0.9286 [=====>....] - ETA: 0s - loss: 0.3487 - accuracy:
0.9284 [=====>....] - ETA: 0s - loss: 0.3490 - accuracy:
747/750 [=====>....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9281 [=====>....] - ETA: 0s - loss: 0.3490 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.3490 - accuracy:
0.9281 - val_loss: 0.4901 - val_accuracy: 0.8832
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.3814 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3315 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9367 [==>.....] - ETA: 0s - loss: 0.3409 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9330 [====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9310 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9298 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
600/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9306 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.3462 - accuracy:
0.9308 [=====>....] - ETA: 0s - loss: 0.3465 - accuracy:
749/750 [=====>....] - ETA: 0s - loss: 0.3465 - accuracy:
0.9304 [=====>....] - ETA: 0s - loss: 0.3467 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.3467 - accuracy:
0.9303 - val_loss: 0.4869 - val_accuracy: 0.8861
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.3488 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3376 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9338 [==>.....] - ETA: 0s - loss: 0.3519 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9272 [====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9278 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9299 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy:
0.9305 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:

0.9305 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
677/750 [=====>...] - ETA: 0s - loss: 0.3475 - accuracy:
0.9296 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.3467 - accuracy:
0.9300 - val_loss: 0.5005 - val_accuracy: 0.8791
Epoch 133/220

1/750 [=====] - ETA: 0s - loss: 0.3291 - accuracy:
0.9375 [=====] - ETA: 0s - loss: 0.3291 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3368 - accuracy:
0.9319 [=====] - ETA: 0s - loss: 0.3368 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9320 [=====] - ETA: 0s - loss: 0.3384 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9305 [=====] - ETA: 0s - loss: 0.3420 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9290 [=====] - ETA: 0s - loss: 0.3460 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
0.9297 [=====] - ETA: 0s - loss: 0.3455 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3467 - accuracy:
0.9289 [=====] - ETA: 0s - loss: 0.3467 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9285 [=====] - ETA: 0s - loss: 0.3475 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9286 [=====] - ETA: 0s - loss: 0.3470 - accuracy:
677/750 [=====>...] - ETA: 0s - loss: 0.3475 - accuracy:
0.9285 [=====] - ETA: 0s - loss: 0.3475 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.3487 - accuracy:
0.9278 - val_loss: 0.4962 - val_accuracy: 0.8813
Epoch 134/220

1/750 [=====] - ETA: 0s - loss: 0.4667 - accuracy:
0.8906 [=====] - ETA: 0s - loss: 0.4667 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9340 [=====] - ETA: 0s - loss: 0.3420 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9350 [=====] - ETA: 0s - loss: 0.3376 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3321 - accuracy:
0.9363 [=====] - ETA: 0s - loss: 0.3321 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9331 [=====] - ETA: 0s - loss: 0.3402 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
0.9311 [=====] - ETA: 0s - loss: 0.3436 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3458 - accuracy:
0.9300 [=====] - ETA: 0s - loss: 0.3458 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9300 [=====] - ETA: 0s - loss: 0.3454 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:

0.9295
674/750 [=====>....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9290
748/750 [=====>.] - ETA: 0s - loss: 0.3482 - accuracy:
0.9286
750/750 [=====] - 1s 817us/step - loss: 0.3482 - accuracy:
0.9286 - val_loss: 0.5002 - val_accuracy: 0.8813
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.3140 - accuracy:
0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.3283 - accuracy:
0.9346
151/750 [====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9323
225/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9315
300/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9319
376/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9313
451/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9315
526/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9308
601/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
0.9299
676/750 [=====>...] - ETA: 0s - loss: 0.3453 - accuracy:
0.9298
750/750 [=====] - 1s 816us/step - loss: 0.3453 - accuracy:
0.9297 - val_loss: 0.4867 - val_accuracy: 0.8848
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9330
152/750 [====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9317
225/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9307
303/750 [=====>.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.9303
378/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9298
456/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
0.9300
533/750 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
0.9308
607/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:

0.9311 [=====] - ETA: 0s - loss: 0.3444 - accuracy:
683/750 [=====] - ETA: 0s - loss: 0.3444 - accuracy:
0.9315 [=====] - ETA: 0s - loss: 0.3444 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.3464 - accuracy:
0.9308 - val_loss: 0.5039 - val_accuracy: 0.8777
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.4701 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4701 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9306 [==>.....] - ETA: 0s - loss: 0.3456 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
0.9317 [====>.....] - ETA: 0s - loss: 0.3441 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
0.9324 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.3483 - accuracy:
0.9302 [=====>.....] - ETA: 0s - loss: 0.3483 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3508 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
0.9305 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9306 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.3467 - accuracy:
0.9314 [=====>....] - ETA: 0s - loss: 0.3467 - accuracy:
747/750 [=====>.] - ETA: 0s - loss: 0.3461 - accuracy:
0.9314 [=====>.] - ETA: 0s - loss: 0.3461 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.3462 - accuracy:
0.9314 - val_loss: 0.4821 - val_accuracy: 0.8908
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.2526 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.2526 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9367 [==>.....] - ETA: 0s - loss: 0.3279 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9346 [====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9326 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9318 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9309 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9309 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:

0.9308 [=====] - ETA: 0s - loss: 0.3444 - accuracy:
680/750 [=====] - ETA: 0s - loss: 0.3444 - accuracy:
0.9301 [=====] - ETA: 0s - loss: 0.3444 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.3446 - accuracy:
0.9296 - val_loss: 0.4904 - val_accuracy: 0.8867
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.3148 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3148 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3374 - accuracy:
0.9299 [=>.....] - ETA: 0s - loss: 0.3374 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9319 [====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9318 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
296/750 [======>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9323 [======>.....] - ETA: 0s - loss: 0.3393 - accuracy:
372/750 [======>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9316 [======>.....] - ETA: 0s - loss: 0.3402 - accuracy:
447/750 [======>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9319 [======>.....] - ETA: 0s - loss: 0.3409 - accuracy:
522/750 [======>.....] - ETA: 0s - loss: 0.3399 - accuracy:
0.9320 [======>.....] - ETA: 0s - loss: 0.3399 - accuracy:
599/750 [======>.....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9314 [======>.....] - ETA: 0s - loss: 0.3432 - accuracy:
673/750 [======>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9303 [======>.....] - ETA: 0s - loss: 0.3456 - accuracy:
747/750 [======>.....] - ETA: 0s - loss: 0.3473 - accuracy:
0.9299 [======>.....] - ETA: 0s - loss: 0.3473 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.3475 - accuracy:
0.9298 - val_loss: 0.5078 - val_accuracy: 0.8784
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.2937 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.2937 - accuracy:
77/750 [=>.....] - ETA: 0s - loss: 0.3413 - accuracy:
0.9328 [=>.....] - ETA: 0s - loss: 0.3413 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9324 [====>.....] - ETA: 0s - loss: 0.3386 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9314 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
303/750 [======>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9308 [======>.....] - ETA: 0s - loss: 0.3425 - accuracy:
376/750 [======>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9306 [======>.....] - ETA: 0s - loss: 0.3430 - accuracy:
452/750 [======>.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9323 [======>.....] - ETA: 0s - loss: 0.3410 - accuracy:
529/750 [======>.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9319 [======>.....] - ETA: 0s - loss: 0.3414 - accuracy:
605/750 [======>.....] - ETA: 0s - loss: 0.3420 - accuracy:

0.9316 [=====] - ETA: 0s - loss: 0.3436 - accuracy: 0.9309
682/750 [=====>...] - ETA: 0s - loss: 0.3436 - accuracy: 0.9309
0.9309 [=====] - 1s 812us/step - loss: 0.3448 - accuracy: 0.9305 - val_loss: 0.5281 - val_accuracy: 0.8748
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9219
0.9219 [==>.....] - ETA: 0s - loss: 0.3498 - accuracy: 0.9293
0.9293 [=====] - 1s 810us/step - loss: 0.3417 - accuracy: 0.9325
150/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9332
0.9332 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy: 0.9337
300/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9331
375/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9319
451/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9319
526/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9316
604/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9314
678/750 [=====>...] - ETA: 0s - loss: 0.3423 - accuracy: 0.9315
750/750 [=====] - 1s 810us/step - loss: 0.3423 - accuracy: 0.9315 - val_loss: 0.4974 - val_accuracy: 0.8802
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.3495 - accuracy: 0.9062
0.9062 [==>.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9305
0.9305 [=====] - 1s 810us/step - loss: 0.3445 - accuracy: 0.9310
151/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9310
224/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9321
301/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9321
375/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9333
452/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9326
527/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy: 0.9316
600/750 [=====>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9316
676/750 [=====>...] - ETA: 0s - loss: 0.3457 - accuracy: 0.9316

0.9310
750/750 [=====] - 1s 813us/step - loss: 0.3459 - accuracy:
0.9305 - val_loss: 0.4911 - val_accuracy: 0.8832
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.4500 - accuracy:
0.8906
63/750 [=>.....] - ETA: 0s - loss: 0.3204 - accuracy:
0.9439
137/750 [====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9368
213/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
0.9352
287/750 [======>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9341
362/750 [======>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9329
439/750 [======>.....] - ETA: 0s - loss: 0.3404 - accuracy:
0.9324
514/750 [======>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9321
588/750 [======>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9318
663/750 [======>....] - ETA: 0s - loss: 0.3441 - accuracy:
0.9308
739/750 [======>.] - ETA: 0s - loss: 0.3438 - accuracy:
0.9311
750/750 [=====] - 1s 829us/step - loss: 0.3442 - accuracy:
0.9311 - val_loss: 0.5782 - val_accuracy: 0.8599
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.4075 - accuracy:
0.9062
77/750 [=>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9324
151/750 [====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9361
223/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9367
297/750 [======>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9333
374/750 [======>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9327
447/750 [======>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9323
525/750 [======>.....] - ETA: 0s - loss: 0.3407 - accuracy:
0.9320
599/750 [======>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9314
674/750 [======>....] - ETA: 0s - loss: 0.3417 - accuracy:

0.9319
750/750 [=====] - 1s 816us/step - loss: 0.3427 - accuracy:
0.9313 - val_loss: 0.4985 - val_accuracy: 0.8821
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.4486 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.3476 - accuracy:
0.9303
150/750 [====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9337
226/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9325
301/750 [======>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9325
378/750 [======>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9327
455/750 [======>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9316
529/750 [======>.....] - ETA: 0s - loss: 0.3431 - accuracy:
0.9311
604/750 [======>.....] - ETA: 0s - loss: 0.3440 - accuracy:
0.9306
680/750 [======>...] - ETA: 0s - loss: 0.3446 - accuracy:
0.9303
750/750 [=====] - 1s 814us/step - loss: 0.3458 - accuracy:
0.9300 - val_loss: 0.4940 - val_accuracy: 0.8854
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.2710 - accuracy:
0.9531
78/750 [==>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9315
153/750 [====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
0.9328
229/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9324
306/750 [======>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9302
381/750 [======>.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9312
456/750 [======>.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.9312
533/750 [======>.....] - ETA: 0s - loss: 0.3408 - accuracy:
0.9320
606/750 [======>.....] - ETA: 0s - loss: 0.3403 - accuracy:
0.9320
677/750 [======>...] - ETA: 0s - loss: 0.3410 - accuracy:
0.9317
750/750 [=====] - 1s 817us/step - loss: 0.3422 - accuracy:

0.9306 - val_loss: 0.5200 - val_accuracy: 0.8758
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.4429 - accuracy:
0.9062
78/750 [==>.....] - ETA: 0s - loss: 0.3562 - accuracy:
0.9281
153/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9328
227/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9312
303/750 [======>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9302
379/750 [======>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9298
454/750 [======>.....] - ETA: 0s - loss: 0.3461 - accuracy:
0.9300
526/750 [======>.....] - ETA: 0s - loss: 0.3465 - accuracy:
0.9299
601/750 [======>.....] - ETA: 0s - loss: 0.3449 - accuracy:
0.9306
677/750 [======>...] - ETA: 0s - loss: 0.3443 - accuracy:
0.9307
750/750 [=====] - 1s 816us/step - loss: 0.3433 - accuracy:
0.9308 - val_loss: 0.4939 - val_accuracy: 0.8848
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.3659 - accuracy:
0.9531
75/750 [==>.....] - ETA: 0s - loss: 0.3247 - accuracy:
0.9390
150/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9379
226/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9351
301/750 [======>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9318
377/750 [======>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9298
452/750 [======>.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9307
526/750 [======>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9317
602/750 [======>.....] - ETA: 0s - loss: 0.3431 - accuracy:
0.9311
676/750 [======>...] - ETA: 0s - loss: 0.3425 - accuracy:
0.9314
750/750 [=====] - 1s 816us/step - loss: 0.3427 - accuracy:
0.9314 - val_loss: 0.4927 - val_accuracy: 0.8850
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.3877 - accuracy: 0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9402
149/750 [====>.....] - ETA: 0s - loss: 0.3267 - accuracy: 0.9400
223/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy: 0.9361
297/750 [======>.....] - ETA: 0s - loss: 0.3364 - accuracy: 0.9348
369/750 [======>.....] - ETA: 0s - loss: 0.3385 - accuracy: 0.9342
445/750 [======>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9332
517/750 [======>.....] - ETA: 0s - loss: 0.3421 - accuracy: 0.9328
591/750 [======>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9335
665/750 [======>....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9334
741/750 [======>.] - ETA: 0s - loss: 0.3414 - accuracy: 0.9334
750/750 [=====] - 1s 824us/step - loss: 0.3414 - accuracy: 0.9334 - val_loss: 0.4913 - val_accuracy: 0.8866
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.2718 - accuracy: 0.9531
75/750 [==>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9321
149/750 [====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9322
225/750 [=====>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9349
300/750 [======>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9357
375/750 [======>.....] - ETA: 0s - loss: 0.3324 - accuracy: 0.9352
451/750 [======>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9341
526/750 [======>.....] - ETA: 0s - loss: 0.3385 - accuracy: 0.9329
602/750 [======>....] - ETA: 0s - loss: 0.3392 - accuracy: 0.9325
679/750 [======>...] - ETA: 0s - loss: 0.3416 - accuracy: 0.9313
750/750 [=====] - 1s 817us/step - loss: 0.3418 - accuracy: 0.9314 - val_loss: 0.5169 - val_accuracy: 0.8779
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.3806 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.3433 - accuracy: 0.9333
149/750 [====>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9352
224/750 [=====>.....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9348
300/750 [======>.....] - ETA: 0s - loss: 0.3373 - accuracy: 0.9351
375/750 [======>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9327
450/750 [======>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9334
526/750 [======>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9327
602/750 [======>.....] - ETA: 0s - loss: 0.3421 - accuracy: 0.9325
677/750 [======>...] - ETA: 0s - loss: 0.3427 - accuracy: 0.9322
750/750 [=====] - 1s 817us/step - loss: 0.3431 - accuracy: 0.9320 - val_loss: 0.4901 - val_accuracy: 0.8871
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.2974 - accuracy: 0.9219
77/750 [=>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9332
152/750 [====>.....] - ETA: 0s - loss: 0.3278 - accuracy: 0.9361
225/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy: 0.9343
302/750 [======>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9344
375/750 [======>.....] - ETA: 0s - loss: 0.3293 - accuracy: 0.9350
450/750 [======>.....] - ETA: 0s - loss: 0.3314 - accuracy: 0.9348
527/750 [======>.....] - ETA: 0s - loss: 0.3339 - accuracy: 0.9343
602/750 [======>.....] - ETA: 0s - loss: 0.3353 - accuracy: 0.9339
678/750 [======>...] - ETA: 0s - loss: 0.3376 - accuracy: 0.9329
750/750 [=====] - 1s 818us/step - loss: 0.3391 - accuracy: 0.9322 - val_loss: 0.4989 - val_accuracy: 0.8832
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.2351 - accuracy:

0.9844 [.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9310
75/750 [==>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9310
151/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy: 0.9318
227/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy: 0.9325
300/750 [======>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9315
376/750 [======>.....] - ETA: 0s - loss: 0.3389 - accuracy: 0.9324
449/750 [======>.....] - ETA: 0s - loss: 0.3395 - accuracy: 0.9319
524/750 [======>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9307
599/750 [======>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9308
675/750 [======>...] - ETA: 0s - loss: 0.3415 - accuracy: 0.9315
750/750 [=====] - ETA: 0s - loss: 0.3412 - accuracy: 0.9314
750/750 [=====] - 1s 816us/step - loss: 0.3412 - accuracy: 0.9314 - val_loss: 0.4934 - val_accuracy: 0.8835
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.3184 - accuracy: 0.9688
74/750 [=>.....] - ETA: 0s - loss: 0.3310 - accuracy: 0.9367
149/750 [===>.....] - ETA: 0s - loss: 0.3339 - accuracy: 0.9354
224/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy: 0.9353
299/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9347
374/750 [======>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9344
450/750 [======>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9335
527/750 [======>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9332
602/750 [======>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9333
677/750 [======>...] - ETA: 0s - loss: 0.3383 - accuracy: 0.9324
750/750 [=====] - 1s 816us/step - loss: 0.3393 - accuracy: 0.9321 - val_loss: 0.4869 - val_accuracy: 0.8849
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.2797 - accuracy:

0.9688 [.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9348
76/750 [==>.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9348
151/750 [====>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9332
228/750 [=====>.....] - ETA: 0s - loss: 0.3414 - accuracy: 0.9340
305/750 [======>.....] - ETA: 0s - loss: 0.3399 - accuracy: 0.9341
380/750 [======>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9329
454/750 [======>.....] - ETA: 0s - loss: 0.3426 - accuracy: 0.9321
529/750 [======>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.9328
606/750 [======>.....] - ETA: 0s - loss: 0.3395 - accuracy: 0.9332
681/750 [======>...] - ETA: 0s - loss: 0.3405 - accuracy: 0.9324
750/750 [=====] - 1s 813us/step - loss: 0.3409 - accuracy: 0.9322 - val_loss: 0.5069 - val_accuracy: 0.8806
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.2512 - accuracy: 0.9844
74/750 [=>.....] - ETA: 0s - loss: 0.3214 - accuracy: 0.9424
151/750 [====>.....] - ETA: 0s - loss: 0.3292 - accuracy: 0.9371
226/750 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy: 0.9392
301/750 [======>.....] - ETA: 0s - loss: 0.3266 - accuracy: 0.9372
376/750 [======>.....] - ETA: 0s - loss: 0.3321 - accuracy: 0.9355
452/750 [======>.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.9356
528/750 [======>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9336
604/750 [======>.....] - ETA: 0s - loss: 0.3396 - accuracy: 0.9325
680/750 [======>...] - ETA: 0s - loss: 0.3402 - accuracy: 0.9322
750/750 [=====] - 1s 817us/step - loss: 0.3402 - accuracy: 0.9325 - val_loss: 0.5110 - val_accuracy: 0.8808
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.2939 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.3443 - accuracy:

0.9298 [.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9340
227/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9320
300/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9329
372/750 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy: 0.9336
448/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9342
524/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9343
600/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9341
677/750 [=====>...] - ETA: 0s - loss: 0.3384 - accuracy: 0.9344
750/750 [=====] - 1s 816us/step - loss: 0.3389 - accuracy: 0.9342 - val_loss: 0.4934 - val_accuracy: 0.8873
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.3077 - accuracy: 0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9310
152/750 [====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9348
226/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9350
301/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9345
377/750 [=====>.....] - ETA: 0s - loss: 0.3401 - accuracy: 0.9337
453/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy: 0.9334
529/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9329
604/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9320
679/750 [=====>...] - ETA: 0s - loss: 0.3407 - accuracy: 0.9325
750/750 [=====] - 1s 813us/step - loss: 0.3406 - accuracy: 0.9330 - val_loss: 0.4917 - val_accuracy: 0.8858
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9365
147/750 [====>.....] - ETA: 0s - loss: 0.3348 - accuracy:

0.9364 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9340 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9346 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9344 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9343 [=====>....] - ETA: 0s - loss: 0.3378 - accuracy:
672/750 [=====>....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9338 [=====>.] - ETA: 0s - loss: 0.3388 - accuracy:
747/750 [=====>.] - ETA: 0s - loss: 0.3388 - accuracy:
0.9337 [=====] - 1s 817us/step - loss: 0.3388 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3388 - accuracy:
0.9337 - val_loss: 0.4977 - val_accuracy: 0.8853
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.2778 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3184 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3184 - accuracy:
0.9436 [====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9327 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:
0.9337 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3383 - accuracy:
0.9329 [=====>....] - ETA: 0s - loss: 0.3398 - accuracy:
681/750 [=====>....] - ETA: 0s - loss: 0.3398 - accuracy:
0.9328 [=====>....] - 1s 826us/step - loss: 0.3396 - accuracy:
750/750 [=====>....] - 1s 826us/step - loss: 0.3396 - accuracy:
0.9326 - val_loss: 0.4969 - val_accuracy: 0.8844
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.2407 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3458 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3458 - accuracy:
0.9352 [====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3357 - accuracy:

0.9381 [.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9347
224/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9347
301/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9350
374/750 [=====>.....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9352
450/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9348
526/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9352
602/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9352
678/750 [=====>...] - ETA: 0s - loss: 0.3389 - accuracy: 0.9341
750/750 [=====] - 1s 817us/step - loss: 0.3402 - accuracy: 0.9333 - val_loss: 0.4909 - val_accuracy: 0.8877
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.4471 - accuracy: 0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9335
151/750 [====>.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9375
228/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9361
301/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy: 0.9347
375/750 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy: 0.9337
451/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy: 0.9333
526/750 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy: 0.9335
604/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9333
679/750 [=====>...] - ETA: 0s - loss: 0.3363 - accuracy: 0.9339
750/750 [=====] - 1s 814us/step - loss: 0.3385 - accuracy: 0.9333 - val_loss: 0.5158 - val_accuracy: 0.8793
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.2959 - accuracy: 0.9688
73/750 [=>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9317
145/750 [====>.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9336
220/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:

0.9338 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9356 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
0.9352 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
674/750 [=====>....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9347 [=====>....] - ETA: 0s - loss: 0.3369 - accuracy:
750/750 [=====] - 1s 822us/step - loss: 0.3369 - accuracy:
0.9339 - val_loss: 0.5021 - val_accuracy: 0.8815
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.2656 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3294 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9362 [==>.....] - ETA: 0s - loss: 0.3372 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9324 [====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9323 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9346 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9344 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9351 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
602/750 [=====>....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9350 [=====>....] - ETA: 0s - loss: 0.3372 - accuracy:
677/750 [=====>...] - ETA: 0s - loss: 0.3372 - accuracy:
0.9348 [=====>...] - ETA: 0s - loss: 0.3372 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.3372 - accuracy:
0.9344 - val_loss: 0.5025 - val_accuracy: 0.8828
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.3062 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3228 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3228 - accuracy:
0.9416 [==>.....] - ETA: 0s - loss: 0.3243 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9388 [====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy:

0.9379 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
0.9362 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
685/750 [=====>...] - ETA: 0s - loss: 0.3355 - accuracy:
0.9357 [=====>...] - ETA: 0s - loss: 0.3355 - accuracy:
750/750 [=====] - 1s 812us/step - loss: 0.3367 - accuracy:
0.9350 - val_loss: 0.4899 - val_accuracy: 0.8854
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.2700 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.2700 - accuracy:
77/750 [=>.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9330 [=>.....] - ETA: 0s - loss: 0.3414 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9328 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9347 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9341 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9345 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy:
0.9344 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9346 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.3367 - accuracy:
0.9343 [=====>...] - ETA: 0s - loss: 0.3367 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.3369 - accuracy:
0.9347 - val_loss: 0.5116 - val_accuracy: 0.8811
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.3814 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3814 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3318 - accuracy:
0.9366 [=>.....] - ETA: 0s - loss: 0.3318 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9384 [=====>.....] - ETA: 0s - loss: 0.3293 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:

0.9376 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9362 [=====>....] - ETA: 0s - loss: 0.3356 - accuracy:
746/750 [=====>.] - ETA: 0s - loss: 0.3356 - accuracy:
0.9358 [=====>.] - ETA: 0s - loss: 0.3356 - accuracy:
750/750 [=====] - 1s 821us/step - loss: 0.3356 - accuracy:
0.9358 - val_loss: 0.4986 - val_accuracy: 0.8863
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.4145 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.3291 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3291 - accuracy:
0.9385 [==>.....] - ETA: 0s - loss: 0.3311 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9365 [====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9357 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9351 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
0.9352 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
0.9349 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9351 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
672/750 [=====>....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9347 [=====>....] - ETA: 0s - loss: 0.3363 - accuracy:
746/750 [=====>.] - ETA: 0s - loss: 0.3363 - accuracy:
0.9349 [=====>.] - ETA: 0s - loss: 0.3364 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.3364 - accuracy:
0.9350 - val_loss: 0.4927 - val_accuracy: 0.8879
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.2896 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3102 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3102 - accuracy:
0.9441 [==>.....] - ETA: 0s - loss: 0.3258 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3258 - accuracy:
0.9380 [====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:

0.9359 [.....] - ETA: 0s - loss: 0.3324 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
0.9362 [.....] - ETA: 0s - loss: 0.3325 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9363 [.....] - ETA: 0s - loss: 0.3333 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9357 [.....] - ETA: 0s - loss: 0.3348 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy:
0.9354 [.....] - ETA: 0s - loss: 0.3342 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9352 [.....] - ETA: 0s - loss: 0.3361 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.3361 - accuracy:
0.9342 [.....] - 1s 821us/step - loss: 0.3361 - accuracy:
0.9342 - val_loss: 0.4949 - val_accuracy: 0.8796
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.2777 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3185 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9407 [.....] - ETA: 0s - loss: 0.3207 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9416 [.....] - ETA: 0s - loss: 0.3248 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.3248 - accuracy:
0.9402 [.....] - ETA: 0s - loss: 0.3260 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9392 [.....] - ETA: 0s - loss: 0.3282 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
0.9382 [.....] - ETA: 0s - loss: 0.3313 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9373 [.....] - ETA: 0s - loss: 0.3316 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
0.9369 [.....] - ETA: 0s - loss: 0.3316 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
0.9368 [.....] - ETA: 0s - loss: 0.3343 - accuracy:
682/750 [=====>...] - ETA: 0s - loss: 0.3343 - accuracy:
0.9361 [.....] - 1s 809us/step - loss: 0.3347 - accuracy:
750/750 [=====] - 1s 809us/step - loss: 0.3347 - accuracy:
0.9360 - val_loss: 0.5228 - val_accuracy: 0.8785
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3241 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9403 [.....] - ETA: 0s - loss: 0.3314 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9383 [.....] - ETA: 0s - loss: 0.3319 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9382 [.....] - ETA: 0s - loss: 0.3338 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy:

0.9366 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
454/750 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
0.9356 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9362 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
677/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9355 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
750/750 [=====] - 1s 818us/step - loss: 0.3361 - accuracy:
0.9351 - val_loss: 0.5027 - val_accuracy: 0.8843
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.2562 - accuracy:
0.9688 [=====>.....] - ETA: 0s - loss: 0.3152 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.3255 - accuracy:
0.9435 [=====>.....] - ETA: 0s - loss: 0.3256 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy:
0.9383 [=====>.....] - ETA: 0s - loss: 0.3321 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9367 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9354 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
599/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
674/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
748/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
750/750 [=====] - 1s 818us/step - loss: 0.3331 - accuracy:
0.9361 - val_loss: 0.5107 - val_accuracy: 0.8797
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.4368 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy:
0.9304 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9345 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy:

0.9332 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9345 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9352 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
676/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.3357 - accuracy:
0.9363 [=====] - 1s 824us/step - loss: 0.3357 - accuracy:
0.9363 - val_loss: 0.4940 - val_accuracy: 0.8896
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.4110 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3232 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3232 - accuracy:
0.9440 [==>.....] - ETA: 0s - loss: 0.3197 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.3197 - accuracy:
0.9438 [====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:
0.9352 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
682/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy:
0.9350 [=====>.....] - 1s 809us/step - loss: 0.3356 - accuracy:
750/750 [=====>.....] - 1s 809us/step - loss: 0.3356 - accuracy:
0.9354 - val_loss: 0.5044 - val_accuracy: 0.8831
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3208 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9417 [==>.....] - ETA: 0s - loss: 0.3270 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9394 [====>.....] - ETA: 0s - loss: 0.3263 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3263 - accuracy:
0.9394 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:

0.9377 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3299 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3310 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9369 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy:
678/750 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy:
750/750 [=====>.....] - 1s 822us/step - loss: 0.3328 - accuracy:
0.9363 - val_loss: 0.4993 - val_accuracy: 0.8853
Epoch 176/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
73/750 [=====>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9402 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3276 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9383 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9387 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9387 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9374 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
680/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
750/750 [=====>.....] - 1s 812us/step - loss: 0.3339 - accuracy:
0.9362 - val_loss: 0.5381 - val_accuracy: 0.8756
Epoch 177/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3734 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.3202 - accuracy:
74/750 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
0.9402 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9401 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9376 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:

0.9369 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9370 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9367 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
678/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9349 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.3354 - accuracy:
0.9340 - val_loss: 0.5108 - val_accuracy: 0.8783
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.3696 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3344 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9338 [==>.....] - ETA: 0s - loss: 0.3311 - accuracy:
152/750 [==>.....] - ETA: 0s - loss: 0.3330 - accuracy:
0.9363 [==>.....] - ETA: 0s - loss: 0.3358 - accuracy:
228/750 [==>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9373 [==>.....] - ETA: 0s - loss: 0.3335 - accuracy:
306/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9362 [==>.....] - ETA: 0s - loss: 0.3325 - accuracy:
382/750 [==>.....] - ETA: 0s - loss: 0.3334 - accuracy:
0.9348 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
458/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9350 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
536/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9358 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
611/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9362 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
674/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9365 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
743/750 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9359 [==>.....] - ETA: 0s - loss: 0.3333 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.3333 - accuracy:
0.9360 - val_loss: 0.5469 - val_accuracy: 0.8697
Epoch 179/220

1/750 [.....] - ETA: 1s - loss: 0.4272 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3365 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.3300 - accuracy:
0.9346 [=>.....] - ETA: 0s - loss: 0.3284 - accuracy:
141/750 [=>.....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9384 [=>.....] - ETA: 0s - loss: 0.3301 - accuracy:
218/750 [=>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9393 [=>.....] - ETA: 0s - loss: 0.3301 - accuracy:
289/750 [=>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9369 [=>.....] - ETA: 0s - loss: 0.3301 - accuracy:
365/750 [=>.....] - ETA: 0s - loss: 0.3301 - accuracy:

0.9369 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9351 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
660/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
735/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9351 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
750/750 [=====>.....] - 1s 832us/step - loss: 0.3340 - accuracy:
0.9351 - val_loss: 0.5353 - val_accuracy: 0.8739
Epoch 180/220

1/750 [=====>.....] - ETA: 0s - loss: 0.2565 - accuracy:
0.9688 [=====>.....] - ETA: 0s - loss: 0.3113 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.3214 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9387 [=====>.....] - ETA: 0s - loss: 0.3304 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9376 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3317 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
669/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
743/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
750/750 [=====>.....] - 1s 833us/step - loss: 0.3340 - accuracy:
0.9363 - val_loss: 0.5120 - val_accuracy: 0.8793
Epoch 181/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.3264 - accuracy:
71/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9393 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9382 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:

0.9379 [.....] - ETA: 0s - loss: 0.3283 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3283 - accuracy:
0.9389 [.....] - ETA: 0s - loss: 0.3286 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy:
0.9385 [.....] - ETA: 0s - loss: 0.3287 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9381 [.....] - ETA: 0s - loss: 0.3290 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9381 [.....] - ETA: 0s - loss: 0.3305 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9370 [.....] - ETA: 0s - loss: 0.3318 - accuracy:
735/750 [=====>.] - ETA: 0s - loss: 0.3318 - accuracy:
0.9366 [.....] - 1s 832us/step - loss: 0.3314 - accuracy:
750/750 [=====] - 1s 832us/step - loss: 0.3314 - accuracy:
0.9369 - val_loss: 0.5139 - val_accuracy: 0.8807
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3235 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3235 - accuracy:
0.9399 [.....] - ETA: 0s - loss: 0.3174 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
0.9435 [.....] - ETA: 0s - loss: 0.3179 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3179 - accuracy:
0.9424 [.....] - ETA: 0s - loss: 0.3217 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.3217 - accuracy:
0.9408 [.....] - ETA: 0s - loss: 0.3240 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3240 - accuracy:
0.9405 [.....] - ETA: 0s - loss: 0.3254 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.3254 - accuracy:
0.9403 [.....] - ETA: 0s - loss: 0.3295 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9386 [.....] - ETA: 0s - loss: 0.3305 - accuracy:
579/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9379 [.....] - ETA: 0s - loss: 0.3320 - accuracy:
651/750 [=====>....] - ETA: 0s - loss: 0.3320 - accuracy:
0.9373 [.....] - ETA: 0s - loss: 0.3315 - accuracy:
723/750 [=====>..] - ETA: 0s - loss: 0.3315 - accuracy:
0.9372 [.....] - 1s 849us/step - loss: 0.3317 - accuracy:
750/750 [=====] - 1s 849us/step - loss: 0.3317 - accuracy:
0.9370 - val_loss: 0.5115 - val_accuracy: 0.8788
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.4168 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3298 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9377 [.....] - ETA: 0s - loss: 0.3238 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
0.9395 [.....] - ETA: 0s - loss: 0.3329 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy:

0.9368 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9365 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3276 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9385 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9388 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9389 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
653/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
725/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3319 - accuracy:
0.9373 - val_loss: 0.5402 - val_accuracy: 0.8717
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.3580 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3184 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3219 - accuracy:
0.9432 [=====>.....] - ETA: 0s - loss: 0.3245 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9419 [=====>.....] - ETA: 0s - loss: 0.3268 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3310 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9384 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
663/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
736/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9371 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
750/750 [=====>.....] - 1s 844us/step - loss: 0.3322 - accuracy:
0.9374 - val_loss: 0.5017 - val_accuracy: 0.8843
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.2933 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3273 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9396 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
146/750 [=====>.....] - ETA: 0s - loss: 0.3284 - accuracy:

0.9375 [=====>.....] - ETA: 0s - loss: 0.3275 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3275 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9370 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3304 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.3304 - accuracy:
0.9373 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy:
499/750 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9374 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.3307 - accuracy:
0.9370 [=====] - 1s 854us/step - loss: 0.3317 - accuracy:
0.9365 - val_loss: 0.5785 - val_accuracy: 0.8622
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.4621 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.3308 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3381 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9320 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9362 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9365 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9365 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9366 [=====>..] - ETA: 0s - loss: 0.3327 - accuracy:
734/750 [=====>..] - ETA: 0s - loss: 0.3323 - accuracy:
0.9366 [=====] - 1s 838us/step - loss: 0.3323 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.3323 - accuracy:
0.9367 - val_loss: 0.5139 - val_accuracy: 0.8827
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3294 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3294 - accuracy:

0.9382 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9385 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy:
579/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
648/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
721/750 [=====>..] - ETA: 0s - loss: 0.3334 - accuracy:
0.9379 [=====>..] - ETA: 0s - loss: 0.3339 - accuracy:
750/750 [=====] - 1s 853us/step - loss: 0.3339 - accuracy:
0.9374 - val_loss: 0.5157 - val_accuracy: 0.8832
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.3377 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3310 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3310 - accuracy:
0.9377 [=>.....] - ETA: 0s - loss: 0.3311 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9387 [====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9369 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
503/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9369 [=====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
653/750 [=====>....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9371 [=====>....] - ETA: 0s - loss: 0.3304 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.3304 - accuracy:
0.9374 [=====>.] - ETA: 0s - loss: 0.3301 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3301 - accuracy:
0.9376 - val_loss: 0.5152 - val_accuracy: 0.8821
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.2302 - accuracy:

0.9844 [.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9371
77/750 [==>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9371
153/750 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy: 0.9355
227/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy: 0.9390
302/750 [======>.....] - ETA: 0s - loss: 0.3277 - accuracy: 0.9383
379/750 [======>.....] - ETA: 0s - loss: 0.3258 - accuracy: 0.9392
453/750 [======>.....] - ETA: 0s - loss: 0.3276 - accuracy: 0.9384
529/750 [======>.....] - ETA: 0s - loss: 0.3300 - accuracy: 0.9372
606/750 [======>.....] - ETA: 0s - loss: 0.3300 - accuracy: 0.9372
681/750 [======>...] - ETA: 0s - loss: 0.3309 - accuracy: 0.9369
750/750 [=====] - 1s 817us/step - loss: 0.3325 - accuracy: 0.9364 - val_loss: 0.5187 - val_accuracy: 0.8811
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.4728 - accuracy: 0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.3272 - accuracy: 0.9437
150/750 [=====>.....] - ETA: 0s - loss: 0.3252 - accuracy: 0.9424
224/750 [=====>.....] - ETA: 0s - loss: 0.3246 - accuracy: 0.9413
301/750 [======>.....] - ETA: 0s - loss: 0.3288 - accuracy: 0.9389
375/750 [======>.....] - ETA: 0s - loss: 0.3281 - accuracy: 0.9394
450/750 [======>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9381
526/750 [======>.....] - ETA: 0s - loss: 0.3308 - accuracy: 0.9379
601/750 [======>.....] - ETA: 0s - loss: 0.3318 - accuracy: 0.9372
676/750 [======>...] - ETA: 0s - loss: 0.3315 - accuracy: 0.9373
750/750 [=====] - 1s 818us/step - loss: 0.3301 - accuracy: 0.9379 - val_loss: 0.4993 - val_accuracy: 0.8847
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.3877 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.3418 - accuracy:

0.9347 [.....] - ETA: 0s - loss: 0.3277 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9388 [.....] - ETA: 0s - loss: 0.3263 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9386 [.....] - ETA: 0s - loss: 0.3284 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9387 [.....] - ETA: 0s - loss: 0.3281 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9387 [.....] - ETA: 0s - loss: 0.3280 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
0.9384 [.....] - ETA: 0s - loss: 0.3281 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9386 [.....] - ETA: 0s - loss: 0.3280 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
0.9388 [.....] - ETA: 0s - loss: 0.3281 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9385 - val_loss: 0.5459 - val_accuracy: 0.8751
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.2611 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3253 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9422 [.....] - ETA: 0s - loss: 0.3227 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9435 [.....] - ETA: 0s - loss: 0.3309 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3317 - accuracy:
0.9420 [.....] - ETA: 0s - loss: 0.3319 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9378 [.....] - ETA: 0s - loss: 0.3294 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3285 - accuracy:
0.9370 [.....] - ETA: 0s - loss: 0.3289 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.2882 - accuracy:
0.9370 [.....] - ETA: 0s - loss: 0.2882 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.2882 - accuracy:
0.9365 [.....] - ETA: 0s - loss: 0.2882 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.2882 - accuracy:
0.9367 [.....] - ETA: 0s - loss: 0.2882 - accuracy:
674/750 [=====>....] - ETA: 0s - loss: 0.2882 - accuracy:
0.9371 [.....] - ETA: 0s - loss: 0.2882 - accuracy:
748/750 [=====>.] - ETA: 0s - loss: 0.2882 - accuracy:
0.9371 [.....] - ETA: 0s - loss: 0.2882 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.3289 - accuracy:
0.9369 - val_loss: 0.5580 - val_accuracy: 0.8686
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.2882 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.3398 - accuracy:
74/750 [= >.....] - ETA: 0s - loss: 0.3398 - accuracy:
0.9367 [.....] - ETA: 0s - loss: 0.3334 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3334 - accuracy:
0.9381 [.....] - ETA: 0s - loss: 0.3327 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9374 [.....] - ETA: 0s - loss: 0.3317 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3317 - accuracy:
0.9376 [.....] - ETA: 0s - loss: 0.3301 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9378 [.....] - ETA: 0s - loss: 0.3296 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9381 [.....] - ETA: 0s - loss: 0.3308 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9373 [.....] - ETA: 0s - loss: 0.3307 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9370 [.....] - ETA: 0s - loss: 0.3307 - accuracy:
657/750 [=====>....] - ETA: 0s - loss: 0.3310 - accuracy:
0.9369 [.....] - ETA: 0s - loss: 0.3311 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.3311 - accuracy:
0.9366 [.....] - 1s 834us/step - loss: 0.3311 - accuracy:
750/750 [=====>] - 1s 834us/step - loss: 0.3311 - accuracy:
0.9366 - val_loss: 0.5080 - val_accuracy: 0.8821
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3072 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3204 - accuracy:
77/750 [= >.....] - ETA: 0s - loss: 0.3204 - accuracy:
0.9420 [.....] - ETA: 0s - loss: 0.3324 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.3324 - accuracy:
0.9388 [.....] - ETA: 0s - loss: 0.3266 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9401 [.....] - ETA: 0s - loss: 0.3247 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.3247 - accuracy:
0.9406 [.....] - ETA: 0s - loss: 0.3237 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9406 [.....] - ETA: 0s - loss: 0.3272 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.3272 - accuracy:
0.9393 [.....] - ETA: 0s - loss: 0.3295 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9377 [.....] - ETA: 0s - loss: 0.3291 - accuracy:
602/750 [=====>....] - ETA: 0s - loss: 0.3291 - accuracy:
0.9380 [.....] - ETA: 0s - loss: 0.3298 - accuracy:
674/750 [=====>....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9380 [.....] - ETA: 0s - loss: 0.3297 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.3297 - accuracy:
0.9384 [.....] - 1s 840us/step - loss: 0.3295 - accuracy:
750/750 [=====>] - 1s 840us/step - loss: 0.3295 - accuracy:
0.9384 - val_loss: 0.5240 - val_accuracy: 0.8802
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.3021 - accuracy: 0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.3065 - accuracy: 0.9483
151/750 [=====>.....] - ETA: 0s - loss: 0.3165 - accuracy: 0.9437
224/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy: 0.9386
297/750 [======>.....] - ETA: 0s - loss: 0.3342 - accuracy: 0.9379
373/750 [======>.....] - ETA: 0s - loss: 0.3329 - accuracy: 0.9378
444/750 [======>.....] - ETA: 0s - loss: 0.3331 - accuracy: 0.9372
516/750 [======>.....] - ETA: 0s - loss: 0.3347 - accuracy: 0.9369
590/750 [======>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9374
665/750 [======>....] - ETA: 0s - loss: 0.3334 - accuracy: 0.9373
740/750 [======>.] - ETA: 0s - loss: 0.3335 - accuracy: 0.9378
750/750 [=====] - 1s 830us/step - loss: 0.3339 - accuracy: 0.9376 - val_loss: 0.5013 - val_accuracy: 0.8840
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.2903 - accuracy: 0.9688
76/750 [==>.....] - ETA: 0s - loss: 0.3303 - accuracy: 0.9391
152/750 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy: 0.9421
227/750 [=====>.....] - ETA: 0s - loss: 0.3191 - accuracy: 0.9423
301/750 [======>.....] - ETA: 0s - loss: 0.3243 - accuracy: 0.9408
375/750 [======>.....] - ETA: 0s - loss: 0.3273 - accuracy: 0.9389
448/750 [======>.....] - ETA: 0s - loss: 0.3261 - accuracy: 0.9388
521/750 [======>.....] - ETA: 0s - loss: 0.3282 - accuracy: 0.9384
598/750 [======>.....] - ETA: 0s - loss: 0.3296 - accuracy: 0.9379
674/750 [======>....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9375
748/750 [======>.] - ETA: 0s - loss: 0.3296 - accuracy: 0.9381
750/750 [=====] - 1s 830us/step - loss: 0.3298 - accuracy:

0.9381 - val_loss: 0.5413 - val_accuracy: 0.8758
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.3623 - accuracy:
0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.3253 - accuracy:
0.9403
145/750 [====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9395
217/750 [=====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
0.9403
292/750 [======>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9390
364/750 [======>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9395
438/750 [======>.....] - ETA: 0s - loss: 0.3318 - accuracy:
0.9385
513/750 [======>.....] - ETA: 0s - loss: 0.3285 - accuracy:
0.9402
588/750 [======>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9389
664/750 [======>....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9390
738/750 [======>.] - ETA: 0s - loss: 0.3293 - accuracy:
0.9391
750/750 [=====] - 1s 829us/step - loss: 0.3296 - accuracy:
0.9390 - val_loss: 0.4985 - val_accuracy: 0.8846
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.3181 - accuracy:
0.9531
74/750 [=>.....] - ETA: 0s - loss: 0.3187 - accuracy:
0.9398
148/750 [====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
0.9329
222/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9359
297/750 [======>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9363
375/750 [======>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9343
448/750 [======>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9345
524/750 [======>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9359
601/750 [======>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9364
675/750 [======>....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9370
750/750 [=====] - 1s 820us/step - loss: 0.3322 - accuracy:

0.9366 - val_loss: 0.5098 - val_accuracy: 0.8819
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.3021 - accuracy:
0.9375
74/750 [=>.....] - ETA: 0s - loss: 0.3253 - accuracy:
0.9415
147/750 [====>.....] - ETA: 0s - loss: 0.3202 - accuracy:
0.9427
223/750 [=====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
0.9434
301/750 [======>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9432
375/750 [======>.....] - ETA: 0s - loss: 0.3226 - accuracy:
0.9419
450/750 [======>.....] - ETA: 0s - loss: 0.3236 - accuracy:
0.9413
526/750 [======>.....] - ETA: 0s - loss: 0.3259 - accuracy:
0.9408
601/750 [======>.....] - ETA: 0s - loss: 0.3254 - accuracy:
0.9405
676/750 [======>...] - ETA: 0s - loss: 0.3261 - accuracy:
0.9405
750/750 [=====] - 1s 820us/step - loss: 0.3283 - accuracy:
0.9390 - val_loss: 0.5171 - val_accuracy: 0.8822
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.3980 - accuracy:
0.9375
74/750 [=>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9411
148/750 [====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9447
218/750 [=====>.....] - ETA: 0s - loss: 0.3222 - accuracy:
0.9444
272/750 [=====>.....] - ETA: 0s - loss: 0.3246 - accuracy:
0.9429
342/750 [======>.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9427
417/750 [======>.....] - ETA: 0s - loss: 0.3258 - accuracy:
0.9415
493/750 [======>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9393
561/750 [======>.....] - ETA: 0s - loss: 0.3304 - accuracy:
0.9392
637/750 [======>.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9391
711/750 [======>..] - ETA: 0s - loss: 0.3310 - accuracy:
0.9390
750/750 [=====] - 1s 850us/step - loss: 0.3306 - accuracy:

0.9390 - val_loss: 0.5090 - val_accuracy: 0.8827
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.3263 - accuracy:
0.9421
148/750 [====>.....] - ETA: 0s - loss: 0.3212 - accuracy:
0.9431
222/750 [=====>.....] - ETA: 0s - loss: 0.3203 - accuracy:
0.9431
296/750 [======>.....] - ETA: 0s - loss: 0.3202 - accuracy:
0.9430
368/750 [======>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9435
445/750 [======>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9420
519/750 [======>.....] - ETA: 0s - loss: 0.3239 - accuracy:
0.9411
592/750 [======>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9407
669/750 [======>....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9400
744/750 [======>.] - ETA: 0s - loss: 0.3287 - accuracy:
0.9391
750/750 [=====] - 1s 822us/step - loss: 0.3285 - accuracy:
0.9391 - val_loss: 0.5132 - val_accuracy: 0.8844
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.3493 - accuracy:
0.8906
76/750 [=>.....] - ETA: 0s - loss: 0.3321 - accuracy:
0.9381
152/750 [====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9380
227/750 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy:
0.9393
303/750 [======>.....] - ETA: 0s - loss: 0.3268 - accuracy:
0.9405
380/750 [======>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9388
454/750 [======>.....] - ETA: 0s - loss: 0.3272 - accuracy:
0.9394
530/750 [======>.....] - ETA: 0s - loss: 0.3278 - accuracy:
0.9395
607/750 [======>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9387
682/750 [======>....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9390
750/750 [=====] - 1s 817us/step - loss: 0.3294 - accuracy:

0.9389 - val_loss: 0.5204 - val_accuracy: 0.8827
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.3205 - accuracy:
0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.3247 - accuracy:
0.9390
147/750 [====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9386
222/750 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
0.9407
299/750 [======>.....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9391
372/750 [======>.....] - ETA: 0s - loss: 0.3304 - accuracy:
0.9388
447/750 [======>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9396
524/750 [======>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9395
599/750 [======>.....] - ETA: 0s - loss: 0.3299 - accuracy:
0.9385
673/750 [======>....] - ETA: 0s - loss: 0.3300 - accuracy:
0.9384
748/750 [======>.] - ETA: 0s - loss: 0.3292 - accuracy:
0.9385
750/750 [=====] - 1s 817us/step - loss: 0.3293 - accuracy:
0.9385 - val_loss: 0.5489 - val_accuracy: 0.8685
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.2919 - accuracy:
0.9688
75/750 [=>.....] - ETA: 0s - loss: 0.3076 - accuracy:
0.9523
150/750 [====>.....] - ETA: 0s - loss: 0.3222 - accuracy:
0.9433
226/750 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9444
301/750 [======>.....] - ETA: 0s - loss: 0.3218 - accuracy:
0.9427
376/750 [======>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9416
451/750 [======>.....] - ETA: 0s - loss: 0.3240 - accuracy:
0.9412
526/750 [======>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9400
601/750 [======>.....] - ETA: 0s - loss: 0.3271 - accuracy:
0.9394
675/750 [======>....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9396
749/750 [======>.] - ETA: 0s - loss: 0.3263 - accuracy:

0.9395
750/750 [=====] - 1s 817us/step - loss: 0.3262 - accuracy:
0.9396 - val_loss: 0.5150 - val_accuracy: 0.8809
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.2881 - accuracy:
0.9531
76/750 [==>.....] - ETA: 0s - loss: 0.3079 - accuracy:
0.9472
151/750 [=====>.....] - ETA: 0s - loss: 0.3184 - accuracy:
0.9441
225/750 [=====>.....] - ETA: 0s - loss: 0.3224 - accuracy:
0.9416
302/750 [======>.....] - ETA: 0s - loss: 0.3195 - accuracy:
0.9430
375/750 [======>.....] - ETA: 0s - loss: 0.3202 - accuracy:
0.9424
450/750 [======>.....] - ETA: 0s - loss: 0.3197 - accuracy:
0.9428
523/750 [======>.....] - ETA: 0s - loss: 0.3223 - accuracy:
0.9423
597/750 [======>.....] - ETA: 0s - loss: 0.3254 - accuracy:
0.9409
672/750 [======>....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9398
745/750 [======>.] - ETA: 0s - loss: 0.3258 - accuracy:
0.9397
750/750 [=====] - 1s 820us/step - loss: 0.3258 - accuracy:
0.9397 - val_loss: 0.5233 - val_accuracy: 0.8825
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.3052 - accuracy:
0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.3271 - accuracy:
0.9383
151/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9356
227/750 [=====>.....] - ETA: 0s - loss: 0.3309 - accuracy:
0.9381
299/750 [======>.....] - ETA: 0s - loss: 0.3285 - accuracy:
0.9388
375/750 [======>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9390
450/750 [======>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9377
525/750 [======>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9378
600/750 [======>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9378
676/750 [======>....] - ETA: 0s - loss: 0.3328 - accuracy:

0.9376 [=====] - ETA: 0s - loss: 0.3319 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.3319 - accuracy:
0.9380 [=====] - 1s 817us/step - loss: 0.3319 - accuracy:
0.9380 - val_loss: 0.5146 - val_accuracy: 0.8787
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.2592 - accuracy:
0.9844 [==>.....] - ETA: 0s - loss: 0.3052 - accuracy:
0.9484 [====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
0.9423 [=====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
0.9423 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3222 - accuracy:
0.9417 [=====>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9406 [=====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
0.9409 [=====>.....] - ETA: 0s - loss: 0.3249 - accuracy:
0.9404 [=====>.....] - ETA: 0s - loss: 0.3262 - accuracy:
0.9398 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
750/750 [=====] - 1s 818us/step - loss: 0.3251 - accuracy:
0.9398 - val_loss: 0.5236 - val_accuracy: 0.8783
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.2580 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3171 - accuracy:
0.9453 [====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
0.9450 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
0.9428 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
0.9445 [=====>.....] - ETA: 0s - loss: 0.3167 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
0.9434 [=====>.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9421 [=====>.....] - ETA: 0s - loss: 0.3218 - accuracy:
0.9416 [=====>.....] - ETA: 0s - loss: 0.3246 - accuracy:
675/750 [=====>.....] - ETA: 0s - loss: 0.3246 - accuracy:

0.9405
750/750 [=====] - 1s 820us/step - loss: 0.3266 - accuracy:
0.9395 - val_loss: 0.5222 - val_accuracy: 0.8820
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.4065 - accuracy:
0.9531
78/750 [==>.....] - ETA: 0s - loss: 0.3110 - accuracy:
0.9455
153/750 [====>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9428
228/750 [=====>.....] - ETA: 0s - loss: 0.3227 - accuracy:
0.9419
302/750 [=====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9417
375/750 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
0.9414
451/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9399
524/750 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9400
598/750 [=====>.....] - ETA: 0s - loss: 0.3268 - accuracy:
0.9397
673/750 [=====>....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9382
748/750 [=====>.] - ETA: 0s - loss: 0.3280 - accuracy:
0.9387
750/750 [=====] - 1s 820us/step - loss: 0.3280 - accuracy:
0.9387 - val_loss: 0.5085 - val_accuracy: 0.8841
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.5145 - accuracy:
0.8438
75/750 [==>.....] - ETA: 0s - loss: 0.3127 - accuracy:
0.9446
149/750 [====>.....] - ETA: 0s - loss: 0.3206 - accuracy:
0.9415
225/750 [=====>.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9396
299/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9401
375/750 [=====>.....] - ETA: 0s - loss: 0.3255 - accuracy:
0.9395
449/750 [=====>.....] - ETA: 0s - loss: 0.3269 - accuracy:
0.9380
525/750 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9384
602/750 [=====>.....] - ETA: 0s - loss: 0.3256 - accuracy:
0.9390
677/750 [=====>....] - ETA: 0s - loss: 0.3265 - accuracy:

0.9387
750/750 [=====] - 1s 816us/step - loss: 0.3272 - accuracy:
0.9388 - val_loss: 0.5172 - val_accuracy: 0.8827
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.2580 - accuracy:
0.9844
77/750 [==>.....] - ETA: 0s - loss: 0.3312 - accuracy:
0.9395
151/750 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
0.9404
223/750 [=====>.....] - ETA: 0s - loss: 0.3235 - accuracy:
0.9418
300/750 [======>.....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9401
372/750 [======>.....] - ETA: 0s - loss: 0.3247 - accuracy:
0.9404
449/750 [======>.....] - ETA: 0s - loss: 0.3259 - accuracy:
0.9402
523/750 [======>.....] - ETA: 0s - loss: 0.3276 - accuracy:
0.9397
597/750 [======>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9388
673/750 [======>....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9394
744/750 [======>.] - ETA: 0s - loss: 0.3271 - accuracy:
0.9398
750/750 [=====] - 1s 822us/step - loss: 0.3279 - accuracy:
0.9395 - val_loss: 0.5746 - val_accuracy: 0.8664
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.2949 - accuracy:
0.9531
75/750 [==>.....] - ETA: 0s - loss: 0.3231 - accuracy:
0.9438
150/750 [=====>.....] - ETA: 0s - loss: 0.3249 - accuracy:
0.9420
224/750 [=====>.....] - ETA: 0s - loss: 0.3225 - accuracy:
0.9425
300/750 [======>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9395
375/750 [======>.....] - ETA: 0s - loss: 0.3304 - accuracy:
0.9387
449/750 [======>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9386
524/750 [======>.....] - ETA: 0s - loss: 0.3286 - accuracy:
0.9391
598/750 [======>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9400
671/750 [======>....] - ETA: 0s - loss: 0.3266 - accuracy:

0.9400
746/750 [=====>.] - ETA: 0s - loss: 0.3265 - accuracy:
0.9399
750/750 [=====] - 1s 822us/step - loss: 0.3266 - accuracy:
0.9399 - val_loss: 0.5399 - val_accuracy: 0.8726
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.3722 - accuracy:
0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.3132 - accuracy:
0.9457
149/750 [====>.....] - ETA: 0s - loss: 0.3213 - accuracy:
0.9424
224/750 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
0.9425
300/750 [======>.....] - ETA: 0s - loss: 0.3240 - accuracy:
0.9402
374/750 [======>.....] - ETA: 0s - loss: 0.3229 - accuracy:
0.9406
448/750 [======>.....] - ETA: 0s - loss: 0.3256 - accuracy:
0.9392
522/750 [======>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9394
597/750 [======>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9385
672/750 [======>....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9384
745/750 [======>.] - ETA: 0s - loss: 0.3281 - accuracy:
0.9388
750/750 [=====] - 1s 818us/step - loss: 0.3283 - accuracy:
0.9387 - val_loss: 0.5140 - val_accuracy: 0.8804
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.2841 - accuracy:
0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.3122 - accuracy:
0.9450
151/750 [====>.....] - ETA: 0s - loss: 0.3106 - accuracy:
0.9468
225/750 [=====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
0.9449
300/750 [======>.....] - ETA: 0s - loss: 0.3189 - accuracy:
0.9435
375/750 [======>.....] - ETA: 0s - loss: 0.3206 - accuracy:
0.9428
450/750 [======>.....] - ETA: 0s - loss: 0.3200 - accuracy:
0.9426
523/750 [======>.....] - ETA: 0s - loss: 0.3222 - accuracy:
0.9414
599/750 [======>.....] - ETA: 0s - loss: 0.3240 - accuracy:

0.9407 [=====>....] - ETA: 0s - loss: 0.3242 - accuracy:
674/750 [=====>....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9408 [=====>....] - ETA: 0s - loss: 0.3249 - accuracy:
746/750 [=====>....] - ETA: 0s - loss: 0.3249 - accuracy:
0.9402 [=====] - 1s 818us/step - loss: 0.3249 - accuracy:
750/750 [=====] - 1s 818us/step - loss: 0.3249 - accuracy:
0.9402 - val_loss: 0.5144 - val_accuracy: 0.8864
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.2949 - accuracy:
0.9688 [==>.....] - ETA: 0s - loss: 0.3154 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3154 - accuracy:
0.9420 [====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9418 [====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
227/750 [====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9405 [====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
303/750 [====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
0.9407 [====>.....] - ETA: 0s - loss: 0.3246 - accuracy:
377/750 [====>.....] - ETA: 0s - loss: 0.3246 - accuracy:
0.9406 [====>.....] - ETA: 0s - loss: 0.3223 - accuracy:
451/750 [====>.....] - ETA: 0s - loss: 0.3223 - accuracy:
0.9413 [====>.....] - ETA: 0s - loss: 0.3240 - accuracy:
528/750 [====>.....] - ETA: 0s - loss: 0.3240 - accuracy:
0.9408 [====>.....] - ETA: 0s - loss: 0.3234 - accuracy:
602/750 [====>.....] - ETA: 0s - loss: 0.3234 - accuracy:
0.9414 [====>.....] - ETA: 0s - loss: 0.3232 - accuracy:
677/750 [====>.....] - ETA: 0s - loss: 0.3232 - accuracy:
0.9417 [====>.....] - 1s 816us/step - loss: 0.3259 - accuracy:
750/750 [====>.....] - 1s 816us/step - loss: 0.3259 - accuracy:
0.9409 - val_loss: 0.4927 - val_accuracy: 0.8868
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.2870 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.2997 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.2997 - accuracy:
0.9517 [====>.....] - ETA: 0s - loss: 0.3199 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3199 - accuracy:
0.9456 [====>.....] - ETA: 0s - loss: 0.3157 - accuracy:
226/750 [====>.....] - ETA: 0s - loss: 0.3157 - accuracy:
0.9453 [====>.....] - ETA: 0s - loss: 0.3182 - accuracy:
298/750 [====>.....] - ETA: 0s - loss: 0.3182 - accuracy:
0.9437 [====>.....] - ETA: 0s - loss: 0.3191 - accuracy:
374/750 [====>.....] - ETA: 0s - loss: 0.3191 - accuracy:
0.9441 [====>.....] - ETA: 0s - loss: 0.3196 - accuracy:
447/750 [====>.....] - ETA: 0s - loss: 0.3196 - accuracy:
0.9440 [====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
522/750 [====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
0.9436 [====>.....] - ETA: 0s - loss: 0.3216 - accuracy:
598/750 [====>.....] - ETA: 0s - loss: 0.3216 - accuracy:

0.9427 [=====] - ETA: 0s - loss: 0.3233 - accuracy:
672/750 [=====>....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9418 [=====] - ETA: 0s - loss: 0.3231 - accuracy:
748/750 [=====>.] - ETA: 0s - loss: 0.3231 - accuracy:
0.9415 [=====] - ETA: 1s 817us/step - loss: 0.3233 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.3233 - accuracy:
0.9415 - val_loss: 0.5156 - val_accuracy: 0.8838
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.2960 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3208 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9422 [.....] - ETA: 0s - loss: 0.3167 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.3167 - accuracy:
0.9437 [.....] - ETA: 0s - loss: 0.3164 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
0.9426 [.....] - ETA: 0s - loss: 0.3257 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.3257 - accuracy:
0.9401 [.....] - ETA: 0s - loss: 0.3253 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.3253 - accuracy:
0.9407 [.....] - ETA: 0s - loss: 0.3272 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.3272 - accuracy:
0.9396 [.....] - ETA: 0s - loss: 0.3267 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.3267 - accuracy:
0.9391 [.....] - ETA: 0s - loss: 0.3275 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.3275 - accuracy:
0.9387 [.....] - ETA: 0s - loss: 0.3280 - accuracy:
678/750 [=====>...] - ETA: 0s - loss: 0.3280 - accuracy:
0.9383 [.....] - ETA: 0s - loss: 0.3296 - accuracy:
750/750 [=====] - ETA: 0s - loss: 0.3296 - accuracy:
0.9379 [.....] - ETA: 1s 836us/step - loss: 0.3296 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3296 - accuracy:
0.9379 - val_loss: 0.5133 - val_accuracy: 0.8863
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3225 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3225 - accuracy:
0.9421 [.....] - ETA: 0s - loss: 0.3219 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3219 - accuracy:
0.9410 [.....] - ETA: 0s - loss: 0.3185 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9414 [.....] - ETA: 0s - loss: 0.3225 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3225 - accuracy:
0.9403 [.....] - ETA: 0s - loss: 0.3220 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9397 [.....] - ETA: 0s - loss: 0.3227 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3227 - accuracy:
0.9396 [.....] - ETA: 0s - loss: 0.3215 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:

0.9404 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
0.9402 [=====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.3238 - accuracy:
0.9397 [=====>....] - ETA: 0s - loss: 0.3255 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.3255 - accuracy:
0.9388 [=====] - ETA: 1s 826us/step - loss: 0.3257 - accuracy:
750/750 [=====] - ETA: 1s 826us/step - loss: 0.3257 - accuracy:
0.9388 - val_loss: 0.5844 - val_accuracy: 0.8592
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.3869 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3343 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9332 [=>.....] - ETA: 0s - loss: 0.3322 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3291 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3291 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9384 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
0.9390 [=====>.....] - ETA: 0s - loss: 0.3252 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.3252 - accuracy:
0.9395 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9393 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9392 [=====>....] - ETA: 0s - loss: 0.3268 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.3268 - accuracy:
0.9392 [=====>.] - ETA: 1s 829us/step - loss: 0.3268 - accuracy:
750/750 [=====>.] - ETA: 1s 829us/step - loss: 0.3268 - accuracy:
0.9393 - val_loss: 0.5093 - val_accuracy: 0.8834
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.4404 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3302 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9377 [=>.....] - ETA: 0s - loss: 0.3317 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.3317 - accuracy:
0.9382 [=====>.....] - ETA: 0s - loss: 0.3216 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3216 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3227 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.3227 - accuracy:
0.9413 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
0.9421 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:

```

0.9418
521/750 [=====>.....] - ETA: 0s - loss: 0.3244 - accuracy:
0.9411
596/750 [=====>.....] - ETA: 0s - loss: 0.3264 - accuracy:
0.9401
672/750 [=====>....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9400
743/750 [=====>.] - ETA: 0s - loss: 0.3271 - accuracy:
0.9399
750/750 [=====] - 1s 826us/step - loss: 0.3267 - accuracy:
0.9400 - val_loss: 0.5068 - val_accuracy: 0.8867

```

```

1/313 [.....] - ETA: 3s - loss: 0.4295 - accuracy:
0.9062
107/313 [=====>.....] - ETA: 0s - loss: 0.5261 - accuracy:
0.8841
216/313 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8776
313/313 [=====] - 0s 468us/step - loss: 0.5340 - accuracy:
0.8779
Testing loss: 0.5339998006820679
Testing accuracy: 87.79000043869019%

```

Running for Model 5/12

Model: "sequential_5"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 40)	31400
hidden1 (Dense)	(None, 40)	1640
hidden2 (Dense)	(None, 40)	1640
hidden3 (Dense)	(None, 40)	1640
hidden4 (Dense)	(None, 40)	1640
hidden5 (Dense)	(None, 40)	1640
output_layer (Dense)	(None, 10)	410
Total params: 40,010		
Trainable params: 40,010		
Non-trainable params: 0		

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.01 and


```
L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 40,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
40, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden5', 'size': 40,
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}]
```

Epoch 1/220

```
1/750 [.....] - ETA: 2:19 - loss: 2.5915 - accuracy:
0.0938
80/750 [==>.....] - ETA: 0s - loss: 2.5760 - accuracy: 0.1027
163/750 [=====>.....] - ETA: 0s - loss: 2.5339 - accuracy:
0.1665
243/750 [=====>.....] - ETA: 0s - loss: 2.4474 - accuracy:
0.2036
324/750 [======>.....] - ETA: 0s - loss: 2.3166 - accuracy:
0.2551
410/750 [======>.....] - ETA: 0s - loss: 2.1616 - accuracy:
0.3171
491/750 [======>.....] - ETA: 0s - loss: 2.0246 - accuracy:
0.3690
574/750 [======>.....] - ETA: 0s - loss: 1.9093 - accuracy:
0.4103
659/750 [======>....] - ETA: 0s - loss: 1.8108 - accuracy:
0.4448
740/750 [======>.] - ETA: 0s - loss: 1.7305 - accuracy:
0.4739
750/750 [=====] - 1s 861us/step - loss: 1.7222 - accuracy:
0.4768 - val_loss: 1.0532 - val_accuracy: 0.7131
```

Epoch 2/220

```
1/750 [.....] - ETA: 0s - loss: 1.0187 - accuracy:
0.7031
78/750 [==>.....] - ETA: 0s - loss: 1.0281 - accuracy:
0.7284
159/750 [=====>.....] - ETA: 0s - loss: 1.0345 - accuracy:
0.7265
243/750 [=====>.....] - ETA: 0s - loss: 1.0313 - accuracy:
0.7279
325/750 [======>.....] - ETA: 0s - loss: 1.0202 - accuracy:
0.7324
408/750 [======>.....] - ETA: 0s - loss: 1.0105 - accuracy:
0.7355
494/750 [======>.....] - ETA: 0s - loss: 0.9997 - accuracy:
0.7391
574/750 [======>.....] - ETA: 0s - loss: 0.9891 - accuracy:
0.7429
```

656/750 [=====>....] - ETA: 0s - loss: 0.9787 - accuracy:
0.7467
740/750 [=====>.] - ETA: 0s - loss: 0.9716 - accuracy:
0.7487
750/750 [=====] - 1s 748us/step - loss: 0.9708 - accuracy:
0.7491 - val_loss: 0.9119 - val_accuracy: 0.7635
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 0.8135 - accuracy:
0.7969
83/750 [==>.....] - ETA: 0s - loss: 0.9081 - accuracy:
0.7786
164/750 [====>.....] - ETA: 0s - loss: 0.9080 - accuracy:
0.7757
253/750 [=====>.....] - ETA: 0s - loss: 0.8979 - accuracy:
0.7794
339/750 [=====>.....] - ETA: 0s - loss: 0.8886 - accuracy:
0.7819
427/750 [=====>.....] - ETA: 0s - loss: 0.8859 - accuracy:
0.7838
515/750 [=====>.....] - ETA: 0s - loss: 0.8797 - accuracy:
0.7863
598/750 [=====>.....] - ETA: 0s - loss: 0.8740 - accuracy:
0.7887
684/750 [=====>...] - ETA: 0s - loss: 0.8715 - accuracy:
0.7900
750/750 [=====] - 1s 721us/step - loss: 0.8690 - accuracy:
0.7912 - val_loss: 0.8476 - val_accuracy: 0.8021
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 0.9071 - accuracy:
0.7969
83/750 [==>.....] - ETA: 0s - loss: 0.8177 - accuracy:
0.8112
170/750 [====>.....] - ETA: 0s - loss: 0.8219 - accuracy:
0.8113
259/750 [=====>.....] - ETA: 0s - loss: 0.8199 - accuracy:
0.8108
344/750 [=====>.....] - ETA: 0s - loss: 0.8158 - accuracy:
0.8126
431/750 [=====>.....] - ETA: 0s - loss: 0.8126 - accuracy:
0.8139
520/750 [=====>.....] - ETA: 0s - loss: 0.8111 - accuracy:
0.8136
604/750 [=====>.....] - ETA: 0s - loss: 0.8104 - accuracy:
0.8143
688/750 [=====>...] - ETA: 0s - loss: 0.8124 - accuracy:
0.8131
750/750 [=====] - 1s 718us/step - loss: 0.8120 - accuracy:
0.8133 - val_loss: 0.7883 - val_accuracy: 0.8249

Epoch 5/220

```
1/750 [.....] - ETA: 0s - loss: 0.9971 - accuracy:
0.7344
90/750 [==>.....] - ETA: 0s - loss: 0.7966 - accuracy:
0.8196
174/750 [====>.....] - ETA: 0s - loss: 0.7879 - accuracy:
0.8207
259/750 [=====>.....] - ETA: 0s - loss: 0.7881 - accuracy:
0.8190
344/750 [======>.....] - ETA: 0s - loss: 0.7814 - accuracy:
0.8227
429/750 [======>.....] - ETA: 0s - loss: 0.7859 - accuracy:
0.8203
516/750 [======>.....] - ETA: 0s - loss: 0.7809 - accuracy:
0.8232
596/750 [======>.....] - ETA: 0s - loss: 0.7807 - accuracy:
0.8230
681/750 [======>...] - ETA: 0s - loss: 0.7780 - accuracy:
0.8245
750/750 [=====] - 1s 722us/step - loss: 0.7776 - accuracy:
0.8236 - val_loss: 0.7928 - val_accuracy: 0.8185
Epoch 6/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6665 - accuracy:
0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.7552 - accuracy:
0.8278
172/750 [====>.....] - ETA: 0s - loss: 0.7581 - accuracy:
0.8251
256/750 [=====>.....] - ETA: 0s - loss: 0.7633 - accuracy:
0.8271
343/750 [======>.....] - ETA: 0s - loss: 0.7588 - accuracy:
0.8282
429/750 [======>.....] - ETA: 0s - loss: 0.7569 - accuracy:
0.8293
516/750 [======>.....] - ETA: 0s - loss: 0.7565 - accuracy:
0.8294
597/750 [======>.....] - ETA: 0s - loss: 0.7551 - accuracy:
0.8302
683/750 [======>...] - ETA: 0s - loss: 0.7526 - accuracy:
0.8308
750/750 [=====] - 1s 720us/step - loss: 0.7503 - accuracy:
0.8322 - val_loss: 0.7421 - val_accuracy: 0.8357
Epoch 7/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6364 - accuracy:
0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.7167 - accuracy:
0.8404
```

174/750 [====>.....] - ETA: 0s - loss: 0.7283 - accuracy: 0.8371
261/750 [=====>.....] - ETA: 0s - loss: 0.7295 - accuracy: 0.8357
350/750 [=====>.....] - ETA: 0s - loss: 0.7333 - accuracy: 0.8350
434/750 [=====>.....] - ETA: 0s - loss: 0.7324 - accuracy: 0.8357
519/750 [=====>.....] - ETA: 0s - loss: 0.7297 - accuracy: 0.8361
605/750 [=====>.....] - ETA: 0s - loss: 0.7285 - accuracy: 0.8369
695/750 [=====>...] - ETA: 0s - loss: 0.7273 - accuracy: 0.8381
750/750 [=====>] - 1s 713us/step - loss: 0.7264 - accuracy: 0.8385 - val_loss: 0.7317 - val_accuracy: 0.8374
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 0.8089 - accuracy: 0.8125
84/750 [==>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.8545
165/750 [====>.....] - ETA: 0s - loss: 0.7023 - accuracy: 0.8480
252/750 [=====>.....] - ETA: 0s - loss: 0.7101 - accuracy: 0.8447
341/750 [=====>.....] - ETA: 0s - loss: 0.7117 - accuracy: 0.8448
426/750 [=====>.....] - ETA: 0s - loss: 0.7111 - accuracy: 0.8459
513/750 [=====>.....] - ETA: 0s - loss: 0.7137 - accuracy: 0.8448
601/750 [=====>.....] - ETA: 0s - loss: 0.7128 - accuracy: 0.8446
688/750 [=====>...] - ETA: 0s - loss: 0.7079 - accuracy: 0.8464
750/750 [=====>] - 1s 716us/step - loss: 0.7068 - accuracy: 0.8465 - val_loss: 0.7142 - val_accuracy: 0.8413
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.7331 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.7112 - accuracy: 0.8427
175/750 [====>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.8462
261/750 [=====>.....] - ETA: 0s - loss: 0.6945 - accuracy: 0.8481
347/750 [=====>.....] - ETA: 0s - loss: 0.6971 - accuracy: 0.8461

433/750 [=====>.....] - ETA: 0s - loss: 0.6963 - accuracy: 0.8462
518/750 [=====>.....] - ETA: 0s - loss: 0.6945 - accuracy: 0.8475
605/750 [=====>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.8487
690/750 [=====>...] - ETA: 0s - loss: 0.6904 - accuracy: 0.8484
750/750 [=====] - 1s 713us/step - loss: 0.6908 - accuracy: 0.8485 - val_loss: 0.6805 - val_accuracy: 0.8526
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.7844 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.6694 - accuracy: 0.8552
178/750 [=====>.....] - ETA: 0s - loss: 0.6702 - accuracy: 0.8542
266/750 [=====>.....] - ETA: 0s - loss: 0.6748 - accuracy: 0.8537
350/750 [=====>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.8536
439/750 [=====>.....] - ETA: 0s - loss: 0.6740 - accuracy: 0.8540
524/750 [=====>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.8545
613/750 [=====>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.8545
700/750 [=====>..] - ETA: 0s - loss: 0.6746 - accuracy: 0.8537
750/750 [=====] - 1s 706us/step - loss: 0.6750 - accuracy: 0.8537 - val_loss: 0.6752 - val_accuracy: 0.8526
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.8750
84/750 [==>.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.8542
169/750 [=====>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.8591
250/750 [=====>.....] - ETA: 0s - loss: 0.6637 - accuracy: 0.8562
335/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy: 0.8555
423/750 [=====>.....] - ETA: 0s - loss: 0.6610 - accuracy: 0.8562
506/750 [=====>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.8553
590/750 [=====>.....] - ETA: 0s - loss: 0.6655 - accuracy: 0.8546

678/750 [=====>...] - ETA: 0s - loss: 0.6625 - accuracy:
0.8561
750/750 [=====] - 1s 726us/step - loss: 0.6610 - accuracy:
0.8567 - val_loss: 0.6612 - val_accuracy: 0.8576
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.6661 - accuracy:
0.8594
83/750 [==>.....] - ETA: 0s - loss: 0.6610 - accuracy:
0.8579
169/750 [====>.....] - ETA: 0s - loss: 0.6573 - accuracy:
0.8585
255/750 [=====>.....] - ETA: 0s - loss: 0.6530 - accuracy:
0.8589
341/750 [=====>.....] - ETA: 0s - loss: 0.6487 - accuracy:
0.8609
426/750 [=====>.....] - ETA: 0s - loss: 0.6519 - accuracy:
0.8595
512/750 [=====>.....] - ETA: 0s - loss: 0.6519 - accuracy:
0.8594
597/750 [=====>.....] - ETA: 0s - loss: 0.6489 - accuracy:
0.8605
684/750 [=====>...] - ETA: 0s - loss: 0.6475 - accuracy:
0.8604
750/750 [=====] - 1s 724us/step - loss: 0.6480 - accuracy:
0.8600 - val_loss: 0.6654 - val_accuracy: 0.8522
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.5864 - accuracy:
0.8438
86/750 [==>.....] - ETA: 0s - loss: 0.6194 - accuracy:
0.8708
166/750 [====>.....] - ETA: 0s - loss: 0.6363 - accuracy:
0.8639
254/750 [=====>.....] - ETA: 0s - loss: 0.6358 - accuracy:
0.8629
336/750 [=====>.....] - ETA: 0s - loss: 0.6354 - accuracy:
0.8636
420/750 [=====>.....] - ETA: 0s - loss: 0.6365 - accuracy:
0.8635
504/750 [=====>.....] - ETA: 0s - loss: 0.6343 - accuracy:
0.8641
592/750 [=====>.....] - ETA: 0s - loss: 0.6350 - accuracy:
0.8637
679/750 [=====>...] - ETA: 0s - loss: 0.6371 - accuracy:
0.8624
750/750 [=====] - 1s 726us/step - loss: 0.6372 - accuracy:
0.8621 - val_loss: 0.6835 - val_accuracy: 0.8475
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.8678
172/750 [====>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.8725
260/750 [=====>.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.8700
343/750 [======>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.8681
430/750 [======>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.8674
515/750 [======>.....] - ETA: 0s - loss: 0.6273 - accuracy: 0.8651
600/750 [======>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.8655
687/750 [======>...] - ETA: 0s - loss: 0.6244 - accuracy: 0.8658
750/750 [=====] - 1s 721us/step - loss: 0.6251 - accuracy: 0.8654 - val_loss: 0.6392 - val_accuracy: 0.8608
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.6276 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8705
170/750 [====>.....] - ETA: 0s - loss: 0.6169 - accuracy: 0.8677
254/750 [=====>.....] - ETA: 0s - loss: 0.6181 - accuracy: 0.8677
338/750 [======>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.8669
425/750 [======>.....] - ETA: 0s - loss: 0.6217 - accuracy: 0.8663
512/750 [======>.....] - ETA: 0s - loss: 0.6161 - accuracy: 0.8681
596/750 [======>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.8681
681/750 [======>...] - ETA: 0s - loss: 0.6145 - accuracy: 0.8685
750/750 [=====] - 1s 724us/step - loss: 0.6144 - accuracy: 0.8687 - val_loss: 0.6603 - val_accuracy: 0.8517
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.5169 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.6220 - accuracy: 0.8666
170/750 [====>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.8676

258/750 [=====>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.8685
345/750 [=====>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8687
434/750 [=====>.....] - ETA: 0s - loss: 0.6074 - accuracy: 0.8708
520/750 [=====>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.8706
608/750 [=====>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.8706
697/750 [=====>...] - ETA: 0s - loss: 0.6055 - accuracy: 0.8706
750/750 [=====] - 1s 710us/step - loss: 0.6057 - accuracy: 0.8708 - val_loss: 0.6474 - val_accuracy: 0.8559
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.7792 - accuracy: 0.8125
89/750 [==>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.8699
176/750 [=====>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8698
265/750 [=====>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.8734
350/750 [=====>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.8737
438/750 [=====>.....] - ETA: 0s - loss: 0.5932 - accuracy: 0.8720
526/750 [=====>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8719
611/750 [=====>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.8725
700/750 [=====>...] - ETA: 0s - loss: 0.5959 - accuracy: 0.8718
750/750 [=====] - 1s 706us/step - loss: 0.5968 - accuracy: 0.8710 - val_loss: 0.6115 - val_accuracy: 0.8658
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.4632 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.8687
175/750 [=====>.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.8721
263/750 [=====>.....] - ETA: 0s - loss: 0.5835 - accuracy: 0.8754
351/750 [=====>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.8735
436/750 [=====>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.8750

526/750 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy: 0.8739
610/750 [=====>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.8744
696/750 [=====>...] - ETA: 0s - loss: 0.5856 - accuracy: 0.8740
750/750 [=====] - 1s 714us/step - loss: 0.5870 - accuracy: 0.8731 - val_loss: 0.6337 - val_accuracy: 0.8565
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.7153 - accuracy: 0.7812
89/750 [==>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.8806
171/750 [====>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.8801
258/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.8773
345/750 [=====>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.8767
434/750 [=====>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8768
520/750 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8770
607/750 [=====>.....] - ETA: 0s - loss: 0.5786 - accuracy: 0.8754
694/750 [=====>...] - ETA: 0s - loss: 0.5790 - accuracy: 0.8758
750/750 [=====] - 1s 710us/step - loss: 0.5791 - accuracy: 0.8760 - val_loss: 0.6045 - val_accuracy: 0.8693
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.5610 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8743
174/750 [====>.....] - ETA: 0s - loss: 0.5696 - accuracy: 0.8739
260/750 [=====>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.8716
348/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy: 0.8713
436/750 [=====>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8727
521/750 [=====>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.8743
607/750 [=====>.....] - ETA: 0s - loss: 0.5717 - accuracy: 0.8745
695/750 [=====>...] - ETA: 0s - loss: 0.5699 - accuracy: 0.8752

750/750 [=====] - 1s 713us/step - loss: 0.5721 - accuracy:
0.8750 - val_loss: 0.6010 - val_accuracy: 0.8648
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.4749 - accuracy:
0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.5631 - accuracy:
0.8821
176/750 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy:
0.8818
262/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy:
0.8798
352/750 [=====>.....] - ETA: 0s - loss: 0.5622 - accuracy:
0.8796
438/750 [=====>.....] - ETA: 0s - loss: 0.5627 - accuracy:
0.8783
526/750 [=====>.....] - ETA: 0s - loss: 0.5643 - accuracy:
0.8777
615/750 [=====>.....] - ETA: 0s - loss: 0.5634 - accuracy:
0.8784
700/750 [=====>..] - ETA: 0s - loss: 0.5638 - accuracy:
0.8779
750/750 [=====] - 1s 709us/step - loss: 0.5630 - accuracy:
0.8783 - val_loss: 0.5911 - val_accuracy: 0.8679
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.5455 - accuracy:
0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.5757 - accuracy:
0.8743
178/750 [=====>.....] - ETA: 0s - loss: 0.5613 - accuracy:
0.8771
262/750 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy:
0.8782
351/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy:
0.8789
436/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy:
0.8774
520/750 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.8769
605/750 [=====>.....] - ETA: 0s - loss: 0.5578 - accuracy:
0.8775
693/750 [=====>...] - ETA: 0s - loss: 0.5553 - accuracy:
0.8791
750/750 [=====] - 1s 710us/step - loss: 0.5558 - accuracy:
0.8788 - val_loss: 0.5900 - val_accuracy: 0.8673
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.5558 - accuracy:
0.8906

88/750 [==>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8734
175/750 [=====>.....] - ETA: 0s - loss: 0.5643 - accuracy: 0.8737
261/750 [=====>.....] - ETA: 0s - loss: 0.5589 - accuracy: 0.8743
349/750 [=====>.....] - ETA: 0s - loss: 0.5567 - accuracy: 0.8753
439/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.8770
526/750 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy: 0.8777
614/750 [=====>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.8785
705/750 [=====>..] - ETA: 0s - loss: 0.5509 - accuracy: 0.8795
750/750 [=====>] - 1s 701us/step - loss: 0.5508 - accuracy: 0.8795 - val_loss: 0.5909 - val_accuracy: 0.8622
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.3875 - accuracy: 0.9688
86/750 [==>.....] - ETA: 0s - loss: 0.5398 - accuracy: 0.8810
174/750 [=====>.....] - ETA: 0s - loss: 0.5462 - accuracy: 0.8807
263/750 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.8821
350/750 [=====>.....] - ETA: 0s - loss: 0.5425 - accuracy: 0.8820
433/750 [=====>.....] - ETA: 0s - loss: 0.5428 - accuracy: 0.8812
520/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy: 0.8816
606/750 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy: 0.8809
696/750 [=====>..] - ETA: 0s - loss: 0.5432 - accuracy: 0.8819
750/750 [=====>] - 1s 709us/step - loss: 0.5444 - accuracy: 0.8819 - val_loss: 0.5790 - val_accuracy: 0.8700
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.7429 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.5375 - accuracy: 0.8876
175/750 [=====>.....] - ETA: 0s - loss: 0.5399 - accuracy: 0.8858
264/750 [=====>.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.8852

349/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.8845
436/750 [=====>.....] - ETA: 0s - loss: 0.5358 - accuracy: 0.8854
526/750 [=====>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.8850
612/750 [=====>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.8843
699/750 [=====>...] - ETA: 0s - loss: 0.5375 - accuracy: 0.8841
750/750 [=====] - 1s 709us/step - loss: 0.5369 - accuracy: 0.8841 - val_loss: 0.5691 - val_accuracy: 0.8717
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.8281
90/750 [==>.....] - ETA: 0s - loss: 0.5322 - accuracy: 0.8878
178/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy: 0.8873
267/750 [=====>.....] - ETA: 0s - loss: 0.5345 - accuracy: 0.8850
352/750 [=====>.....] - ETA: 0s - loss: 0.5334 - accuracy: 0.8858
439/750 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy: 0.8856
526/750 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy: 0.8854
611/750 [=====>.....] - ETA: 0s - loss: 0.5314 - accuracy: 0.8860
699/750 [=====>...] - ETA: 0s - loss: 0.5315 - accuracy: 0.8859
750/750 [=====] - 1s 714us/step - loss: 0.5304 - accuracy: 0.8861 - val_loss: 0.5935 - val_accuracy: 0.8609
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.8281
91/750 [==>.....] - ETA: 0s - loss: 0.5419 - accuracy: 0.8817
175/750 [=====>.....] - ETA: 0s - loss: 0.5271 - accuracy: 0.8876
262/750 [=====>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.8879
352/750 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy: 0.8876
439/750 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.8873
527/750 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy: 0.8872

614/750 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy:
0.8863
700/750 [=====>..] - ETA: 0s - loss: 0.5244 - accuracy:
0.8860
750/750 [=====] - 1s 706us/step - loss: 0.5247 - accuracy:
0.8860 - val_loss: 0.5791 - val_accuracy: 0.8690
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.6111 - accuracy:
0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.5264 - accuracy:
0.8877
173/750 [====>.....] - ETA: 0s - loss: 0.5122 - accuracy:
0.8911
257/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
0.8887
345/750 [=====>.....] - ETA: 0s - loss: 0.5138 - accuracy:
0.8889
429/750 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
0.8873
515/750 [=====>.....] - ETA: 0s - loss: 0.5182 - accuracy:
0.8862
605/750 [=====>.....] - ETA: 0s - loss: 0.5175 - accuracy:
0.8866
691/750 [=====>...] - ETA: 0s - loss: 0.5197 - accuracy:
0.8855
750/750 [=====] - 1s 712us/step - loss: 0.5191 - accuracy:
0.8859 - val_loss: 0.5672 - val_accuracy: 0.8687
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.5178 - accuracy:
0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.5005 - accuracy:
0.8924
177/750 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy:
0.8889
260/750 [=====>.....] - ETA: 0s - loss: 0.5122 - accuracy:
0.8885
346/750 [=====>.....] - ETA: 0s - loss: 0.5155 - accuracy:
0.8871
433/750 [=====>.....] - ETA: 0s - loss: 0.5147 - accuracy:
0.8869
519/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
0.8858
607/750 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
0.8868
693/750 [=====>...] - ETA: 0s - loss: 0.5180 - accuracy:
0.8861
750/750 [=====] - 1s 713us/step - loss: 0.5159 - accuracy:
0.8867 - val_loss: 0.5601 - val_accuracy: 0.8743

Epoch 30/220

```
1/750 [.....] - ETA: 0s - loss: 0.4481 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8897
168/750 [=====>.....] - ETA: 0s - loss: 0.5052 - accuracy: 0.8910
254/750 [=====>.....] - ETA: 0s - loss: 0.5023 - accuracy: 0.8915
341/750 [======>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.8928
428/750 [======>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.8899
516/750 [======>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8900
604/750 [======>.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.8895
692/750 [======>...] - ETA: 0s - loss: 0.5092 - accuracy: 0.8895
750/750 [=====] - 1s 715us/step - loss: 0.5089 - accuracy: 0.8895 - val_loss: 0.5518 - val_accuracy: 0.8767
Epoch 31/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5054 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.4933 - accuracy: 0.8935
176/750 [=====>.....] - ETA: 0s - loss: 0.4980 - accuracy: 0.8928
263/750 [=====>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.8923
351/750 [======>.....] - ETA: 0s - loss: 0.4969 - accuracy: 0.8928
438/750 [======>.....] - ETA: 0s - loss: 0.5003 - accuracy: 0.8922
524/750 [======>.....] - ETA: 0s - loss: 0.5028 - accuracy: 0.8902
612/750 [======>.....] - ETA: 0s - loss: 0.5041 - accuracy: 0.8899
699/750 [======>...] - ETA: 0s - loss: 0.5056 - accuracy: 0.8897
750/750 [=====] - 1s 708us/step - loss: 0.5051 - accuracy: 0.8897 - val_loss: 0.5700 - val_accuracy: 0.8681
Epoch 32/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3825 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.4853 - accuracy: 0.8895
```

171/750 [====>.....] - ETA: 0s - loss: 0.5011 - accuracy: 0.8897
257/750 [=====>.....] - ETA: 0s - loss: 0.5020 - accuracy: 0.8898
345/750 [=====>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.8912
434/750 [=====>.....] - ETA: 0s - loss: 0.4998 - accuracy: 0.8912
519/750 [=====>.....] - ETA: 0s - loss: 0.5009 - accuracy: 0.8905
607/750 [=====>.....] - ETA: 0s - loss: 0.5010 - accuracy: 0.8896
696/750 [=====>...] - ETA: 0s - loss: 0.4994 - accuracy: 0.8903
750/750 [=====] - 1s 713us/step - loss: 0.5003 - accuracy: 0.8904 - val_loss: 0.5605 - val_accuracy: 0.8701
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.5113 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.4799 - accuracy: 0.8993
169/750 [====>.....] - ETA: 0s - loss: 0.4853 - accuracy: 0.8962
254/750 [=====>.....] - ETA: 0s - loss: 0.4922 - accuracy: 0.8934
340/750 [=====>.....] - ETA: 0s - loss: 0.4939 - accuracy: 0.8927
427/750 [=====>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.8923
512/750 [=====>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.8917
596/750 [=====>.....] - ETA: 0s - loss: 0.4971 - accuracy: 0.8918
682/750 [=====>...] - ETA: 0s - loss: 0.4971 - accuracy: 0.8916
750/750 [=====] - 1s 728us/step - loss: 0.4961 - accuracy: 0.8916 - val_loss: 0.5683 - val_accuracy: 0.8671
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8438
82/750 [==>.....] - ETA: 0s - loss: 0.5012 - accuracy: 0.8935
166/750 [====>.....] - ETA: 0s - loss: 0.4986 - accuracy: 0.8924
254/750 [=====>.....] - ETA: 0s - loss: 0.5005 - accuracy: 0.8904
339/750 [=====>.....] - ETA: 0s - loss: 0.4983 - accuracy: 0.8899

423/750 [=====>.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.8915
507/750 [=====>.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.8907
592/750 [=====>.....] - ETA: 0s - loss: 0.4925 - accuracy: 0.8920
678/750 [=====>...] - ETA: 0s - loss: 0.4927 - accuracy: 0.8917
750/750 [=====] - 1s 724us/step - loss: 0.4920 - accuracy: 0.8918 - val_loss: 0.5902 - val_accuracy: 0.8602
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.4060 - accuracy: 0.9375
84/750 [==>.....] - ETA: 0s - loss: 0.4852 - accuracy: 0.8964
170/750 [====>.....] - ETA: 0s - loss: 0.4898 - accuracy: 0.8923
258/750 [=====>.....] - ETA: 0s - loss: 0.4878 - accuracy: 0.8915
340/750 [=====>.....] - ETA: 0s - loss: 0.4834 - accuracy: 0.8927
428/750 [=====>.....] - ETA: 0s - loss: 0.4853 - accuracy: 0.8922
510/750 [=====>.....] - ETA: 0s - loss: 0.4883 - accuracy: 0.8909
597/750 [=====>.....] - ETA: 0s - loss: 0.4880 - accuracy: 0.8917
680/750 [=====>...] - ETA: 0s - loss: 0.4869 - accuracy: 0.8923
750/750 [=====] - 1s 728us/step - loss: 0.4872 - accuracy: 0.8925 - val_loss: 0.5300 - val_accuracy: 0.8783
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.4372 - accuracy: 0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.4895 - accuracy: 0.8919
172/750 [====>.....] - ETA: 0s - loss: 0.4880 - accuracy: 0.8920
254/750 [=====>.....] - ETA: 0s - loss: 0.4800 - accuracy: 0.8949
339/750 [=====>.....] - ETA: 0s - loss: 0.4782 - accuracy: 0.8952
427/750 [=====>.....] - ETA: 0s - loss: 0.4775 - accuracy: 0.8959
510/750 [=====>.....] - ETA: 0s - loss: 0.4833 - accuracy: 0.8938
593/750 [=====>.....] - ETA: 0s - loss: 0.4853 - accuracy: 0.8935

678/750 [=====>...] - ETA: 0s - loss: 0.4835 - accuracy: 0.8940
750/750 [=====] - 1s 725us/step - loss: 0.4833 - accuracy: 0.8938 - val_loss: 0.5419 - val_accuracy: 0.8732
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.4751 - accuracy: 0.8970
174/750 [====>.....] - ETA: 0s - loss: 0.4697 - accuracy: 0.8985
262/750 [=====>.....] - ETA: 0s - loss: 0.4696 - accuracy: 0.8985
349/750 [=====>.....] - ETA: 0s - loss: 0.4726 - accuracy: 0.8968
437/750 [=====>.....] - ETA: 0s - loss: 0.4744 - accuracy: 0.8975
520/750 [=====>.....] - ETA: 0s - loss: 0.4774 - accuracy: 0.8960
607/750 [=====>.....] - ETA: 0s - loss: 0.4763 - accuracy: 0.8960
694/750 [=====>...] - ETA: 0s - loss: 0.4773 - accuracy: 0.8953
750/750 [=====] - 1s 712us/step - loss: 0.4773 - accuracy: 0.8949 - val_loss: 0.5353 - val_accuracy: 0.8758
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.4286 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.4784 - accuracy: 0.8967
172/750 [====>.....] - ETA: 0s - loss: 0.4837 - accuracy: 0.8961
262/750 [=====>.....] - ETA: 0s - loss: 0.4815 - accuracy: 0.8943
349/750 [=====>.....] - ETA: 0s - loss: 0.4817 - accuracy: 0.8939
436/750 [=====>.....] - ETA: 0s - loss: 0.4822 - accuracy: 0.8931
523/750 [=====>.....] - ETA: 0s - loss: 0.4821 - accuracy: 0.8936
612/750 [=====>.....] - ETA: 0s - loss: 0.4788 - accuracy: 0.8945
700/750 [=====>..] - ETA: 0s - loss: 0.4768 - accuracy: 0.8954
750/750 [=====] - 1s 705us/step - loss: 0.4759 - accuracy: 0.8953 - val_loss: 0.5294 - val_accuracy: 0.8773
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.4868 - accuracy: 0.8931
176/750 [=====>.....] - ETA: 0s - loss: 0.4728 - accuracy: 0.8991
264/750 [=====>.....] - ETA: 0s - loss: 0.4706 - accuracy: 0.8993
351/750 [======>.....] - ETA: 0s - loss: 0.4718 - accuracy: 0.8980
434/750 [======>.....] - ETA: 0s - loss: 0.4730 - accuracy: 0.8968
522/750 [======>.....] - ETA: 0s - loss: 0.4722 - accuracy: 0.8970
604/750 [======>.....] - ETA: 0s - loss: 0.4739 - accuracy: 0.8962
693/750 [======>...] - ETA: 0s - loss: 0.4748 - accuracy: 0.8953
750/750 [=====] - 1s 712us/step - loss: 0.4737 - accuracy: 0.8955 - val_loss: 0.5438 - val_accuracy: 0.8722
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.5558 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.4518 - accuracy: 0.9033
174/750 [=====>.....] - ETA: 0s - loss: 0.4615 - accuracy: 0.9005
261/750 [=====>.....] - ETA: 0s - loss: 0.4618 - accuracy: 0.9002
350/750 [======>.....] - ETA: 0s - loss: 0.4649 - accuracy: 0.8981
432/750 [======>.....] - ETA: 0s - loss: 0.4649 - accuracy: 0.8979
517/750 [======>.....] - ETA: 0s - loss: 0.4660 - accuracy: 0.8973
599/750 [======>.....] - ETA: 0s - loss: 0.4662 - accuracy: 0.8977
686/750 [======>...] - ETA: 0s - loss: 0.4693 - accuracy: 0.8965
750/750 [=====] - 1s 718us/step - loss: 0.4689 - accuracy: 0.8965 - val_loss: 0.5271 - val_accuracy: 0.8798
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.4572 - accuracy: 0.9005
169/750 [=====>.....] - ETA: 0s - loss: 0.4598 - accuracy: 0.9004

252/750 [=====>.....] - ETA: 0s - loss: 0.4615 - accuracy: 0.9007
336/750 [=====>.....] - ETA: 0s - loss: 0.4616 - accuracy: 0.9011
420/750 [=====>.....] - ETA: 0s - loss: 0.4657 - accuracy: 0.8988
506/750 [=====>.....] - ETA: 0s - loss: 0.4647 - accuracy: 0.8986
593/750 [=====>.....] - ETA: 0s - loss: 0.4640 - accuracy: 0.8985
678/750 [=====>...] - ETA: 0s - loss: 0.4644 - accuracy: 0.8980
750/750 [=====] - 1s 728us/step - loss: 0.4647 - accuracy: 0.8976 - val_loss: 0.5237 - val_accuracy: 0.8776
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.3620 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.4627 - accuracy: 0.8949
174/750 [====>.....] - ETA: 0s - loss: 0.4573 - accuracy: 0.8998
256/750 [=====>.....] - ETA: 0s - loss: 0.4548 - accuracy: 0.9006
345/750 [=====>.....] - ETA: 0s - loss: 0.4540 - accuracy: 0.9010
429/750 [=====>.....] - ETA: 0s - loss: 0.4575 - accuracy: 0.8996
519/750 [=====>.....] - ETA: 0s - loss: 0.4575 - accuracy: 0.8998
609/750 [=====>.....] - ETA: 0s - loss: 0.4593 - accuracy: 0.8994
696/750 [=====>...] - ETA: 0s - loss: 0.4602 - accuracy: 0.8992
750/750 [=====] - 1s 712us/step - loss: 0.4605 - accuracy: 0.8990 - val_loss: 0.5258 - val_accuracy: 0.8764
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.4445 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.4539 - accuracy: 0.9007
175/750 [====>.....] - ETA: 0s - loss: 0.4514 - accuracy: 0.9005
261/750 [=====>.....] - ETA: 0s - loss: 0.4582 - accuracy: 0.8991
346/750 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy: 0.8980
432/750 [=====>.....] - ETA: 0s - loss: 0.4593 - accuracy: 0.8974

522/750 [=====>.....] - ETA: 0s - loss: 0.4605 - accuracy: 0.8968
611/750 [=====>.....] - ETA: 0s - loss: 0.4602 - accuracy: 0.8978
700/750 [=====>..] - ETA: 0s - loss: 0.4601 - accuracy: 0.8979
750/750 [=====] - 1s 706us/step - loss: 0.4593 - accuracy: 0.8984 - val_loss: 0.5208 - val_accuracy: 0.8808
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.4641 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.4542 - accuracy: 0.9033
174/750 [====>.....] - ETA: 0s - loss: 0.4434 - accuracy: 0.9069
262/750 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy: 0.9054
349/750 [=====>.....] - ETA: 0s - loss: 0.4517 - accuracy: 0.9005
436/750 [=====>.....] - ETA: 0s - loss: 0.4547 - accuracy: 0.8998
522/750 [=====>.....] - ETA: 0s - loss: 0.4558 - accuracy: 0.8996
612/750 [=====>.....] - ETA: 0s - loss: 0.4560 - accuracy: 0.8992
699/750 [=====>...] - ETA: 0s - loss: 0.4543 - accuracy: 0.8990
750/750 [=====] - 1s 712us/step - loss: 0.4542 - accuracy: 0.8993 - val_loss: 0.5217 - val_accuracy: 0.8748
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.4133 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.4428 - accuracy: 0.9026
173/750 [====>.....] - ETA: 0s - loss: 0.4467 - accuracy: 0.9020
257/750 [=====>.....] - ETA: 0s - loss: 0.4440 - accuracy: 0.9031
343/750 [=====>.....] - ETA: 0s - loss: 0.4486 - accuracy: 0.9011
432/750 [=====>.....] - ETA: 0s - loss: 0.4501 - accuracy: 0.9011
513/750 [=====>.....] - ETA: 0s - loss: 0.4505 - accuracy: 0.9005
596/750 [=====>.....] - ETA: 0s - loss: 0.4503 - accuracy: 0.9005
681/750 [=====>...] - ETA: 0s - loss: 0.4518 - accuracy: 0.9001

750/750 [=====] - 1s 720us/step - loss: 0.4519 - accuracy: 0.9003 - val_loss: 0.5236 - val_accuracy: 0.8765
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.4865 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.4627 - accuracy: 0.8948
178/750 [=====>.....] - ETA: 0s - loss: 0.4483 - accuracy: 0.9010
265/750 [=====>.....] - ETA: 0s - loss: 0.4452 - accuracy: 0.9034
353/750 [======>.....] - ETA: 0s - loss: 0.4482 - accuracy: 0.9030
440/750 [======>.....] - ETA: 0s - loss: 0.4483 - accuracy: 0.9029
528/750 [======>.....] - ETA: 0s - loss: 0.4491 - accuracy: 0.9029
618/750 [======>.....] - ETA: 0s - loss: 0.4491 - accuracy: 0.9023
703/750 [======>..] - ETA: 0s - loss: 0.4495 - accuracy: 0.9017
750/750 [=====] - 1s 708us/step - loss: 0.4494 - accuracy: 0.9016 - val_loss: 0.5283 - val_accuracy: 0.8743
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.4245 - accuracy: 0.9062
82/750 [==>.....] - ETA: 0s - loss: 0.4599 - accuracy: 0.8967
171/750 [=====>.....] - ETA: 0s - loss: 0.4494 - accuracy: 0.9005
256/750 [=====>.....] - ETA: 0s - loss: 0.4465 - accuracy: 0.9003
344/750 [======>.....] - ETA: 0s - loss: 0.4444 - accuracy: 0.9019
434/750 [======>.....] - ETA: 0s - loss: 0.4439 - accuracy: 0.9015
519/750 [======>.....] - ETA: 0s - loss: 0.4428 - accuracy: 0.9025
606/750 [======>.....] - ETA: 0s - loss: 0.4426 - accuracy: 0.9025
695/750 [======>...] - ETA: 0s - loss: 0.4449 - accuracy: 0.9018
750/750 [=====] - 1s 708us/step - loss: 0.4463 - accuracy: 0.9015 - val_loss: 0.5121 - val_accuracy: 0.8795
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.2777 - accuracy: 0.9688

86/750 [==>.....] - ETA: 0s - loss: 0.4311 - accuracy: 0.9028
174/750 [=====>.....] - ETA: 0s - loss: 0.4370 - accuracy: 0.9034
264/750 [=====>.....] - ETA: 0s - loss: 0.4408 - accuracy: 0.9033
350/750 [=====>.....] - ETA: 0s - loss: 0.4396 - accuracy: 0.9036
438/750 [=====>.....] - ETA: 0s - loss: 0.4415 - accuracy: 0.9040
526/750 [=====>.....] - ETA: 0s - loss: 0.4401 - accuracy: 0.9047
612/750 [=====>.....] - ETA: 0s - loss: 0.4418 - accuracy: 0.9041
703/750 [=====>..] - ETA: 0s - loss: 0.4438 - accuracy: 0.9034
750/750 [=====>] - 1s 704us/step - loss: 0.4441 - accuracy: 0.9028 - val_loss: 0.5625 - val_accuracy: 0.8616
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.4315 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.4437 - accuracy: 0.8993
174/750 [=====>.....] - ETA: 0s - loss: 0.4433 - accuracy: 0.9000
266/750 [=====>.....] - ETA: 0s - loss: 0.4477 - accuracy: 0.8984
350/750 [=====>.....] - ETA: 0s - loss: 0.4455 - accuracy: 0.9000
439/750 [=====>.....] - ETA: 0s - loss: 0.4418 - accuracy: 0.9019
529/750 [=====>.....] - ETA: 0s - loss: 0.4410 - accuracy: 0.9026
614/750 [=====>.....] - ETA: 0s - loss: 0.4402 - accuracy: 0.9025
703/750 [=====>..] - ETA: 0s - loss: 0.4418 - accuracy: 0.9017
750/750 [=====>] - 1s 704us/step - loss: 0.4425 - accuracy: 0.9014 - val_loss: 0.5128 - val_accuracy: 0.8807
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.5144 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.4401 - accuracy: 0.9012
175/750 [=====>.....] - ETA: 0s - loss: 0.4336 - accuracy: 0.9034
262/750 [=====>.....] - ETA: 0s - loss: 0.4338 - accuracy: 0.9043

351/750 [=====>.....] - ETA: 0s - loss: 0.4372 - accuracy: 0.9035
440/750 [=====>.....] - ETA: 0s - loss: 0.4362 - accuracy: 0.9040
528/750 [=====>.....] - ETA: 0s - loss: 0.4387 - accuracy: 0.9033
613/750 [=====>.....] - ETA: 0s - loss: 0.4380 - accuracy: 0.9033
699/750 [=====>...] - ETA: 0s - loss: 0.4377 - accuracy: 0.9033
750/750 [=====] - 1s 709us/step - loss: 0.4376 - accuracy: 0.9035 - val_loss: 0.5392 - val_accuracy: 0.8712
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.5331 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.4273 - accuracy: 0.9091
175/750 [=====>.....] - ETA: 0s - loss: 0.4361 - accuracy: 0.9048
263/750 [=====>.....] - ETA: 0s - loss: 0.4360 - accuracy: 0.9041
351/750 [=====>.....] - ETA: 0s - loss: 0.4341 - accuracy: 0.9054
436/750 [=====>.....] - ETA: 0s - loss: 0.4343 - accuracy: 0.9049
526/750 [=====>.....] - ETA: 0s - loss: 0.4336 - accuracy: 0.9050
612/750 [=====>.....] - ETA: 0s - loss: 0.4350 - accuracy: 0.9039
698/750 [=====>...] - ETA: 0s - loss: 0.4365 - accuracy: 0.9031
750/750 [=====] - 1s 704us/step - loss: 0.4369 - accuracy: 0.9031 - val_loss: 0.5082 - val_accuracy: 0.8775
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.4290 - accuracy: 0.9066
179/750 [=====>.....] - ETA: 0s - loss: 0.4285 - accuracy: 0.9067
265/750 [=====>.....] - ETA: 0s - loss: 0.4324 - accuracy: 0.9052
354/750 [=====>.....] - ETA: 0s - loss: 0.4346 - accuracy: 0.9044
440/750 [=====>.....] - ETA: 0s - loss: 0.4342 - accuracy: 0.9056
527/750 [=====>.....] - ETA: 0s - loss: 0.4327 - accuracy: 0.9054

614/750 [=====>.....] - ETA: 0s - loss: 0.4322 - accuracy: 0.9057
696/750 [=====>...] - ETA: 0s - loss: 0.4325 - accuracy: 0.9053
750/750 [=====] - 1s 706us/step - loss: 0.4338 - accuracy: 0.9050 - val_loss: 0.5028 - val_accuracy: 0.8800
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.5329 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.4336 - accuracy: 0.9073
177/750 [=====>.....] - ETA: 0s - loss: 0.4243 - accuracy: 0.9072
264/750 [=====>.....] - ETA: 0s - loss: 0.4277 - accuracy: 0.9073
354/750 [=====>.....] - ETA: 0s - loss: 0.4291 - accuracy: 0.9075
443/750 [=====>.....] - ETA: 0s - loss: 0.4302 - accuracy: 0.9068
528/750 [=====>.....] - ETA: 0s - loss: 0.4300 - accuracy: 0.9065
618/750 [=====>.....] - ETA: 0s - loss: 0.4309 - accuracy: 0.9056
704/750 [=====>..] - ETA: 0s - loss: 0.4316 - accuracy: 0.9052
750/750 [=====] - 1s 704us/step - loss: 0.4319 - accuracy: 0.9049 - val_loss: 0.5118 - val_accuracy: 0.8779
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.4706 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.4158 - accuracy: 0.9088
175/750 [=====>.....] - ETA: 0s - loss: 0.4181 - accuracy: 0.9079
259/750 [=====>.....] - ETA: 0s - loss: 0.4199 - accuracy: 0.9080
348/750 [=====>.....] - ETA: 0s - loss: 0.4267 - accuracy: 0.9061
437/750 [=====>.....] - ETA: 0s - loss: 0.4292 - accuracy: 0.9059
523/750 [=====>.....] - ETA: 0s - loss: 0.4311 - accuracy: 0.9048
610/750 [=====>.....] - ETA: 0s - loss: 0.4288 - accuracy: 0.9050
698/750 [=====>...] - ETA: 0s - loss: 0.4302 - accuracy: 0.9043
750/750 [=====] - 1s 706us/step - loss: 0.4296 - accuracy: 0.9045 - val_loss: 0.4973 - val_accuracy: 0.8840

Epoch 55/220

```
1/750 [.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.7969
87/750 [==>.....] - ETA: 0s - loss: 0.4239 - accuracy: 0.9102
174/750 [====>.....] - ETA: 0s - loss: 0.4248 - accuracy: 0.9090
264/750 [=====>.....] - ETA: 0s - loss: 0.4250 - accuracy: 0.9080
352/750 [======>.....] - ETA: 0s - loss: 0.4256 - accuracy: 0.9080
434/750 [======>.....] - ETA: 0s - loss: 0.4254 - accuracy: 0.9079
521/750 [======>.....] - ETA: 0s - loss: 0.4259 - accuracy: 0.9074
609/750 [======>.....] - ETA: 0s - loss: 0.4269 - accuracy: 0.9063
696/750 [======>...] - ETA: 0s - loss: 0.4274 - accuracy: 0.9059
750/750 [=====] - 1s 712us/step - loss: 0.4275 - accuracy: 0.9057 - val_loss: 0.5095 - val_accuracy: 0.8790
Epoch 56/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5345 - accuracy: 0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.4214 - accuracy: 0.9055
171/750 [====>.....] - ETA: 0s - loss: 0.4249 - accuracy: 0.9053
260/750 [=====>.....] - ETA: 0s - loss: 0.4277 - accuracy: 0.9038
341/750 [======>.....] - ETA: 0s - loss: 0.4264 - accuracy: 0.9046
427/750 [======>.....] - ETA: 0s - loss: 0.4251 - accuracy: 0.9051
511/750 [======>.....] - ETA: 0s - loss: 0.4254 - accuracy: 0.9053
594/750 [======>.....] - ETA: 0s - loss: 0.4262 - accuracy: 0.9055
679/750 [======>...] - ETA: 0s - loss: 0.4259 - accuracy: 0.9053
750/750 [=====] - 1s 724us/step - loss: 0.4263 - accuracy: 0.9047 - val_loss: 0.5016 - val_accuracy: 0.8823
Epoch 57/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3560 - accuracy: 0.9688
83/750 [==>.....] - ETA: 0s - loss: 0.4205 - accuracy: 0.9053
```

170/750 [====>.....] - ETA: 0s - loss: 0.4187 - accuracy: 0.9049
257/750 [=====>.....] - ETA: 0s - loss: 0.4198 - accuracy: 0.9059
339/750 [=====>.....] - ETA: 0s - loss: 0.4212 - accuracy: 0.9066
426/750 [=====>.....] - ETA: 0s - loss: 0.4217 - accuracy: 0.9069
513/750 [=====>.....] - ETA: 0s - loss: 0.4219 - accuracy: 0.9071
599/750 [=====>.....] - ETA: 0s - loss: 0.4221 - accuracy: 0.9072
686/750 [=====>...] - ETA: 0s - loss: 0.4214 - accuracy: 0.9070
750/750 [=====] - 1s 718us/step - loss: 0.4216 - accuracy: 0.9071 - val_loss: 0.5002 - val_accuracy: 0.8815
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.4118 - accuracy: 0.9219
83/750 [==>.....] - ETA: 0s - loss: 0.4211 - accuracy: 0.9087
168/750 [====>.....] - ETA: 0s - loss: 0.4180 - accuracy: 0.9094
253/750 [=====>.....] - ETA: 0s - loss: 0.4178 - accuracy: 0.9082
335/750 [=====>.....] - ETA: 0s - loss: 0.4147 - accuracy: 0.9097
418/750 [=====>.....] - ETA: 0s - loss: 0.4203 - accuracy: 0.9077
505/750 [=====>.....] - ETA: 0s - loss: 0.4221 - accuracy: 0.9068
589/750 [=====>.....] - ETA: 0s - loss: 0.4211 - accuracy: 0.9070
675/750 [=====>...] - ETA: 0s - loss: 0.4224 - accuracy: 0.9064
750/750 [=====] - 1s 728us/step - loss: 0.4212 - accuracy: 0.9070 - val_loss: 0.4969 - val_accuracy: 0.8818
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.3237 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.4069 - accuracy: 0.9110
172/750 [====>.....] - ETA: 0s - loss: 0.4181 - accuracy: 0.9080
259/750 [=====>.....] - ETA: 0s - loss: 0.4120 - accuracy: 0.9106
345/750 [=====>.....] - ETA: 0s - loss: 0.4151 - accuracy: 0.9097

431/750 [=====>.....] - ETA: 0s - loss: 0.4160 - accuracy: 0.9092
520/750 [=====>.....] - ETA: 0s - loss: 0.4181 - accuracy: 0.9084
604/750 [=====>.....] - ETA: 0s - loss: 0.4172 - accuracy: 0.9089
691/750 [=====>...] - ETA: 0s - loss: 0.4173 - accuracy: 0.9089
750/750 [=====] - 1s 725us/step - loss: 0.4178 - accuracy: 0.9087 - val_loss: 0.5099 - val_accuracy: 0.8761
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.4282 - accuracy: 0.8906
83/750 [==>.....] - ETA: 0s - loss: 0.4221 - accuracy: 0.9070
169/750 [====>.....] - ETA: 0s - loss: 0.4168 - accuracy: 0.9080
256/750 [=====>.....] - ETA: 0s - loss: 0.4181 - accuracy: 0.9086
342/750 [=====>.....] - ETA: 0s - loss: 0.4136 - accuracy: 0.9109
430/750 [=====>.....] - ETA: 0s - loss: 0.4136 - accuracy: 0.9098
520/750 [=====>.....] - ETA: 0s - loss: 0.4140 - accuracy: 0.9097
608/750 [=====>.....] - ETA: 0s - loss: 0.4123 - accuracy: 0.9101
693/750 [=====>...] - ETA: 0s - loss: 0.4152 - accuracy: 0.9093
750/750 [=====] - 1s 712us/step - loss: 0.4161 - accuracy: 0.9089 - val_loss: 0.4935 - val_accuracy: 0.8834
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.4118 - accuracy: 0.9124
174/750 [====>.....] - ETA: 0s - loss: 0.4107 - accuracy: 0.9129
258/750 [=====>.....] - ETA: 0s - loss: 0.4127 - accuracy: 0.9100
342/750 [=====>.....] - ETA: 0s - loss: 0.4152 - accuracy: 0.9091
422/750 [=====>.....] - ETA: 0s - loss: 0.4174 - accuracy: 0.9080
506/750 [=====>.....] - ETA: 0s - loss: 0.4166 - accuracy: 0.9079
593/750 [=====>.....] - ETA: 0s - loss: 0.4164 - accuracy: 0.9084

680/750 [=====>...] - ETA: 0s - loss: 0.4163 - accuracy:
0.9079
750/750 [=====] - 1s 722us/step - loss: 0.4155 - accuracy:
0.9076 - val_loss: 0.5150 - val_accuracy: 0.8779
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.3827 - accuracy:
0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.4179 - accuracy:
0.9066
173/750 [====>.....] - ETA: 0s - loss: 0.4048 - accuracy:
0.9123
257/750 [=====>.....] - ETA: 0s - loss: 0.4055 - accuracy:
0.9123
347/750 [=====>.....] - ETA: 0s - loss: 0.4079 - accuracy:
0.9115
432/750 [=====>.....] - ETA: 0s - loss: 0.4094 - accuracy:
0.9111
521/750 [=====>.....] - ETA: 0s - loss: 0.4099 - accuracy:
0.9103
606/750 [=====>.....] - ETA: 0s - loss: 0.4101 - accuracy:
0.9105
685/750 [=====>...] - ETA: 0s - loss: 0.4115 - accuracy:
0.9103
750/750 [=====] - 1s 733us/step - loss: 0.4127 - accuracy:
0.9095 - val_loss: 0.4953 - val_accuracy: 0.8810
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9219
84/750 [==>.....] - ETA: 0s - loss: 0.3948 - accuracy:
0.9126
172/750 [====>.....] - ETA: 0s - loss: 0.3953 - accuracy:
0.9144
258/750 [=====>.....] - ETA: 0s - loss: 0.4013 - accuracy:
0.9122
348/750 [=====>.....] - ETA: 0s - loss: 0.4073 - accuracy:
0.9106
435/750 [=====>.....] - ETA: 0s - loss: 0.4081 - accuracy:
0.9104
523/750 [=====>.....] - ETA: 0s - loss: 0.4095 - accuracy:
0.9100
611/750 [=====>.....] - ETA: 0s - loss: 0.4104 - accuracy:
0.9093
695/750 [=====>...] - ETA: 0s - loss: 0.4106 - accuracy:
0.9091
750/750 [=====] - 1s 712us/step - loss: 0.4113 - accuracy:
0.9087 - val_loss: 0.4953 - val_accuracy: 0.8818
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.4879 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.4149 - accuracy: 0.9068
177/750 [=====>.....] - ETA: 0s - loss: 0.4139 - accuracy: 0.9075
265/750 [=====>.....] - ETA: 0s - loss: 0.4164 - accuracy: 0.9058
349/750 [======>.....] - ETA: 0s - loss: 0.4153 - accuracy: 0.9061
431/750 [======>.....] - ETA: 0s - loss: 0.4170 - accuracy: 0.9054
518/750 [======>.....] - ETA: 0s - loss: 0.4157 - accuracy: 0.9064
605/750 [======>.....] - ETA: 0s - loss: 0.4125 - accuracy: 0.9075
693/750 [======>...] - ETA: 0s - loss: 0.4125 - accuracy: 0.9078
750/750 [=====] - 1s 722us/step - loss: 0.4108 - accuracy: 0.9083 - val_loss: 0.5065 - val_accuracy: 0.8759
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.8594
83/750 [==>.....] - ETA: 0s - loss: 0.4169 - accuracy: 0.9093
173/750 [=====>.....] - ETA: 0s - loss: 0.4111 - accuracy: 0.9092
260/750 [=====>.....] - ETA: 0s - loss: 0.4122 - accuracy: 0.9083
346/750 [======>.....] - ETA: 0s - loss: 0.4128 - accuracy: 0.9088
433/750 [======>.....] - ETA: 0s - loss: 0.4118 - accuracy: 0.9088
521/750 [======>.....] - ETA: 0s - loss: 0.4109 - accuracy: 0.9080
607/750 [======>.....] - ETA: 0s - loss: 0.4099 - accuracy: 0.9088
692/750 [======>...] - ETA: 0s - loss: 0.4100 - accuracy: 0.9085
750/750 [=====] - 1s 714us/step - loss: 0.4087 - accuracy: 0.9087 - val_loss: 0.4893 - val_accuracy: 0.8842
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.4211 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.3966 - accuracy: 0.9165
177/750 [=====>.....] - ETA: 0s - loss: 0.3960 - accuracy: 0.9145

261/750 [=====>.....] - ETA: 0s - loss: 0.3977 - accuracy: 0.9147
347/750 [=====>.....] - ETA: 0s - loss: 0.4025 - accuracy: 0.9132
434/750 [=====>.....] - ETA: 0s - loss: 0.4022 - accuracy: 0.9126
519/750 [=====>.....] - ETA: 0s - loss: 0.4064 - accuracy: 0.9109
603/750 [=====>.....] - ETA: 0s - loss: 0.4064 - accuracy: 0.9114
689/750 [=====>...] - ETA: 0s - loss: 0.4062 - accuracy: 0.9111
750/750 [=====] - 1s 718us/step - loss: 0.4061 - accuracy: 0.9106 - val_loss: 0.4915 - val_accuracy: 0.8825
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.3929 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.4219 - accuracy: 0.9075
160/750 [====>.....] - ETA: 0s - loss: 0.4131 - accuracy: 0.9056
241/750 [=====>.....] - ETA: 0s - loss: 0.4049 - accuracy: 0.9098
329/750 [=====>.....] - ETA: 0s - loss: 0.4053 - accuracy: 0.9110
417/750 [=====>.....] - ETA: 0s - loss: 0.4068 - accuracy: 0.9101
503/750 [=====>.....] - ETA: 0s - loss: 0.4062 - accuracy: 0.9098
590/750 [=====>.....] - ETA: 0s - loss: 0.4048 - accuracy: 0.9100
678/750 [=====>...] - ETA: 0s - loss: 0.4056 - accuracy: 0.9098
750/750 [=====] - 1s 724us/step - loss: 0.4059 - accuracy: 0.9094 - val_loss: 0.5081 - val_accuracy: 0.8779
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.2409 - accuracy: 0.9844
86/750 [==>.....] - ETA: 0s - loss: 0.4019 - accuracy: 0.9122
172/750 [====>.....] - ETA: 0s - loss: 0.3970 - accuracy: 0.9142
260/750 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy: 0.9133
347/750 [=====>.....] - ETA: 0s - loss: 0.4001 - accuracy: 0.9119
434/750 [=====>.....] - ETA: 0s - loss: 0.3992 - accuracy: 0.9126

521/750 [=====>.....] - ETA: 0s - loss: 0.3998 - accuracy: 0.9126
608/750 [=====>.....] - ETA: 0s - loss: 0.4012 - accuracy: 0.9120
698/750 [=====>...] - ETA: 0s - loss: 0.4034 - accuracy: 0.9110
750/750 [=====] - 1s 706us/step - loss: 0.4048 - accuracy: 0.9104 - val_loss: 0.4852 - val_accuracy: 0.8850
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.2476 - accuracy: 0.9844
88/750 [==>.....] - ETA: 0s - loss: 0.3903 - accuracy: 0.9167
176/750 [=====>.....] - ETA: 0s - loss: 0.3965 - accuracy: 0.9148
265/750 [=====>.....] - ETA: 0s - loss: 0.3956 - accuracy: 0.9128
349/750 [=====>.....] - ETA: 0s - loss: 0.3994 - accuracy: 0.9116
435/750 [=====>.....] - ETA: 0s - loss: 0.3993 - accuracy: 0.9116
521/750 [=====>.....] - ETA: 0s - loss: 0.4009 - accuracy: 0.9113
604/750 [=====>.....] - ETA: 0s - loss: 0.4005 - accuracy: 0.9107
692/750 [=====>...] - ETA: 0s - loss: 0.4008 - accuracy: 0.9107
750/750 [=====] - 1s 717us/step - loss: 0.4014 - accuracy: 0.9108 - val_loss: 0.4892 - val_accuracy: 0.8832
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.4113 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.4009 - accuracy: 0.9139
178/750 [=====>.....] - ETA: 0s - loss: 0.3978 - accuracy: 0.9130
265/750 [=====>.....] - ETA: 0s - loss: 0.3958 - accuracy: 0.9143
350/750 [=====>.....] - ETA: 0s - loss: 0.3990 - accuracy: 0.9132
436/750 [=====>.....] - ETA: 0s - loss: 0.3980 - accuracy: 0.9133
524/750 [=====>.....] - ETA: 0s - loss: 0.3953 - accuracy: 0.9139
611/750 [=====>.....] - ETA: 0s - loss: 0.3994 - accuracy: 0.9122
698/750 [=====>...] - ETA: 0s - loss: 0.3988 - accuracy: 0.9123

750/750 [=====] - 1s 709us/step - loss: 0.3995 - accuracy: 0.9118 - val_loss: 0.4990 - val_accuracy: 0.8792
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.4633 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3971 - accuracy: 0.9154
176/750 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy: 0.9173
263/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy: 0.9159
350/750 [=====>.....] - ETA: 0s - loss: 0.3927 - accuracy: 0.9157
437/750 [=====>.....] - ETA: 0s - loss: 0.3954 - accuracy: 0.9145
523/750 [=====>.....] - ETA: 0s - loss: 0.3976 - accuracy: 0.9135
612/750 [=====>.....] - ETA: 0s - loss: 0.3991 - accuracy: 0.9129
698/750 [=====>...] - ETA: 0s - loss: 0.3988 - accuracy: 0.9127
750/750 [=====] - 1s 709us/step - loss: 0.3976 - accuracy: 0.9134 - val_loss: 0.4806 - val_accuracy: 0.8866
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.3270 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.4047 - accuracy: 0.9135
174/750 [=====>.....] - ETA: 0s - loss: 0.4020 - accuracy: 0.9132
261/750 [=====>.....] - ETA: 0s - loss: 0.3999 - accuracy: 0.9130
349/750 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy: 0.9152
435/750 [=====>.....] - ETA: 0s - loss: 0.3962 - accuracy: 0.9151
523/750 [=====>.....] - ETA: 0s - loss: 0.3984 - accuracy: 0.9137
609/750 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy: 0.9132
697/750 [=====>...] - ETA: 0s - loss: 0.3974 - accuracy: 0.9131
750/750 [=====] - 1s 706us/step - loss: 0.3975 - accuracy: 0.9131 - val_loss: 0.5069 - val_accuracy: 0.8772
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.4598 - accuracy: 0.8594

88/750 [==>.....] - ETA: 0s - loss: 0.3944 - accuracy: 0.9134
175/750 [=====>.....] - ETA: 0s - loss: 0.3926 - accuracy: 0.9157
261/750 [=====>.....] - ETA: 0s - loss: 0.3876 - accuracy: 0.9181
347/750 [=====>.....] - ETA: 0s - loss: 0.3940 - accuracy: 0.9153
433/750 [=====>.....] - ETA: 0s - loss: 0.3971 - accuracy: 0.9142
516/750 [=====>.....] - ETA: 0s - loss: 0.3965 - accuracy: 0.9144
606/750 [=====>.....] - ETA: 0s - loss: 0.3945 - accuracy: 0.9149
692/750 [=====>...] - ETA: 0s - loss: 0.3948 - accuracy: 0.9149
750/750 [=====>] - 1s 710us/step - loss: 0.3951 - accuracy: 0.9149 - val_loss: 0.4854 - val_accuracy: 0.8842
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.4041 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3996 - accuracy: 0.9073
179/750 [=====>.....] - ETA: 0s - loss: 0.3952 - accuracy: 0.9143
265/750 [=====>.....] - ETA: 0s - loss: 0.3944 - accuracy: 0.9144
353/750 [=====>.....] - ETA: 0s - loss: 0.3919 - accuracy: 0.9151
443/750 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy: 0.9151
532/750 [=====>.....] - ETA: 0s - loss: 0.3928 - accuracy: 0.9149
619/750 [=====>.....] - ETA: 0s - loss: 0.3937 - accuracy: 0.9146
705/750 [=====>..] - ETA: 0s - loss: 0.3924 - accuracy: 0.9150
750/750 [=====>] - 1s 705us/step - loss: 0.3934 - accuracy: 0.9146 - val_loss: 0.5047 - val_accuracy: 0.8763
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.3034 - accuracy: 0.9688
86/750 [==>.....] - ETA: 0s - loss: 0.4030 - accuracy: 0.9102
171/750 [=====>.....] - ETA: 0s - loss: 0.3944 - accuracy: 0.9142
255/750 [=====>.....] - ETA: 0s - loss: 0.3903 - accuracy: 0.9163

336/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy: 0.9160
424/750 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy: 0.9145
507/750 [=====>.....] - ETA: 0s - loss: 0.3900 - accuracy: 0.9134
591/750 [=====>.....] - ETA: 0s - loss: 0.3895 - accuracy: 0.9138
680/750 [=====>...] - ETA: 0s - loss: 0.3896 - accuracy: 0.9145
750/750 [=====] - 1s 725us/step - loss: 0.3919 - accuracy: 0.9137 - val_loss: 0.5158 - val_accuracy: 0.8749
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.3910 - accuracy: 0.9156
175/750 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy: 0.9154
263/750 [=====>.....] - ETA: 0s - loss: 0.3903 - accuracy: 0.9158
351/750 [=====>.....] - ETA: 0s - loss: 0.3895 - accuracy: 0.9158
440/750 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy: 0.9144
524/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy: 0.9147
610/750 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy: 0.9143
695/750 [=====>...] - ETA: 0s - loss: 0.3918 - accuracy: 0.9137
750/750 [=====] - 1s 714us/step - loss: 0.3917 - accuracy: 0.9140 - val_loss: 0.4797 - val_accuracy: 0.8857
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.3414 - accuracy: 0.9219
83/750 [==>.....] - ETA: 0s - loss: 0.4035 - accuracy: 0.9098
167/750 [=====>.....] - ETA: 0s - loss: 0.3871 - accuracy: 0.9166
250/750 [=====>.....] - ETA: 0s - loss: 0.3880 - accuracy: 0.9165
334/750 [=====>.....] - ETA: 0s - loss: 0.3874 - accuracy: 0.9163
421/750 [=====>.....] - ETA: 0s - loss: 0.3880 - accuracy: 0.9163
505/750 [=====>.....] - ETA: 0s - loss: 0.3869 - accuracy: 0.9165

592/750 [=====>.....] - ETA: 0s - loss: 0.3870 - accuracy: 0.9169
679/750 [=====>...] - ETA: 0s - loss: 0.3867 - accuracy: 0.9167
750/750 [=====] - 1s 725us/step - loss: 0.3892 - accuracy: 0.9161 - val_loss: 0.4887 - val_accuracy: 0.8838
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.4446 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.3840 - accuracy: 0.9184
170/750 [====>.....] - ETA: 0s - loss: 0.3862 - accuracy: 0.9142
257/750 [=====>.....] - ETA: 0s - loss: 0.3825 - accuracy: 0.9160
342/750 [=====>.....] - ETA: 0s - loss: 0.3870 - accuracy: 0.9151
430/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy: 0.9147
512/750 [=====>.....] - ETA: 0s - loss: 0.3900 - accuracy: 0.9147
599/750 [=====>.....] - ETA: 0s - loss: 0.3909 - accuracy: 0.9143
684/750 [=====>...] - ETA: 0s - loss: 0.3901 - accuracy: 0.9144
750/750 [=====] - 1s 722us/step - loss: 0.3892 - accuracy: 0.9145 - val_loss: 0.4887 - val_accuracy: 0.8822
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.3056 - accuracy: 0.9688
84/750 [==>.....] - ETA: 0s - loss: 0.3894 - accuracy: 0.9118
170/750 [====>.....] - ETA: 0s - loss: 0.3901 - accuracy: 0.9121
261/750 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy: 0.9131
348/750 [=====>.....] - ETA: 0s - loss: 0.3904 - accuracy: 0.9136
437/750 [=====>.....] - ETA: 0s - loss: 0.3929 - accuracy: 0.9130
522/750 [=====>.....] - ETA: 0s - loss: 0.3950 - accuracy: 0.9124
609/750 [=====>.....] - ETA: 0s - loss: 0.3940 - accuracy: 0.9127
697/750 [=====>...] - ETA: 0s - loss: 0.3924 - accuracy: 0.9136
750/750 [=====] - 1s 721us/step - loss: 0.3897 - accuracy: 0.9143 - val_loss: 0.4860 - val_accuracy: 0.8825

Epoch 80/220

```
1/750 [.....] - ETA: 0s - loss: 0.3943 - accuracy: 0.9531
81/750 [==>.....] - ETA: 0s - loss: 0.3925 - accuracy: 0.9136
170/750 [=====>.....] - ETA: 0s - loss: 0.3852 - accuracy: 0.9179
259/750 [======>.....] - ETA: 0s - loss: 0.3845 - accuracy: 0.9180
344/750 [======>.....] - ETA: 0s - loss: 0.3881 - accuracy: 0.9163
433/750 [======>.....] - ETA: 0s - loss: 0.3858 - accuracy: 0.9170
519/750 [======>.....] - ETA: 0s - loss: 0.3854 - accuracy: 0.9165
606/750 [======>.....] - ETA: 0s - loss: 0.3848 - accuracy: 0.9168
693/750 [======>...] - ETA: 0s - loss: 0.3877 - accuracy: 0.9152
750/750 [=====] - 1s 714us/step - loss: 0.3879 - accuracy: 0.9152 - val_loss: 0.4907 - val_accuracy: 0.8808
Epoch 81/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3258 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.3864 - accuracy: 0.9167
175/750 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy: 0.9170
265/750 [======>.....] - ETA: 0s - loss: 0.3798 - accuracy: 0.9172
349/750 [======>.....] - ETA: 0s - loss: 0.3789 - accuracy: 0.9182
437/750 [======>.....] - ETA: 0s - loss: 0.3811 - accuracy: 0.9174
527/750 [======>.....] - ETA: 0s - loss: 0.3837 - accuracy: 0.9159
611/750 [======>.....] - ETA: 0s - loss: 0.3833 - accuracy: 0.9161
700/750 [======>..] - ETA: 0s - loss: 0.3856 - accuracy: 0.9154
750/750 [=====] - 1s 705us/step - loss: 0.3859 - accuracy: 0.9151 - val_loss: 0.4907 - val_accuracy: 0.8811
Epoch 82/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3847 - accuracy: 0.9166
```

176/750 [=====>.....] - ETA: 0s - loss: 0.3817 - accuracy: 0.9184
265/750 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy: 0.9173
354/750 [=====>.....] - ETA: 0s - loss: 0.3813 - accuracy: 0.9176
442/750 [=====>.....] - ETA: 0s - loss: 0.3824 - accuracy: 0.9165
531/750 [=====>.....] - ETA: 0s - loss: 0.3812 - accuracy: 0.9177
616/750 [=====>.....] - ETA: 0s - loss: 0.3809 - accuracy: 0.9185
704/750 [=====>..] - ETA: 0s - loss: 0.3822 - accuracy: 0.9180
750/750 [=====>] - 1s 710us/step - loss: 0.3821 - accuracy: 0.9179 - val_loss: 0.4983 - val_accuracy: 0.8788
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.4504 - accuracy: 0.8594
84/750 [==>.....] - ETA: 0s - loss: 0.3807 - accuracy: 0.9142
160/750 [=====>.....] - ETA: 0s - loss: 0.3717 - accuracy: 0.9200
246/750 [=====>.....] - ETA: 0s - loss: 0.3768 - accuracy: 0.9187
334/750 [=====>.....] - ETA: 0s - loss: 0.3812 - accuracy: 0.9168
420/750 [=====>.....] - ETA: 0s - loss: 0.3797 - accuracy: 0.9179
507/750 [=====>.....] - ETA: 0s - loss: 0.3812 - accuracy: 0.9173
596/750 [=====>.....] - ETA: 0s - loss: 0.3803 - accuracy: 0.9176
681/750 [=====>...] - ETA: 0s - loss: 0.3811 - accuracy: 0.9169
750/750 [=====>] - 1s 721us/step - loss: 0.3842 - accuracy: 0.9156 - val_loss: 0.5086 - val_accuracy: 0.8752
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.9160
176/750 [=====>.....] - ETA: 0s - loss: 0.3820 - accuracy: 0.9161
264/750 [=====>.....] - ETA: 0s - loss: 0.3824 - accuracy: 0.9150
352/750 [=====>.....] - ETA: 0s - loss: 0.3815 - accuracy: 0.9156

437/750 [=====>.....] - ETA: 0s - loss: 0.3814 - accuracy: 0.9159
524/750 [=====>.....] - ETA: 0s - loss: 0.3825 - accuracy: 0.9154
611/750 [=====>.....] - ETA: 0s - loss: 0.3816 - accuracy: 0.9158
697/750 [=====>...] - ETA: 0s - loss: 0.3817 - accuracy: 0.9161
750/750 [=====] - 1s 710us/step - loss: 0.3812 - accuracy: 0.9161 - val_loss: 0.4873 - val_accuracy: 0.8841
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.3005 - accuracy: 0.9688
87/750 [==>.....] - ETA: 0s - loss: 0.3716 - accuracy: 0.9156
173/750 [====>.....] - ETA: 0s - loss: 0.3684 - accuracy: 0.9220
260/750 [=====>.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.9199
349/750 [=====>.....] - ETA: 0s - loss: 0.3761 - accuracy: 0.9191
434/750 [=====>.....] - ETA: 0s - loss: 0.3750 - accuracy: 0.9201
522/750 [=====>.....] - ETA: 0s - loss: 0.3766 - accuracy: 0.9195
611/750 [=====>.....] - ETA: 0s - loss: 0.3815 - accuracy: 0.9175
699/750 [=====>...] - ETA: 0s - loss: 0.3824 - accuracy: 0.9172
750/750 [=====] - 1s 708us/step - loss: 0.3832 - accuracy: 0.9163 - val_loss: 0.5115 - val_accuracy: 0.8763
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.2379 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3739 - accuracy: 0.9213
175/750 [====>.....] - ETA: 0s - loss: 0.3761 - accuracy: 0.9200
263/750 [=====>.....] - ETA: 0s - loss: 0.3740 - accuracy: 0.9201
351/750 [=====>.....] - ETA: 0s - loss: 0.3769 - accuracy: 0.9190
435/750 [=====>.....] - ETA: 0s - loss: 0.3766 - accuracy: 0.9186
521/750 [=====>.....] - ETA: 0s - loss: 0.3795 - accuracy: 0.9174
603/750 [=====>.....] - ETA: 0s - loss: 0.3791 - accuracy: 0.9173

690/750 [=====>...] - ETA: 0s - loss: 0.3797 - accuracy:
0.9172
750/750 [=====] - 1s 714us/step - loss: 0.3807 - accuracy:
0.9170 - val_loss: 0.5132 - val_accuracy: 0.8745
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.3890 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.3734 - accuracy:
0.9239
177/750 [=====>.....] - ETA: 0s - loss: 0.3725 - accuracy:
0.9221
263/750 [=====>.....] - ETA: 0s - loss: 0.3776 - accuracy:
0.9193
349/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy:
0.9187
429/750 [=====>.....] - ETA: 0s - loss: 0.3806 - accuracy:
0.9183
517/750 [=====>.....] - ETA: 0s - loss: 0.3809 - accuracy:
0.9178
606/750 [=====>.....] - ETA: 0s - loss: 0.3781 - accuracy:
0.9187
692/750 [=====>...] - ETA: 0s - loss: 0.3788 - accuracy:
0.9184
750/750 [=====] - 1s 713us/step - loss: 0.3793 - accuracy:
0.9181 - val_loss: 0.5354 - val_accuracy: 0.8660
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.4743 - accuracy:
0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.3743 - accuracy:
0.9158
178/750 [=====>.....] - ETA: 0s - loss: 0.3800 - accuracy:
0.9138
258/750 [=====>.....] - ETA: 0s - loss: 0.3829 - accuracy:
0.9135
345/750 [=====>.....] - ETA: 0s - loss: 0.3822 - accuracy:
0.9149
434/750 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
0.9149
519/750 [=====>.....] - ETA: 0s - loss: 0.3816 - accuracy:
0.9151
604/750 [=====>.....] - ETA: 0s - loss: 0.3814 - accuracy:
0.9157
691/750 [=====>...] - ETA: 0s - loss: 0.3809 - accuracy:
0.9161
750/750 [=====] - 1s 716us/step - loss: 0.3809 - accuracy:
0.9158 - val_loss: 0.4934 - val_accuracy: 0.8788
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.3188 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.3791 - accuracy: 0.9188
175/750 [=====>.....] - ETA: 0s - loss: 0.3759 - accuracy: 0.9209
261/750 [=====>.....] - ETA: 0s - loss: 0.3756 - accuracy: 0.9198
349/750 [======>.....] - ETA: 0s - loss: 0.3760 - accuracy: 0.9189
436/750 [======>.....] - ETA: 0s - loss: 0.3749 - accuracy: 0.9192
525/750 [======>.....] - ETA: 0s - loss: 0.3758 - accuracy: 0.9190
610/750 [======>.....] - ETA: 0s - loss: 0.3746 - accuracy: 0.9193
699/750 [======>...] - ETA: 0s - loss: 0.3750 - accuracy: 0.9186
750/750 [=====] - 1s 706us/step - loss: 0.3756 - accuracy: 0.9181 - val_loss: 0.4849 - val_accuracy: 0.8822
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.4159 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.9237
172/750 [=====>.....] - ETA: 0s - loss: 0.3659 - accuracy: 0.9252
259/750 [=====>.....] - ETA: 0s - loss: 0.3705 - accuracy: 0.9228
348/750 [======>.....] - ETA: 0s - loss: 0.3718 - accuracy: 0.9214
435/750 [======>.....] - ETA: 0s - loss: 0.3721 - accuracy: 0.9209
517/750 [======>.....] - ETA: 0s - loss: 0.3734 - accuracy: 0.9204
604/750 [======>.....] - ETA: 0s - loss: 0.3746 - accuracy: 0.9201
693/750 [======>...] - ETA: 0s - loss: 0.3764 - accuracy: 0.9187
750/750 [=====] - 1s 710us/step - loss: 0.3757 - accuracy: 0.9190 - val_loss: 0.5024 - val_accuracy: 0.8808
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.4538 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.3908 - accuracy: 0.9187
173/750 [=====>.....] - ETA: 0s - loss: 0.3803 - accuracy: 0.9205

261/750 [=====>.....] - ETA: 0s - loss: 0.3725 - accuracy: 0.9219
348/750 [=====>.....] - ETA: 0s - loss: 0.3728 - accuracy: 0.9214
436/750 [=====>.....] - ETA: 0s - loss: 0.3720 - accuracy: 0.9215
522/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy: 0.9207
610/750 [=====>.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9204
699/750 [=====>...] - ETA: 0s - loss: 0.3746 - accuracy: 0.9198
750/750 [=====] - 1s 708us/step - loss: 0.3740 - accuracy: 0.9197 - val_loss: 0.4889 - val_accuracy: 0.8829
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.2485 - accuracy: 0.9844
88/750 [==>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9265
176/750 [=====>.....] - ETA: 0s - loss: 0.3823 - accuracy: 0.9189
261/750 [=====>.....] - ETA: 0s - loss: 0.3792 - accuracy: 0.9194
350/750 [=====>.....] - ETA: 0s - loss: 0.3775 - accuracy: 0.9198
436/750 [=====>.....] - ETA: 0s - loss: 0.3780 - accuracy: 0.9193
527/750 [=====>.....] - ETA: 0s - loss: 0.3783 - accuracy: 0.9190
613/750 [=====>.....] - ETA: 0s - loss: 0.3772 - accuracy: 0.9185
700/750 [=====>..] - ETA: 0s - loss: 0.3771 - accuracy: 0.9182
750/750 [=====] - 1s 708us/step - loss: 0.3782 - accuracy: 0.9180 - val_loss: 0.4792 - val_accuracy: 0.8842
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.2613 - accuracy: 0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3663 - accuracy: 0.9242
176/750 [=====>.....] - ETA: 0s - loss: 0.3717 - accuracy: 0.9197
265/750 [=====>.....] - ETA: 0s - loss: 0.3693 - accuracy: 0.9199
353/750 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy: 0.9193
440/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy: 0.9187

527/750 [=====>.....] - ETA: 0s - loss: 0.3758 - accuracy: 0.9183
614/750 [=====>.....] - ETA: 0s - loss: 0.3761 - accuracy: 0.9187
702/750 [=====>..] - ETA: 0s - loss: 0.3748 - accuracy: 0.9190
750/750 [=====] - 1s 706us/step - loss: 0.3739 - accuracy: 0.9194 - val_loss: 0.4986 - val_accuracy: 0.8810
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.3202 - accuracy: 0.9844
90/750 [==>.....] - ETA: 0s - loss: 0.3715 - accuracy: 0.9181
174/750 [====>.....] - ETA: 0s - loss: 0.3640 - accuracy: 0.9232
259/750 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy: 0.9210
346/750 [=====>.....] - ETA: 0s - loss: 0.3719 - accuracy: 0.9213
433/750 [=====>.....] - ETA: 0s - loss: 0.3732 - accuracy: 0.9204
520/750 [=====>.....] - ETA: 0s - loss: 0.3733 - accuracy: 0.9204
609/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy: 0.9202
696/750 [=====>...] - ETA: 0s - loss: 0.3721 - accuracy: 0.9209
750/750 [=====] - 1s 710us/step - loss: 0.3735 - accuracy: 0.9207 - val_loss: 0.5076 - val_accuracy: 0.8756
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.4312 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.3755 - accuracy: 0.9170
175/750 [====>.....] - ETA: 0s - loss: 0.3724 - accuracy: 0.9195
262/750 [=====>.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9185
350/750 [=====>.....] - ETA: 0s - loss: 0.3736 - accuracy: 0.9193
438/750 [=====>.....] - ETA: 0s - loss: 0.3722 - accuracy: 0.9207
522/750 [=====>.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.9211
610/750 [=====>.....] - ETA: 0s - loss: 0.3714 - accuracy: 0.9206
697/750 [=====>...] - ETA: 0s - loss: 0.3725 - accuracy: 0.9198

750/750 [=====] - 1s 708us/step - loss: 0.3722 - accuracy: 0.9201 - val_loss: 0.5124 - val_accuracy: 0.8777
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.4625 - accuracy: 0.8594
83/750 [==>.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9196
172/750 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy: 0.9216
257/750 [=====>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.9210
344/750 [======>.....] - ETA: 0s - loss: 0.3697 - accuracy: 0.9194
432/750 [======>.....] - ETA: 0s - loss: 0.3699 - accuracy: 0.9196
519/750 [======>.....] - ETA: 0s - loss: 0.3713 - accuracy: 0.9190
604/750 [======>.....] - ETA: 0s - loss: 0.3718 - accuracy: 0.9191
692/750 [======>...] - ETA: 0s - loss: 0.3723 - accuracy: 0.9192
750/750 [=====] - 1s 710us/step - loss: 0.3715 - accuracy: 0.9197 - val_loss: 0.4803 - val_accuracy: 0.8848
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.2947 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3596 - accuracy: 0.9224
175/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9186
264/750 [=====>.....] - ETA: 0s - loss: 0.3710 - accuracy: 0.9188
351/750 [======>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9198
438/750 [======>.....] - ETA: 0s - loss: 0.3680 - accuracy: 0.9189
526/750 [======>.....] - ETA: 0s - loss: 0.3681 - accuracy: 0.9189
613/750 [======>.....] - ETA: 0s - loss: 0.3666 - accuracy: 0.9197
699/750 [======>...] - ETA: 0s - loss: 0.3678 - accuracy: 0.9195
750/750 [=====] - 1s 709us/step - loss: 0.3695 - accuracy: 0.9191 - val_loss: 0.4989 - val_accuracy: 0.8793
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.2792 - accuracy: 0.9531

87/750 [==>.....] - ETA: 0s - loss: 0.3692 - accuracy: 0.9179
173/750 [=====>.....] - ETA: 0s - loss: 0.3668 - accuracy: 0.9204
261/750 [======>.....] - ETA: 0s - loss: 0.3701 - accuracy: 0.9195
348/750 [======>.....] - ETA: 0s - loss: 0.3702 - accuracy: 0.9188
436/750 [======>.....] - ETA: 0s - loss: 0.3690 - accuracy: 0.9198
521/750 [======>.....] - ETA: 0s - loss: 0.3675 - accuracy: 0.9206
606/750 [======>.....] - ETA: 0s - loss: 0.3684 - accuracy: 0.9202
696/750 [======>...] - ETA: 0s - loss: 0.3686 - accuracy: 0.9198
750/750 [=====] - 1s 702us/step - loss: 0.3700 - accuracy: 0.9195 - val_loss: 0.4782 - val_accuracy: 0.8852
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3806 - accuracy: 0.9175
174/750 [=====>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9222
263/750 [======>.....] - ETA: 0s - loss: 0.3619 - accuracy: 0.9245
348/750 [======>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9239
437/750 [======>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.9225
526/750 [======>.....] - ETA: 0s - loss: 0.3692 - accuracy: 0.9214
611/750 [======>.....] - ETA: 0s - loss: 0.3679 - accuracy: 0.9224
699/750 [======>...] - ETA: 0s - loss: 0.3667 - accuracy: 0.9225
750/750 [=====] - 1s 710us/step - loss: 0.3681 - accuracy: 0.9220 - val_loss: 0.5051 - val_accuracy: 0.8780
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.2842 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.3656 - accuracy: 0.9187
175/750 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy: 0.9203
261/750 [======>.....] - ETA: 0s - loss: 0.3666 - accuracy: 0.9201

348/750 [=====>.....] - ETA: 0s - loss: 0.3700 - accuracy: 0.9188
433/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy: 0.9202
520/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy: 0.9198
602/750 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy: 0.9190
690/750 [=====>...] - ETA: 0s - loss: 0.3674 - accuracy: 0.9203
750/750 [=====] - 1s 717us/step - loss: 0.3679 - accuracy: 0.9206 - val_loss: 0.4889 - val_accuracy: 0.8811
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.4415 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9271
174/750 [====>.....] - ETA: 0s - loss: 0.3612 - accuracy: 0.9233
263/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.9226
348/750 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy: 0.9239
433/750 [=====>.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9235
516/750 [=====>.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9230
599/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9220
685/750 [=====>...] - ETA: 0s - loss: 0.3658 - accuracy: 0.9218
750/750 [=====] - 1s 733us/step - loss: 0.3669 - accuracy: 0.9212 - val_loss: 0.4963 - val_accuracy: 0.8798
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.3961 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.3594 - accuracy: 0.9239
174/750 [====>.....] - ETA: 0s - loss: 0.3581 - accuracy: 0.9225
258/750 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy: 0.9210
346/750 [=====>.....] - ETA: 0s - loss: 0.3654 - accuracy: 0.9208
431/750 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy: 0.9215
520/750 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy: 0.9218

604/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:
0.9220
691/750 [=====>...] - ETA: 0s - loss: 0.3641 - accuracy:
0.9213
750/750 [=====] - 1s 714us/step - loss: 0.3657 - accuracy:
0.9214 - val_loss: 0.5126 - val_accuracy: 0.8729
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9171
174/750 [====>.....] - ETA: 0s - loss: 0.3676 - accuracy:
0.9189
260/750 [=====>.....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9171
346/750 [=====>.....] - ETA: 0s - loss: 0.3707 - accuracy:
0.9187
431/750 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9201
514/750 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9203
598/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9205
684/750 [=====>...] - ETA: 0s - loss: 0.3691 - accuracy:
0.9206
750/750 [=====] - 1s 724us/step - loss: 0.3680 - accuracy:
0.9209 - val_loss: 0.4810 - val_accuracy: 0.8869
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.5096 - accuracy:
0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9281
173/750 [====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
0.9245
260/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy:
0.9245
345/750 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
0.9238
430/750 [=====>.....] - ETA: 0s - loss: 0.3611 - accuracy:
0.9233
518/750 [=====>.....] - ETA: 0s - loss: 0.3653 - accuracy:
0.9220
601/750 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy:
0.9214
688/750 [=====>...] - ETA: 0s - loss: 0.3648 - accuracy:
0.9216
750/750 [=====] - 1s 718us/step - loss: 0.3646 - accuracy:
0.9217 - val_loss: 0.4891 - val_accuracy: 0.8827

Epoch 105/220

```
1/750 [.....] - ETA: 0s - loss: 0.2733 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3708 - accuracy: 0.9179
172/750 [====>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.9183
258/750 [=====>.....] - ETA: 0s - loss: 0.3662 - accuracy: 0.9190
342/750 [======>.....] - ETA: 0s - loss: 0.3670 - accuracy: 0.9193
425/750 [======>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.9200
508/750 [======>.....] - ETA: 0s - loss: 0.3664 - accuracy: 0.9198
595/750 [======>.....] - ETA: 0s - loss: 0.3674 - accuracy: 0.9196
676/750 [======>...] - ETA: 0s - loss: 0.3667 - accuracy: 0.9199
750/750 [=====] - 1s 728us/step - loss: 0.3658 - accuracy: 0.9205 - val_loss: 0.4910 - val_accuracy: 0.8843
Epoch 106/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.2985 - accuracy: 0.9844
88/750 [==>.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9226
170/750 [====>.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.9224
245/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy: 0.9233
329/750 [======>.....] - ETA: 0s - loss: 0.3593 - accuracy: 0.9238
415/750 [======>.....] - ETA: 0s - loss: 0.3619 - accuracy: 0.9229
504/750 [======>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9219
592/750 [======>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.9220
678/750 [======>...] - ETA: 0s - loss: 0.3633 - accuracy: 0.9216
750/750 [=====] - 1s 724us/step - loss: 0.3651 - accuracy: 0.9210 - val_loss: 0.5101 - val_accuracy: 0.8781
Epoch 107/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3958 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.3665 - accuracy: 0.9253
```

175/750 [=====>.....] - ETA: 0s - loss: 0.3688 - accuracy: 0.9221
262/750 [=====>.....] - ETA: 0s - loss: 0.3646 - accuracy: 0.9228
346/750 [=====>.....] - ETA: 0s - loss: 0.3642 - accuracy: 0.9235
433/750 [=====>.....] - ETA: 0s - loss: 0.3675 - accuracy: 0.9220
522/750 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy: 0.9228
610/750 [=====>.....] - ETA: 0s - loss: 0.3667 - accuracy: 0.9220
697/750 [=====>...] - ETA: 0s - loss: 0.3657 - accuracy: 0.9222
750/750 [=====>] - 1s 709us/step - loss: 0.3643 - accuracy: 0.9226 - val_loss: 0.4797 - val_accuracy: 0.8857
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.3259 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3476 - accuracy: 0.9315
175/750 [=====>.....] - ETA: 0s - loss: 0.3496 - accuracy: 0.9285
261/750 [=====>.....] - ETA: 0s - loss: 0.3555 - accuracy: 0.9257
350/750 [=====>.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9248
437/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9246
525/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy: 0.9239
613/750 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy: 0.9238
700/750 [=====>..] - ETA: 0s - loss: 0.3619 - accuracy: 0.9234
750/750 [=====>] - 1s 706us/step - loss: 0.3629 - accuracy: 0.9230 - val_loss: 0.5290 - val_accuracy: 0.8718
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.3662 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.3694 - accuracy: 0.9195
173/750 [=====>.....] - ETA: 0s - loss: 0.3640 - accuracy: 0.9215
255/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy: 0.9239
346/750 [=====>.....] - ETA: 0s - loss: 0.3628 - accuracy: 0.9225

430/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy: 0.9230
516/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy: 0.9229
606/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy: 0.9234
693/750 [=====>...] - ETA: 0s - loss: 0.3631 - accuracy: 0.9223
750/750 [=====] - 1s 709us/step - loss: 0.3629 - accuracy: 0.9225 - val_loss: 0.4815 - val_accuracy: 0.8859
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.3818 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3612 - accuracy: 0.9263
177/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy: 0.9249
264/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9267
352/750 [=====>.....] - ETA: 0s - loss: 0.3586 - accuracy: 0.9257
443/750 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy: 0.9240
531/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9230
619/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy: 0.9231
707/750 [=====>..] - ETA: 0s - loss: 0.3652 - accuracy: 0.9228
750/750 [=====] - 1s 705us/step - loss: 0.3657 - accuracy: 0.9225 - val_loss: 0.5132 - val_accuracy: 0.8756
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3556 - accuracy: 0.9273
174/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy: 0.9266
259/750 [=====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9250
346/750 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy: 0.9244
434/750 [=====>.....] - ETA: 0s - loss: 0.3613 - accuracy: 0.9230
521/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy: 0.9225
610/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9222

696/750 [=====>...] - ETA: 0s - loss: 0.3625 - accuracy: 0.9231
750/750 [=====] - 1s 706us/step - loss: 0.3629 - accuracy: 0.9226 - val_loss: 0.5091 - val_accuracy: 0.8760
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.2933 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3597 - accuracy: 0.9266
179/750 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy: 0.9274
266/750 [=====>.....] - ETA: 0s - loss: 0.3601 - accuracy: 0.9252
354/750 [======>.....] - ETA: 0s - loss: 0.3572 - accuracy: 0.9258
444/750 [======>.....] - ETA: 0s - loss: 0.3595 - accuracy: 0.9252
527/750 [======>.....] - ETA: 0s - loss: 0.3610 - accuracy: 0.9243
613/750 [======>.....] - ETA: 0s - loss: 0.3624 - accuracy: 0.9237
697/750 [======>...] - ETA: 0s - loss: 0.3633 - accuracy: 0.9232
750/750 [=====] - 1s 713us/step - loss: 0.3629 - accuracy: 0.9233 - val_loss: 0.4795 - val_accuracy: 0.8833
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.4498 - accuracy: 0.9531
84/750 [==>.....] - ETA: 0s - loss: 0.3494 - accuracy: 0.9280
169/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy: 0.9283
250/750 [======>.....] - ETA: 0s - loss: 0.3551 - accuracy: 0.9273
338/750 [======>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9268
423/750 [======>.....] - ETA: 0s - loss: 0.3576 - accuracy: 0.9252
510/750 [======>.....] - ETA: 0s - loss: 0.3581 - accuracy: 0.9247
596/750 [======>.....] - ETA: 0s - loss: 0.3598 - accuracy: 0.9241
682/750 [======>...] - ETA: 0s - loss: 0.3600 - accuracy: 0.9238
750/750 [=====] - 1s 725us/step - loss: 0.3604 - accuracy: 0.9236 - val_loss: 0.4767 - val_accuracy: 0.8850
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9306
172/750 [====>.....] - ETA: 0s - loss: 0.3524 - accuracy: 0.9256
256/750 [=====>.....] - ETA: 0s - loss: 0.3537 - accuracy: 0.9251
339/750 [======>.....] - ETA: 0s - loss: 0.3537 - accuracy: 0.9264
428/750 [======>.....] - ETA: 0s - loss: 0.3567 - accuracy: 0.9246
511/750 [======>.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9245
596/750 [======>.....] - ETA: 0s - loss: 0.3575 - accuracy: 0.9245
683/750 [======>...] - ETA: 0s - loss: 0.3575 - accuracy: 0.9249
750/750 [=====] - 1s 724us/step - loss: 0.3596 - accuracy: 0.9240 - val_loss: 0.5032 - val_accuracy: 0.8777
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.3612 - accuracy: 0.8906
83/750 [==>.....] - ETA: 0s - loss: 0.3587 - accuracy: 0.9247
173/750 [====>.....] - ETA: 0s - loss: 0.3569 - accuracy: 0.9255
259/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy: 0.9271
343/750 [======>.....] - ETA: 0s - loss: 0.3566 - accuracy: 0.9263
431/750 [======>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9259
516/750 [======>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9259
601/750 [======>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9256
688/750 [======>...] - ETA: 0s - loss: 0.3571 - accuracy: 0.9254
750/750 [=====] - 1s 722us/step - loss: 0.3576 - accuracy: 0.9250 - val_loss: 0.5252 - val_accuracy: 0.8752
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.2848 - accuracy: 0.9688
84/750 [==>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9269
172/750 [====>.....] - ETA: 0s - loss: 0.3544 - accuracy: 0.9262

259/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9269
346/750 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy: 0.9256
433/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9263
519/750 [=====>.....] - ETA: 0s - loss: 0.3562 - accuracy: 0.9257
607/750 [=====>.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.9255
692/750 [=====>...] - ETA: 0s - loss: 0.3569 - accuracy: 0.9260
750/750 [=====] - 1s 714us/step - loss: 0.3572 - accuracy: 0.9258 - val_loss: 0.5134 - val_accuracy: 0.8755
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.3728 - accuracy: 0.9531
90/750 [==>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9307
176/750 [=====>.....] - ETA: 0s - loss: 0.3602 - accuracy: 0.9244
263/750 [=====>.....] - ETA: 0s - loss: 0.3556 - accuracy: 0.9260
349/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9259
435/750 [=====>.....] - ETA: 0s - loss: 0.3555 - accuracy: 0.9259
526/750 [=====>.....] - ETA: 0s - loss: 0.3554 - accuracy: 0.9259
612/750 [=====>.....] - ETA: 0s - loss: 0.3568 - accuracy: 0.9248
701/750 [=====>...] - ETA: 0s - loss: 0.3579 - accuracy: 0.9244
750/750 [=====] - 1s 706us/step - loss: 0.3570 - accuracy: 0.9247 - val_loss: 0.4911 - val_accuracy: 0.8824
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9272
176/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9292
263/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy: 0.9285
351/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9269
435/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9268

523/750 [=====>.....] - ETA: 0s - loss: 0.3552 - accuracy: 0.9269
610/750 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy: 0.9261
697/750 [=====>...] - ETA: 0s - loss: 0.3559 - accuracy: 0.9258
750/750 [=====] - 1s 712us/step - loss: 0.3572 - accuracy: 0.9251 - val_loss: 0.4925 - val_accuracy: 0.8813
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.3373 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3387 - accuracy: 0.9289
177/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9266
264/750 [=====>.....] - ETA: 0s - loss: 0.3465 - accuracy: 0.9273
352/750 [=====>.....] - ETA: 0s - loss: 0.3506 - accuracy: 0.9259
439/750 [=====>.....] - ETA: 0s - loss: 0.3521 - accuracy: 0.9257
528/750 [=====>.....] - ETA: 0s - loss: 0.3527 - accuracy: 0.9259
617/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9247
705/750 [=====>..] - ETA: 0s - loss: 0.3543 - accuracy: 0.9245
750/750 [=====] - 1s 705us/step - loss: 0.3558 - accuracy: 0.9239 - val_loss: 0.5034 - val_accuracy: 0.8791
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.4168 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.3561 - accuracy: 0.9255
177/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9262
261/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy: 0.9263
345/750 [=====>.....] - ETA: 0s - loss: 0.3566 - accuracy: 0.9259
427/750 [=====>.....] - ETA: 0s - loss: 0.3580 - accuracy: 0.9257
501/750 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy: 0.9253
583/750 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy: 0.9250
657/750 [=====>...] - ETA: 0s - loss: 0.3573 - accuracy: 0.9257

744/750 [=====>.] - ETA: 0s - loss: 0.3566 - accuracy:
0.9257
750/750 [=====] - 1s 741us/step - loss: 0.3566 - accuracy:
0.9258 - val_loss: 0.4926 - val_accuracy: 0.8884
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.2702 - accuracy:
0.9688
83/750 [==>.....] - ETA: 0s - loss: 0.3515 - accuracy:
0.9258
168/750 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy:
0.9289
254/750 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9275
339/750 [======>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9245
409/750 [======>.....] - ETA: 0s - loss: 0.3566 - accuracy:
0.9246
496/750 [======>.....] - ETA: 0s - loss: 0.3577 - accuracy:
0.9242
581/750 [======>.....] - ETA: 0s - loss: 0.3598 - accuracy:
0.9241
669/750 [======>...] - ETA: 0s - loss: 0.3593 - accuracy:
0.9249
750/750 [=====] - 1s 729us/step - loss: 0.3580 - accuracy:
0.9255 - val_loss: 0.4987 - val_accuracy: 0.8792
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.4246 - accuracy:
0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.3416 - accuracy:
0.9301
173/750 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9277
258/750 [=====>.....] - ETA: 0s - loss: 0.3534 - accuracy:
0.9265
344/750 [======>.....] - ETA: 0s - loss: 0.3563 - accuracy:
0.9258
428/750 [======>.....] - ETA: 0s - loss: 0.3572 - accuracy:
0.9252
512/750 [======>.....] - ETA: 0s - loss: 0.3561 - accuracy:
0.9254
589/750 [======>.....] - ETA: 0s - loss: 0.3558 - accuracy:
0.9257
676/750 [======>...] - ETA: 0s - loss: 0.3572 - accuracy:
0.9248
750/750 [=====] - 1s 722us/step - loss: 0.3556 - accuracy:
0.9254 - val_loss: 0.4999 - val_accuracy: 0.8833
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.3952 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9277
176/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy: 0.9287
265/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9272
355/750 [======>.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9271
440/750 [======>.....] - ETA: 0s - loss: 0.3493 - accuracy: 0.9272
528/750 [======>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9271
617/750 [======>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9263
689/750 [======>...] - ETA: 0s - loss: 0.3534 - accuracy: 0.9261
750/750 [=====] - 1s 721us/step - loss: 0.3549 - accuracy: 0.9254 - val_loss: 0.4964 - val_accuracy: 0.8834
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.2902 - accuracy: 0.9375
83/750 [==>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9322
163/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy: 0.9315
245/750 [=====>.....] - ETA: 0s - loss: 0.3464 - accuracy: 0.9280
329/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9276
409/750 [=====>.....] - ETA: 0s - loss: 0.3473 - accuracy: 0.9282
492/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9275
578/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy: 0.9263
661/750 [=====>.....] - ETA: 0s - loss: 0.3536 - accuracy: 0.9259
746/750 [=====>.] - ETA: 0s - loss: 0.3548 - accuracy: 0.9252
750/750 [=====] - 1s 744us/step - loss: 0.3555 - accuracy: 0.9250 - val_loss: 0.5313 - val_accuracy: 0.8716
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.3199 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3510 - accuracy: 0.9311

167/750 [====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9296
251/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy: 0.9292
336/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy: 0.9278
418/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy: 0.9270
503/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy: 0.9270
584/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9273
667/750 [=====>....] - ETA: 0s - loss: 0.3506 - accuracy: 0.9278
750/750 [=====>.....] - 1s 741us/step - loss: 0.3519 - accuracy: 0.9273 - val_loss: 0.4903 - val_accuracy: 0.8835
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.4350 - accuracy: 0.9062
80/750 [==>.....] - ETA: 0s - loss: 0.3627 - accuracy: 0.9236
163/750 [====>.....] - ETA: 0s - loss: 0.3579 - accuracy: 0.9245
246/750 [=====>.....] - ETA: 0s - loss: 0.3572 - accuracy: 0.9254
330/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy: 0.9272
412/750 [=====>.....] - ETA: 0s - loss: 0.3509 - accuracy: 0.9274
495/750 [=====>.....] - ETA: 0s - loss: 0.3515 - accuracy: 0.9273
580/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9264
661/750 [=====>....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9262
745/750 [=====>.] - ETA: 0s - loss: 0.3537 - accuracy: 0.9264
750/750 [=====>.....] - 1s 740us/step - loss: 0.3540 - accuracy: 0.9264 - val_loss: 0.5064 - val_accuracy: 0.8756
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.5273 - accuracy: 0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.3612 - accuracy: 0.9230
169/750 [====>.....] - ETA: 0s - loss: 0.3638 - accuracy: 0.9224
255/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy: 0.9229

339/750 [=====>.....] - ETA: 0s - loss: 0.3563 - accuracy: 0.9250
421/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy: 0.9254
504/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9261
587/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.9267
670/750 [=====>....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9264
750/750 [=====] - 1s 742us/step - loss: 0.3545 - accuracy: 0.9265 - val_loss: 0.4871 - val_accuracy: 0.8852
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.2998 - accuracy: 0.9531
91/750 [==>.....] - ETA: 0s - loss: 0.3364 - accuracy: 0.9341
176/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy: 0.9265
266/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy: 0.9256
355/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9260
442/750 [=====>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9245
531/750 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy: 0.9263
619/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.9263
705/750 [=====>..] - ETA: 0s - loss: 0.3533 - accuracy: 0.9266
750/750 [=====] - 1s 702us/step - loss: 0.3525 - accuracy: 0.9268 - val_loss: 0.4974 - val_accuracy: 0.8830
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.3016 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3559 - accuracy: 0.9261
176/750 [=====>.....] - ETA: 0s - loss: 0.3551 - accuracy: 0.9264
263/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy: 0.9279
352/750 [=====>.....] - ETA: 0s - loss: 0.3541 - accuracy: 0.9265
439/750 [=====>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9255
526/750 [=====>.....] - ETA: 0s - loss: 0.3553 - accuracy: 0.9256

613/750 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy: 0.9265
698/750 [=====>...] - ETA: 0s - loss: 0.3519 - accuracy: 0.9273
750/750 [=====] - 1s 712us/step - loss: 0.3523 - accuracy: 0.9269 - val_loss: 0.5865 - val_accuracy: 0.8512
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.5098 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9247
175/750 [=====>.....] - ETA: 0s - loss: 0.3491 - accuracy: 0.9247
260/750 [=====>.....] - ETA: 0s - loss: 0.3528 - accuracy: 0.9254
344/750 [=====>.....] - ETA: 0s - loss: 0.3519 - accuracy: 0.9244
431/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy: 0.9244
517/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy: 0.9247
604/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy: 0.9254
691/750 [=====>...] - ETA: 0s - loss: 0.3517 - accuracy: 0.9259
750/750 [=====] - 1s 718us/step - loss: 0.3529 - accuracy: 0.9251 - val_loss: 0.4900 - val_accuracy: 0.8828
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.2747 - accuracy: 0.9688
84/750 [==>.....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9343
164/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy: 0.9329
246/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9317
328/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9298
416/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy: 0.9295
501/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy: 0.9279
583/750 [=====>.....] - ETA: 0s - loss: 0.3518 - accuracy: 0.9277
673/750 [=====>...] - ETA: 0s - loss: 0.3533 - accuracy: 0.9266
750/750 [=====] - 1s 728us/step - loss: 0.3527 - accuracy: 0.9263 - val_loss: 0.5480 - val_accuracy: 0.8716

Epoch 132/220

```
1/750 [.....] - ETA: 0s - loss: 0.3204 - accuracy:
0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9308
175/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9329
259/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9306
345/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy:
0.9302
434/750 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy:
0.9277
522/750 [=====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
0.9279
608/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9274
698/750 [=====>...] - ETA: 0s - loss: 0.3508 - accuracy:
0.9271
750/750 [=====>] - 1s 709us/step - loss: 0.3502 - accuracy:
0.9273 - val_loss: 0.4888 - val_accuracy: 0.8853
Epoch 133/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.2683 - accuracy:
0.9688
87/750 [==>.....] - ETA: 0s - loss: 0.3440 - accuracy:
0.9296
172/750 [=====>.....] - ETA: 0s - loss: 0.3452 - accuracy:
0.9300
263/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy:
0.9272
349/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy:
0.9283
438/750 [=====>.....] - ETA: 0s - loss: 0.3499 - accuracy:
0.9292
523/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9293
608/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9290
696/750 [=====>...] - ETA: 0s - loss: 0.3501 - accuracy:
0.9283
750/750 [=====>] - 1s 712us/step - loss: 0.3514 - accuracy:
0.9276 - val_loss: 0.4966 - val_accuracy: 0.8836
Epoch 134/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.2893 - accuracy:
0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9295
```

174/750 [====>.....] - ETA: 0s - loss: 0.3469 - accuracy: 0.9294
262/750 [=====>.....] - ETA: 0s - loss: 0.3490 - accuracy: 0.9286
348/750 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9286
434/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9270
522/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9266
608/750 [=====>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9265
694/750 [=====>...] - ETA: 0s - loss: 0.3514 - accuracy: 0.9266
750/750 [=====] - 1s 712us/step - loss: 0.3505 - accuracy: 0.9267 - val_loss: 0.5149 - val_accuracy: 0.8778
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.3784 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.3519 - accuracy: 0.9280
174/750 [====>.....] - ETA: 0s - loss: 0.3484 - accuracy: 0.9297
264/750 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy: 0.9292
351/750 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.9287
439/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy: 0.9281
524/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy: 0.9280
611/750 [=====>.....] - ETA: 0s - loss: 0.3516 - accuracy: 0.9273
699/750 [=====>...] - ETA: 0s - loss: 0.3525 - accuracy: 0.9271
750/750 [=====] - 1s 708us/step - loss: 0.3522 - accuracy: 0.9274 - val_loss: 0.5274 - val_accuracy: 0.8763
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.3766 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3444 - accuracy: 0.9316
177/750 [====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9309
264/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.9303
350/750 [=====>.....] - ETA: 0s - loss: 0.3441 - accuracy: 0.9304

438/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy: 0.9301
528/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy: 0.9307
614/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9294
701/750 [=====>..] - ETA: 0s - loss: 0.3501 - accuracy: 0.9280
750/750 [=====] - 1s 705us/step - loss: 0.3496 - accuracy: 0.9283 - val_loss: 0.4855 - val_accuracy: 0.8870
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.2900 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9366
175/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy: 0.9330
261/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9333
350/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy: 0.9332
436/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy: 0.9329
524/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy: 0.9318
613/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy: 0.9311
700/750 [=====>..] - ETA: 0s - loss: 0.3500 - accuracy: 0.9295
750/750 [=====] - 1s 709us/step - loss: 0.3493 - accuracy: 0.9293 - val_loss: 0.5261 - val_accuracy: 0.8757
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.4216 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.3644 - accuracy: 0.9219
178/750 [=====>.....] - ETA: 0s - loss: 0.3529 - accuracy: 0.9269
266/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9287
356/750 [=====>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9270
443/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9267
531/750 [=====>.....] - ETA: 0s - loss: 0.3492 - accuracy: 0.9271
621/750 [=====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9272

705/750 [=====>..] - ETA: 0s - loss: 0.3492 - accuracy:
0.9270
750/750 [=====] - 1s 701us/step - loss: 0.3492 - accuracy:
0.9272 - val_loss: 0.4978 - val_accuracy: 0.8822
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9688
88/750 [==>.....] - ETA: 0s - loss: 0.3464 - accuracy:
0.9277
175/750 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9262
252/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9270
331/750 [=====>.....] - ETA: 0s - loss: 0.3466 - accuracy:
0.9284
420/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9279
504/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9280
588/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy:
0.9279
676/750 [=====>..] - ETA: 0s - loss: 0.3487 - accuracy:
0.9277
750/750 [=====] - 1s 721us/step - loss: 0.3490 - accuracy:
0.9277 - val_loss: 0.5091 - val_accuracy: 0.8801
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9237
173/750 [=====>.....] - ETA: 0s - loss: 0.3546 - accuracy:
0.9253
257/750 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9267
309/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9271
385/750 [=====>.....] - ETA: 0s - loss: 0.3484 - accuracy:
0.9276
470/750 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy:
0.9280
554/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9275
642/750 [=====>....] - ETA: 0s - loss: 0.3485 - accuracy:
0.9272
727/750 [=====>.] - ETA: 0s - loss: 0.3494 - accuracy:
0.9270
750/750 [=====] - 1s 754us/step - loss: 0.3498 - accuracy:
0.9269 - val_loss: 0.5198 - val_accuracy: 0.8756

Epoch 141/220

```
1/750 [.....] - ETA: 0s - loss: 0.2113 - accuracy:
0.9844
89/750 [==>.....] - ETA: 0s - loss: 0.3387 - accuracy:
0.9338
175/750 [=====>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9311
259/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy:
0.9302
349/750 [=====>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9288
439/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
0.9280
524/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9288
612/750 [=====>.....] - ETA: 0s - loss: 0.3495 - accuracy:
0.9278
702/750 [=====>..] - ETA: 0s - loss: 0.3481 - accuracy:
0.9285
750/750 [=====>] - 1s 702us/step - loss: 0.3486 - accuracy:
0.9285 - val_loss: 0.5532 - val_accuracy: 0.8662
Epoch 142/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.2173 - accuracy:
0.9688
86/750 [==>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9340
174/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9317
263/750 [=====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9310
348/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9305
436/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9307
525/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9302
610/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9295
699/750 [=====>...] - ETA: 0s - loss: 0.3464 - accuracy:
0.9296
750/750 [=====>] - 1s 712us/step - loss: 0.3480 - accuracy:
0.9288 - val_loss: 0.4916 - val_accuracy: 0.8842
Epoch 143/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3154 - accuracy:
0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9338
```

173/750 [====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9324
261/750 [=====>.....] - ETA: 0s - loss: 0.3420 - accuracy: 0.9329
349/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy: 0.9320
435/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9302
525/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9296
612/750 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.9295
699/750 [=====>...] - ETA: 0s - loss: 0.3467 - accuracy: 0.9297
750/750 [=====] - 1s 706us/step - loss: 0.3467 - accuracy: 0.9297 - val_loss: 0.5037 - val_accuracy: 0.8794
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.2693 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9312
175/750 [====>.....] - ETA: 0s - loss: 0.3497 - accuracy: 0.9287
264/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9281
348/750 [=====>.....] - ETA: 0s - loss: 0.3504 - accuracy: 0.9291
436/750 [=====>.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9289
524/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy: 0.9305
609/750 [=====>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9306
696/750 [=====>...] - ETA: 0s - loss: 0.3470 - accuracy: 0.9307
750/750 [=====] - 1s 713us/step - loss: 0.3476 - accuracy: 0.9306 - val_loss: 0.4840 - val_accuracy: 0.8860
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.2576 - accuracy: 0.9531
90/750 [==>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9312
176/750 [====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9313
265/750 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9317
351/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9308

439/750 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy: 0.9290
528/750 [=====>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9288
615/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9287
704/750 [=====>..] - ETA: 0s - loss: 0.3479 - accuracy: 0.9281
750/750 [=====] - 1s 702us/step - loss: 0.3487 - accuracy: 0.9279 - val_loss: 0.5143 - val_accuracy: 0.8776
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.4989 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.3385 - accuracy: 0.9336
176/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy: 0.9308
265/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy: 0.9290
355/750 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy: 0.9289
439/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9307
527/750 [=====>.....] - ETA: 0s - loss: 0.3442 - accuracy: 0.9309
616/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9296
699/750 [=====>...] - ETA: 0s - loss: 0.3464 - accuracy: 0.9297
750/750 [=====] - 1s 710us/step - loss: 0.3463 - accuracy: 0.9300 - val_loss: 0.4889 - val_accuracy: 0.8852
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.2670 - accuracy: 0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9333
177/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy: 0.9339
265/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9329
351/750 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9329
437/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9311
525/750 [=====>.....] - ETA: 0s - loss: 0.3465 - accuracy: 0.9297
612/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy: 0.9306

699/750 [=====>...] - ETA: 0s - loss: 0.3458 - accuracy:
0.9302
750/750 [=====] - 1s 706us/step - loss: 0.3445 - accuracy:
0.9308 - val_loss: 0.4932 - val_accuracy: 0.8852
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.4677 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9305
178/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy:
0.9306
263/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9297
349/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9307
437/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9312
525/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy:
0.9294
611/750 [=====>.....] - ETA: 0s - loss: 0.3454 - accuracy:
0.9288
695/750 [=====>...] - ETA: 0s - loss: 0.3467 - accuracy:
0.9284
750/750 [=====] - 1s 712us/step - loss: 0.3468 - accuracy:
0.9284 - val_loss: 0.4964 - val_accuracy: 0.8836
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3472 - accuracy:
0.9317
178/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy:
0.9335
264/750 [=====>.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9311
352/750 [=====>.....] - ETA: 0s - loss: 0.3493 - accuracy:
0.9280
441/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy:
0.9287
529/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
0.9304
617/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9305
704/750 [=====>..] - ETA: 0s - loss: 0.3472 - accuracy:
0.9299
750/750 [=====] - 1s 705us/step - loss: 0.3467 - accuracy:
0.9298 - val_loss: 0.4895 - val_accuracy: 0.8885
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.2756 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9266
175/750 [=====>.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9306
262/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9323
344/750 [======>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9320
431/750 [======>.....] - ETA: 0s - loss: 0.3439 - accuracy: 0.9312
519/750 [======>.....] - ETA: 0s - loss: 0.3421 - accuracy: 0.9316
606/750 [======>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9309
694/750 [======>...] - ETA: 0s - loss: 0.3439 - accuracy: 0.9307
750/750 [=====] - 1s 706us/step - loss: 0.3452 - accuracy: 0.9303 - val_loss: 0.6207 - val_accuracy: 0.8426
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.4093 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3279 - accuracy: 0.9373
176/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9351
264/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9356
349/750 [======>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9335
435/750 [======>.....] - ETA: 0s - loss: 0.3374 - accuracy: 0.9330
520/750 [======>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9322
604/750 [======>.....] - ETA: 0s - loss: 0.3407 - accuracy: 0.9320
692/750 [======>...] - ETA: 0s - loss: 0.3433 - accuracy: 0.9309
750/750 [=====] - 1s 716us/step - loss: 0.3441 - accuracy: 0.9307 - val_loss: 0.4967 - val_accuracy: 0.8815
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.2896 - accuracy: 0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.3327 - accuracy: 0.9322
170/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy: 0.9300

257/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9309
342/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9309
423/750 [=====>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9315
510/750 [=====>.....] - ETA: 0s - loss: 0.3431 - accuracy: 0.9309
592/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.9305
678/750 [=====>...] - ETA: 0s - loss: 0.3433 - accuracy: 0.9306
750/750 [=====] - 1s 728us/step - loss: 0.3438 - accuracy: 0.9306 - val_loss: 0.5102 - val_accuracy: 0.8817
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.4184 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9325
170/750 [====>.....] - ETA: 0s - loss: 0.3368 - accuracy: 0.9349
258/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9333
345/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9305
430/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy: 0.9301
517/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9305
603/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9302
688/750 [=====>...] - ETA: 0s - loss: 0.3464 - accuracy: 0.9299
750/750 [=====] - 1s 718us/step - loss: 0.3468 - accuracy: 0.9294 - val_loss: 0.5026 - val_accuracy: 0.8809
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.2787 - accuracy: 0.9375
83/750 [==>.....] - ETA: 0s - loss: 0.3348 - accuracy: 0.9347
172/750 [====>.....] - ETA: 0s - loss: 0.3358 - accuracy: 0.9331
256/750 [=====>.....] - ETA: 0s - loss: 0.3398 - accuracy: 0.9324
342/750 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy: 0.9326
428/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.9318

513/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy: 0.9311
600/750 [=====>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9310
686/750 [=====>...] - ETA: 0s - loss: 0.3441 - accuracy: 0.9308
750/750 [=====] - 1s 716us/step - loss: 0.3463 - accuracy: 0.9300 - val_loss: 0.5069 - val_accuracy: 0.8817
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.2980 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3319 - accuracy: 0.9359
175/750 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy: 0.9357
262/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9342
351/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.9324
438/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.9322
527/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9316
614/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9318
702/750 [=====>..] - ETA: 0s - loss: 0.3422 - accuracy: 0.9316
750/750 [=====] - 1s 709us/step - loss: 0.3428 - accuracy: 0.9315 - val_loss: 0.5147 - val_accuracy: 0.8777
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.4092 - accuracy: 0.8906
80/750 [==>.....] - ETA: 0s - loss: 0.3451 - accuracy: 0.9303
165/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9347
252/750 [=====>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.9337
341/750 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9347
429/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9323
518/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy: 0.9325
607/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy: 0.9319
693/750 [=====>...] - ETA: 0s - loss: 0.3417 - accuracy: 0.9318

750/750 [=====] - 1s 717us/step - loss: 0.3411 - accuracy: 0.9319 - val_loss: 0.5536 - val_accuracy: 0.8659
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.4824 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9255
176/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy: 0.9276
264/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9289
353/750 [======>.....] - ETA: 0s - loss: 0.3435 - accuracy: 0.9279
439/750 [======>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9284
527/750 [======>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9290
618/750 [======>.....] - ETA: 0s - loss: 0.3438 - accuracy: 0.9286
706/750 [======>..] - ETA: 0s - loss: 0.3447 - accuracy: 0.9292
750/750 [=====] - 1s 706us/step - loss: 0.3456 - accuracy: 0.9289 - val_loss: 0.4957 - val_accuracy: 0.8867
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.3408 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.3399 - accuracy: 0.9347
162/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9351
245/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9369
330/750 [======>.....] - ETA: 0s - loss: 0.3398 - accuracy: 0.9336
420/750 [======>.....] - ETA: 0s - loss: 0.3430 - accuracy: 0.9317
506/750 [======>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9303
595/750 [======>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9305
681/750 [======>...] - ETA: 0s - loss: 0.3439 - accuracy: 0.9310
750/750 [=====] - 1s 722us/step - loss: 0.3460 - accuracy: 0.9305 - val_loss: 0.5083 - val_accuracy: 0.8798
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.2228 - accuracy: 0.9844

87/750 [==>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9335
176/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy: 0.9335
262/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9364
348/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9344
436/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9332
523/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9334
609/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9336
698/750 [=====>...] - ETA: 0s - loss: 0.3413 - accuracy: 0.9326
750/750 [=====>] - 1s 713us/step - loss: 0.3416 - accuracy: 0.9324 - val_loss: 0.5765 - val_accuracy: 0.8615
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.3832 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.3364 - accuracy: 0.9362
174/750 [=====>.....] - ETA: 0s - loss: 0.3387 - accuracy: 0.9324
262/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9332
344/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy: 0.9326
432/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9319
517/750 [=====>.....] - ETA: 0s - loss: 0.3396 - accuracy: 0.9316
602/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy: 0.9307
690/750 [=====>...] - ETA: 0s - loss: 0.3406 - accuracy: 0.9309
750/750 [=====>] - 1s 718us/step - loss: 0.3420 - accuracy: 0.9300 - val_loss: 0.5169 - val_accuracy: 0.8737
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.4364 - accuracy: 0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.3298 - accuracy: 0.9355
170/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9331
259/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy: 0.9347

342/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9343
427/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy: 0.9331
508/750 [=====>.....] - ETA: 0s - loss: 0.3399 - accuracy: 0.9326
597/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy: 0.9324
683/750 [=====>...] - ETA: 0s - loss: 0.3400 - accuracy: 0.9324
750/750 [=====] - 1s 721us/step - loss: 0.3425 - accuracy: 0.9316 - val_loss: 0.4949 - val_accuracy: 0.8852
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.3656 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.3307 - accuracy: 0.9373
180/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9330
267/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9320
354/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9315
440/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9319
531/750 [=====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9311
618/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy: 0.9317
704/750 [=====>..] - ETA: 0s - loss: 0.3423 - accuracy: 0.9314
750/750 [=====] - 1s 708us/step - loss: 0.3423 - accuracy: 0.9313 - val_loss: 0.4881 - val_accuracy: 0.8870
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.3510 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3288 - accuracy: 0.9398
174/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9365
263/750 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy: 0.9352
348/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9344
435/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9337
522/750 [=====>.....] - ETA: 0s - loss: 0.3408 - accuracy: 0.9329

607/750 [=====>.....] - ETA: 0s - loss: 0.3449 - accuracy:
0.9310
693/750 [=====>...] - ETA: 0s - loss: 0.3454 - accuracy:
0.9305
750/750 [=====] - 1s 712us/step - loss: 0.3446 - accuracy:
0.9307 - val_loss: 0.5059 - val_accuracy: 0.8840
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.3055 - accuracy:
0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9364
174/750 [====>.....] - ETA: 0s - loss: 0.3401 - accuracy:
0.9323
262/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9339
349/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:
0.9334
434/750 [=====>.....] - ETA: 0s - loss: 0.3399 - accuracy:
0.9320
522/750 [=====>.....] - ETA: 0s - loss: 0.3414 - accuracy:
0.9318
610/750 [=====>.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.9312
698/750 [=====>...] - ETA: 0s - loss: 0.3407 - accuracy:
0.9310
750/750 [=====] - 1s 705us/step - loss: 0.3414 - accuracy:
0.9312 - val_loss: 0.4932 - val_accuracy: 0.8863
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9337
176/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy:
0.9364
260/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
0.9367
346/750 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
0.9353
434/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9347
519/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
0.9339
606/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy:
0.9329
690/750 [=====>...] - ETA: 0s - loss: 0.3422 - accuracy:
0.9322
750/750 [=====] - 1s 713us/step - loss: 0.3410 - accuracy:
0.9326 - val_loss: 0.4968 - val_accuracy: 0.8849

Epoch 166/220

```
1/750 [.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3457 - accuracy: 0.9296
177/750 [=====>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9358
263/750 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy: 0.9341
352/750 [======>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9323
437/750 [======>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9319
526/750 [======>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9332
612/750 [======>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9322
699/750 [======>...] - ETA: 0s - loss: 0.3405 - accuracy: 0.9319
750/750 [=====] - 1s 705us/step - loss: 0.3402 - accuracy: 0.9320 - val_loss: 0.5916 - val_accuracy: 0.8627
Epoch 167/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4476 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3397 - accuracy: 0.9297
173/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9322
258/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9329
342/750 [======>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9344
430/750 [======>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9331
517/750 [======>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9338
602/750 [======>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9323
686/750 [======>...] - ETA: 0s - loss: 0.3390 - accuracy: 0.9324
750/750 [=====] - 1s 720us/step - loss: 0.3401 - accuracy: 0.9324 - val_loss: 0.4925 - val_accuracy: 0.8845
Epoch 168/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3342 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3249 - accuracy: 0.9398
```

175/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy: 0.9362
260/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9375
349/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy: 0.9350
438/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9339
523/750 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy: 0.9325
611/750 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy: 0.9326
700/750 [=====>..] - ETA: 0s - loss: 0.3402 - accuracy: 0.9323
750/750 [=====>] - 1s 704us/step - loss: 0.3411 - accuracy: 0.9319 - val_loss: 0.5179 - val_accuracy: 0.8794
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.2798 - accuracy: 0.9531
83/750 [==>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9375
171/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9351
255/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9357
341/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9366
431/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy: 0.9361
515/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9345
603/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy: 0.9341
690/750 [=====>...] - ETA: 0s - loss: 0.3396 - accuracy: 0.9335
750/750 [=====>] - 1s 712us/step - loss: 0.3391 - accuracy: 0.9340 - val_loss: 0.4916 - val_accuracy: 0.8867
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.2852 - accuracy: 0.9688
88/750 [==>.....] - ETA: 0s - loss: 0.3283 - accuracy: 0.9425
174/750 [=====>.....] - ETA: 0s - loss: 0.3276 - accuracy: 0.9398
263/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9357
349/750 [=====>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9333

436/750 [=====>.....] - ETA: 0s - loss: 0.3403 - accuracy: 0.9334
523/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9334
607/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.9325
696/750 [=====>...] - ETA: 0s - loss: 0.3434 - accuracy: 0.9314
750/750 [=====] - 1s 713us/step - loss: 0.3426 - accuracy: 0.9317 - val_loss: 0.5113 - val_accuracy: 0.8785
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.3533 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9264
169/750 [====>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9282
251/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9303
338/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy: 0.9299
425/750 [=====>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.9305
513/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9313
600/750 [=====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9317
687/750 [=====>...] - ETA: 0s - loss: 0.3388 - accuracy: 0.9320
750/750 [=====] - 1s 722us/step - loss: 0.3404 - accuracy: 0.9312 - val_loss: 0.4964 - val_accuracy: 0.8867
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.3483 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3383 - accuracy: 0.9364
175/750 [====>.....] - ETA: 0s - loss: 0.3399 - accuracy: 0.9354
262/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9354
352/750 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9343
436/750 [=====>.....] - ETA: 0s - loss: 0.3397 - accuracy: 0.9333
522/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.9330
612/750 [=====>.....] - ETA: 0s - loss: 0.3393 - accuracy: 0.9335

697/750 [=====>...] - ETA: 0s - loss: 0.3406 - accuracy:
0.9334
750/750 [=====] - 1s 710us/step - loss: 0.3397 - accuracy:
0.9338 - val_loss: 0.4991 - val_accuracy: 0.8833
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.3632 - accuracy:
0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.3330 - accuracy:
0.9386
174/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9380
256/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy:
0.9365
344/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9372
430/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9364
517/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9357
607/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
0.9352
692/750 [=====>...] - ETA: 0s - loss: 0.3409 - accuracy:
0.9339
750/750 [=====] - 1s 710us/step - loss: 0.3426 - accuracy:
0.9329 - val_loss: 0.5024 - val_accuracy: 0.8829
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9326
176/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9342
262/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9375
352/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9343
439/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9343
525/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9329
606/750 [=====>.....] - ETA: 0s - loss: 0.3399 - accuracy:
0.9331
687/750 [=====>...] - ETA: 0s - loss: 0.3411 - accuracy:
0.9326
750/750 [=====] - 1s 717us/step - loss: 0.3408 - accuracy:
0.9326 - val_loss: 0.5109 - val_accuracy: 0.8817
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.3292 - accuracy: 0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.3486 - accuracy: 0.9293
172/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9326
258/750 [======>.....] - ETA: 0s - loss: 0.3416 - accuracy: 0.9309
343/750 [======>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9326
433/750 [======>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9328
520/750 [======>.....] - ETA: 0s - loss: 0.3367 - accuracy: 0.9328
605/750 [======>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9330
692/750 [======>...] - ETA: 0s - loss: 0.3389 - accuracy: 0.9325
750/750 [=====] - 1s 709us/step - loss: 0.3376 - accuracy: 0.9328 - val_loss: 0.5027 - val_accuracy: 0.8859
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.3114 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3248 - accuracy: 0.9400
173/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy: 0.9376
260/750 [======>.....] - ETA: 0s - loss: 0.3345 - accuracy: 0.9353
346/750 [======>.....] - ETA: 0s - loss: 0.3353 - accuracy: 0.9352
434/750 [======>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9350
519/750 [======>.....] - ETA: 0s - loss: 0.3368 - accuracy: 0.9340
607/750 [======>.....] - ETA: 0s - loss: 0.3380 - accuracy: 0.9334
692/750 [======>...] - ETA: 0s - loss: 0.3389 - accuracy: 0.9333
750/750 [=====] - 1s 724us/step - loss: 0.3396 - accuracy: 0.9331 - val_loss: 0.5257 - val_accuracy: 0.8783
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.2417 - accuracy: 0.9844
89/750 [==>.....] - ETA: 0s - loss: 0.3199 - accuracy: 0.9438
175/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy: 0.9375

262/750 [=====>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.9344
351/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9345
439/750 [=====>.....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9348
526/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9344
615/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9348
704/750 [=====>..] - ETA: 0s - loss: 0.3366 - accuracy: 0.9340
750/750 [=====] - 1s 704us/step - loss: 0.3358 - accuracy: 0.9342 - val_loss: 0.5009 - val_accuracy: 0.8842
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.2446 - accuracy: 0.9688
87/750 [==>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9334
173/750 [====>.....] - ETA: 0s - loss: 0.3355 - accuracy: 0.9330
265/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy: 0.9330
346/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy: 0.9336
436/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy: 0.9333
524/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9340
610/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9335
697/750 [=====>...] - ETA: 0s - loss: 0.3388 - accuracy: 0.9332
750/750 [=====] - 1s 710us/step - loss: 0.3389 - accuracy: 0.9335 - val_loss: 0.4956 - val_accuracy: 0.8855
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.2366 - accuracy: 1.0000
87/750 [==>.....] - ETA: 0s - loss: 0.3280 - accuracy: 0.9407
174/750 [====>.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9371
263/750 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy: 0.9363
348/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9363
434/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9350

524/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy: 0.9346
610/750 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy: 0.9339
697/750 [=====>...] - ETA: 0s - loss: 0.3382 - accuracy: 0.9340
750/750 [=====] - 1s 709us/step - loss: 0.3389 - accuracy: 0.9338 - val_loss: 0.5234 - val_accuracy: 0.8781
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.3046 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.3474 - accuracy: 0.9259
178/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9307
262/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9330
347/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9341
428/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9356
511/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy: 0.9348
598/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy: 0.9340
680/750 [=====>...] - ETA: 0s - loss: 0.3378 - accuracy: 0.9345
750/750 [=====] - 1s 722us/step - loss: 0.3377 - accuracy: 0.9340 - val_loss: 0.4900 - val_accuracy: 0.8886
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.1946 - accuracy: 1.0000
89/750 [==>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9328
176/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9338
262/750 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy: 0.9341
348/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9339
434/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9333
522/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy: 0.9341
608/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy: 0.9339
696/750 [=====>...] - ETA: 0s - loss: 0.3389 - accuracy: 0.9331

750/750 [=====] - 1s 708us/step - loss: 0.3392 - accuracy: 0.9333 - val_loss: 0.4857 - val_accuracy: 0.8903
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.2883 - accuracy: 0.9688
90/750 [==>.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9347
168/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9350
249/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy: 0.9355
333/750 [======>.....] - ETA: 0s - loss: 0.3298 - accuracy: 0.9364
419/750 [======>.....] - ETA: 0s - loss: 0.3303 - accuracy: 0.9358
505/750 [======>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9359
594/750 [======>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9357
684/750 [======>...] - ETA: 0s - loss: 0.3342 - accuracy: 0.9349
750/750 [=====] - 1s 714us/step - loss: 0.3351 - accuracy: 0.9349 - val_loss: 0.5935 - val_accuracy: 0.8554
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.4327 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.3289 - accuracy: 0.9379
177/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9341
264/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9363
352/750 [======>.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9360
438/750 [======>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9350
520/750 [======>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9342
604/750 [======>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.9333
684/750 [======>...] - ETA: 0s - loss: 0.3385 - accuracy: 0.9336
750/750 [=====] - 1s 725us/step - loss: 0.3381 - accuracy: 0.9333 - val_loss: 0.5670 - val_accuracy: 0.8637
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.5013 - accuracy: 0.8750

88/750 [==>.....] - ETA: 0s - loss: 0.3318 - accuracy: 0.9368
173/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9370
257/750 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy: 0.9380
341/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy: 0.9370
431/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy: 0.9353
514/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy: 0.9354
602/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9348
690/750 [=====>...] - ETA: 0s - loss: 0.3351 - accuracy: 0.9347
750/750 [=====>] - 1s 712us/step - loss: 0.3346 - accuracy: 0.9348 - val_loss: 0.5145 - val_accuracy: 0.8823
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.2640 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3111 - accuracy: 0.9438
175/750 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy: 0.9391
264/750 [=====>.....] - ETA: 0s - loss: 0.3256 - accuracy: 0.9387
350/750 [=====>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9362
438/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy: 0.9353
526/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy: 0.9352
614/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9351
698/750 [=====>...] - ETA: 0s - loss: 0.3353 - accuracy: 0.9346
750/750 [=====>] - 1s 720us/step - loss: 0.3358 - accuracy: 0.9346 - val_loss: 0.5440 - val_accuracy: 0.8727
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.3611 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.3277 - accuracy: 0.9364
177/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy: 0.9373
265/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy: 0.9366

350/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy: 0.9345
439/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9338
525/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy: 0.9332
612/750 [=====>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9333
701/750 [=====>..] - ETA: 0s - loss: 0.3368 - accuracy: 0.9331
750/750 [=====] - 1s 708us/step - loss: 0.3371 - accuracy: 0.9331 - val_loss: 0.5351 - val_accuracy: 0.8754
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.3995 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.3637 - accuracy: 0.9264
174/750 [====>.....] - ETA: 0s - loss: 0.3526 - accuracy: 0.9298
264/750 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.9338
351/750 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy: 0.9333
438/750 [=====>.....] - ETA: 0s - loss: 0.3391 - accuracy: 0.9339
528/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9341
614/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9349
698/750 [=====>...] - ETA: 0s - loss: 0.3352 - accuracy: 0.9347
750/750 [=====] - 1s 713us/step - loss: 0.3373 - accuracy: 0.9342 - val_loss: 0.5194 - val_accuracy: 0.8808
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.2972 - accuracy: 0.9531
83/750 [==>.....] - ETA: 0s - loss: 0.3151 - accuracy: 0.9445
167/750 [====>.....] - ETA: 0s - loss: 0.3247 - accuracy: 0.9394
251/750 [=====>.....] - ETA: 0s - loss: 0.3278 - accuracy: 0.9387
338/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy: 0.9367
426/750 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.9357
513/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9351

579/750 [=====>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9356
665/750 [=====>....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9346
750/750 [=====] - 1s 733us/step - loss: 0.3363 - accuracy: 0.9348 - val_loss: 0.5121 - val_accuracy: 0.8819
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.3426 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.3252 - accuracy: 0.9366
171/750 [====>.....] - ETA: 0s - loss: 0.3326 - accuracy: 0.9356
255/750 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy: 0.9354
340/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy: 0.9347
425/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9335
511/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9337
590/750 [=====>.....] - ETA: 0s - loss: 0.3361 - accuracy: 0.9337
675/750 [=====>...] - ETA: 0s - loss: 0.3369 - accuracy: 0.9334
750/750 [=====] - 1s 728us/step - loss: 0.3377 - accuracy: 0.9335 - val_loss: 0.5821 - val_accuracy: 0.8581
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.4274 - accuracy: 0.9219
78/750 [==>.....] - ETA: 0s - loss: 0.3440 - accuracy: 0.9299
160/750 [====>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9318
244/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9315
332/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy: 0.9330
421/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy: 0.9334
512/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9338
594/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9339
679/750 [=====>...] - ETA: 0s - loss: 0.3366 - accuracy: 0.9338
750/750 [=====] - 1s 728us/step - loss: 0.3363 - accuracy: 0.9338 - val_loss: 0.5035 - val_accuracy: 0.8875

Epoch 191/220

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1/750 [.....] - ETA: 0s - loss: 0.2191 - accuracy: 0.9844
88/750 [==>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9284
170/750 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy: 0.9322
257/750 [======>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.9326
343/750 [======>.....] - ETA: 0s - loss: 0.3345 - accuracy: 0.9346
428/750 [======>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9352
516/750 [======>.....] - ETA: 0s - loss: 0.3333 - accuracy: 0.9349
602/750 [======>.....] - ETA: 0s - loss: 0.3329 - accuracy: 0.9351
690/750 [======>...] - ETA: 0s - loss: 0.3330 - accuracy: 0.9347
750/750 [=====] - 1s 716us/step - loss: 0.3333 - accuracy: 0.9348 - val_loss: 0.5115 - val_accuracy: 0.8855
Epoch 192/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.2889 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.3475 - accuracy: 0.9301
172/750 [=====>.....] - ETA: 0s - loss: 0.3461 - accuracy: 0.9311
257/750 [======>.....] - ETA: 0s - loss: 0.3438 - accuracy: 0.9317
347/750 [======>.....] - ETA: 0s - loss: 0.3423 - accuracy: 0.9326
432/750 [======>.....] - ETA: 0s - loss: 0.3396 - accuracy: 0.9333
520/750 [======>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9332
608/750 [======>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9333
691/750 [======>...] - ETA: 0s - loss: 0.3375 - accuracy: 0.9333
750/750 [=====] - 1s 717us/step - loss: 0.3389 - accuracy: 0.9332 - val_loss: 0.5080 - val_accuracy: 0.8821
Epoch 193/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3562 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.3226 - accuracy: 0.9420
```

173/750 [====>.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9375
256/750 [=====>.....] - ETA: 0s - loss: 0.3315 - accuracy: 0.9374
343/750 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy: 0.9367
413/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy: 0.9352
498/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy: 0.9356
584/750 [=====>.....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9361
672/750 [=====>....] - ETA: 0s - loss: 0.3336 - accuracy: 0.9363
750/750 [=====] - 1s 726us/step - loss: 0.3346 - accuracy: 0.9355 - val_loss: 0.5121 - val_accuracy: 0.8834
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.2752 - accuracy: 0.9531
89/750 [==>.....] - ETA: 0s - loss: 0.3310 - accuracy: 0.9401
178/750 [====>.....] - ETA: 0s - loss: 0.3333 - accuracy: 0.9382
264/750 [=====>.....] - ETA: 0s - loss: 0.3317 - accuracy: 0.9380
351/750 [=====>.....] - ETA: 0s - loss: 0.3334 - accuracy: 0.9376
439/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy: 0.9366
526/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9369
616/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9369
701/750 [=====>..] - ETA: 0s - loss: 0.3352 - accuracy: 0.9363
750/750 [=====] - 1s 708us/step - loss: 0.3354 - accuracy: 0.9359 - val_loss: 0.5199 - val_accuracy: 0.8805
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.2655 - accuracy: 0.9688
85/750 [==>.....] - ETA: 0s - loss: 0.3297 - accuracy: 0.9381
172/750 [====>.....] - ETA: 0s - loss: 0.3317 - accuracy: 0.9370
248/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9382
336/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy: 0.9381

426/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy: 0.9364
501/750 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy: 0.9363
586/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9362
669/750 [=====>....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9362
750/750 [=====] - 1s 729us/step - loss: 0.3350 - accuracy: 0.9354 - val_loss: 0.5210 - val_accuracy: 0.8796
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.2900 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9331
175/750 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy: 0.9350
261/750 [=====>.....] - ETA: 0s - loss: 0.3365 - accuracy: 0.9334
348/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9344
434/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy: 0.9353
519/750 [=====>.....] - ETA: 0s - loss: 0.3359 - accuracy: 0.9353
605/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy: 0.9347
693/750 [=====>...] - ETA: 0s - loss: 0.3386 - accuracy: 0.9344
750/750 [=====] - 1s 712us/step - loss: 0.3393 - accuracy: 0.9340 - val_loss: 0.4953 - val_accuracy: 0.8889
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.2282 - accuracy: 0.9844
84/750 [==>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9356
171/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9379
257/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9363
341/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy: 0.9352
428/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy: 0.9346
511/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy: 0.9355
594/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy: 0.9363

679/750 [=====>...] - ETA: 0s - loss: 0.3337 - accuracy:
0.9360
750/750 [=====] - 1s 725us/step - loss: 0.3350 - accuracy:
0.9353 - val_loss: 0.5432 - val_accuracy: 0.8708
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.2775 - accuracy:
0.9688
85/750 [==>.....] - ETA: 0s - loss: 0.3187 - accuracy:
0.9434
171/750 [====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9395
255/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9403
341/750 [=====>.....] - ETA: 0s - loss: 0.3356 - accuracy:
0.9369
428/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9359
511/750 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy:
0.9364
598/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9365
685/750 [=====>...] - ETA: 0s - loss: 0.3373 - accuracy:
0.9356
750/750 [=====] - 1s 722us/step - loss: 0.3374 - accuracy:
0.9354 - val_loss: 0.4952 - val_accuracy: 0.8904
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.2837 - accuracy:
0.9375
83/750 [==>.....] - ETA: 0s - loss: 0.3156 - accuracy:
0.9441
167/750 [====>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9411
254/750 [=====>.....] - ETA: 0s - loss: 0.3213 - accuracy:
0.9413
337/750 [=====>.....] - ETA: 0s - loss: 0.3225 - accuracy:
0.9414
420/750 [=====>.....] - ETA: 0s - loss: 0.3246 - accuracy:
0.9402
506/750 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy:
0.9390
591/750 [=====>.....] - ETA: 0s - loss: 0.3299 - accuracy:
0.9379
678/750 [=====>...] - ETA: 0s - loss: 0.3312 - accuracy:
0.9376
750/750 [=====] - 1s 729us/step - loss: 0.3322 - accuracy:
0.9367 - val_loss: 0.5053 - val_accuracy: 0.8823
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.3582 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.3296 - accuracy: 0.9358
171/750 [=====>.....] - ETA: 0s - loss: 0.3222 - accuracy: 0.9382
258/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy: 0.9379
339/750 [======>.....] - ETA: 0s - loss: 0.3278 - accuracy: 0.9375
426/750 [======>.....] - ETA: 0s - loss: 0.3289 - accuracy: 0.9375
514/750 [======>.....] - ETA: 0s - loss: 0.3304 - accuracy: 0.9376
597/750 [======>.....] - ETA: 0s - loss: 0.3299 - accuracy: 0.9374
687/750 [======>...] - ETA: 0s - loss: 0.3312 - accuracy: 0.9372
750/750 [=====] - 1s 717us/step - loss: 0.3333 - accuracy: 0.9363 - val_loss: 0.5044 - val_accuracy: 0.8867
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.2854 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.3255 - accuracy: 0.9400
179/750 [=====>.....] - ETA: 0s - loss: 0.3322 - accuracy: 0.9380
267/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy: 0.9366
354/750 [======>.....] - ETA: 0s - loss: 0.3341 - accuracy: 0.9364
443/750 [======>.....] - ETA: 0s - loss: 0.3321 - accuracy: 0.9377
532/750 [======>.....] - ETA: 0s - loss: 0.3319 - accuracy: 0.9376
619/750 [======>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9368
707/750 [======>..] - ETA: 0s - loss: 0.3338 - accuracy: 0.9366
750/750 [=====] - 1s 701us/step - loss: 0.3332 - accuracy: 0.9370 - val_loss: 0.4997 - val_accuracy: 0.8870
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.2997 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.3112 - accuracy: 0.9425
175/750 [=====>.....] - ETA: 0s - loss: 0.3252 - accuracy: 0.9375

264/750 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy: 0.9372
352/750 [=====>.....] - ETA: 0s - loss: 0.3326 - accuracy: 0.9352
438/750 [=====>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9361
528/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy: 0.9355
616/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9354
701/750 [=====>..] - ETA: 0s - loss: 0.3365 - accuracy: 0.9349
750/750 [=====] - 1s 708us/step - loss: 0.3371 - accuracy: 0.9345 - val_loss: 0.5102 - val_accuracy: 0.8803
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.3140 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9357
174/750 [====>.....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9392
260/750 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9383
346/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy: 0.9367
432/750 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy: 0.9362
521/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy: 0.9365
608/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9364
695/750 [=====>...] - ETA: 0s - loss: 0.3333 - accuracy: 0.9365
750/750 [=====] - 1s 710us/step - loss: 0.3342 - accuracy: 0.9361 - val_loss: 0.5131 - val_accuracy: 0.8816
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.3144 - accuracy: 0.9420
177/750 [====>.....] - ETA: 0s - loss: 0.3235 - accuracy: 0.9386
263/750 [=====>.....] - ETA: 0s - loss: 0.3275 - accuracy: 0.9376
350/750 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy: 0.9370
431/750 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy: 0.9368

510/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy: 0.9371
600/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9362
685/750 [=====>...] - ETA: 0s - loss: 0.3326 - accuracy: 0.9367
750/750 [=====] - 1s 721us/step - loss: 0.3323 - accuracy: 0.9367 - val_loss: 0.5166 - val_accuracy: 0.8804
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.9375
81/750 [==>.....] - ETA: 0s - loss: 0.3160 - accuracy: 0.9444
165/750 [====>.....] - ETA: 0s - loss: 0.3265 - accuracy: 0.9417
248/750 [=====>.....] - ETA: 0s - loss: 0.3285 - accuracy: 0.9389
332/750 [=====>.....] - ETA: 0s - loss: 0.3278 - accuracy: 0.9398
414/750 [=====>.....] - ETA: 0s - loss: 0.3262 - accuracy: 0.9400
499/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9388
584/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy: 0.9382
666/750 [=====>...] - ETA: 0s - loss: 0.3310 - accuracy: 0.9379
749/750 [=====>.] - ETA: 0s - loss: 0.3320 - accuracy: 0.9378
750/750 [=====] - 1s 741us/step - loss: 0.3318 - accuracy: 0.9379 - val_loss: 0.5175 - val_accuracy: 0.8849
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.2633 - accuracy: 0.9531
83/750 [==>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9362
167/750 [====>.....] - ETA: 0s - loss: 0.3354 - accuracy: 0.9366
251/750 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy: 0.9368
336/750 [=====>.....] - ETA: 0s - loss: 0.3330 - accuracy: 0.9364
419/750 [=====>.....] - ETA: 0s - loss: 0.3332 - accuracy: 0.9363
500/750 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9375
584/750 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9375

664/750 [=====>....] - ETA: 0s - loss: 0.3323 - accuracy: 0.9374
743/750 [=====>.] - ETA: 0s - loss: 0.3334 - accuracy: 0.9365
750/750 [=====] - 1s 748us/step - loss: 0.3336 - accuracy: 0.9365 - val_loss: 0.5092 - val_accuracy: 0.8845
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.3958 - accuracy: 0.9219
82/750 [==>.....] - ETA: 0s - loss: 0.3233 - accuracy: 0.9400
166/750 [====>.....] - ETA: 0s - loss: 0.3286 - accuracy: 0.9385
248/750 [=====>.....] - ETA: 0s - loss: 0.3315 - accuracy: 0.9372
332/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy: 0.9380
414/750 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy: 0.9384
501/750 [=====>.....] - ETA: 0s - loss: 0.3264 - accuracy: 0.9387
587/750 [=====>.....] - ETA: 0s - loss: 0.3299 - accuracy: 0.9374
673/750 [=====>....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9379
750/750 [=====] - 1s 732us/step - loss: 0.3331 - accuracy: 0.9369 - val_loss: 0.5470 - val_accuracy: 0.8711
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.3955 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.3310 - accuracy: 0.9338
173/750 [====>.....] - ETA: 0s - loss: 0.3323 - accuracy: 0.9347
256/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy: 0.9366
340/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9354
424/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy: 0.9367
512/750 [=====>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.9364
598/750 [=====>.....] - ETA: 0s - loss: 0.3347 - accuracy: 0.9358
680/750 [=====>...] - ETA: 0s - loss: 0.3337 - accuracy: 0.9361
750/750 [=====] - 1s 728us/step - loss: 0.3358 - accuracy: 0.9354 - val_loss: 0.5389 - val_accuracy: 0.8794

Epoch 209/220

```
1/750 [.....] - ETA: 0s - loss: 0.4159 - accuracy:
0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3231 - accuracy:
0.9405
173/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9378
259/750 [======>.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9402
348/750 [======>.....] - ETA: 0s - loss: 0.3246 - accuracy:
0.9411
430/750 [======>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9395
518/750 [======>.....] - ETA: 0s - loss: 0.3275 - accuracy:
0.9396
605/750 [======>.....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9391
690/750 [======>...] - ETA: 0s - loss: 0.3285 - accuracy:
0.9395
750/750 [=====] - 1s 718us/step - loss: 0.3304 - accuracy:
0.9386 - val_loss: 0.5362 - val_accuracy: 0.8731
Epoch 210/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.3283 - accuracy:
0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3188 - accuracy:
0.9411
170/750 [=====>.....] - ETA: 0s - loss: 0.3171 - accuracy:
0.9427
252/750 [======>.....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9380
338/750 [======>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9378
422/750 [======>.....] - ETA: 0s - loss: 0.3317 - accuracy:
0.9380
508/750 [======>.....] - ETA: 0s - loss: 0.3326 - accuracy:
0.9372
592/750 [======>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9381
675/750 [======>...] - ETA: 0s - loss: 0.3307 - accuracy:
0.9380
750/750 [=====] - 1s 729us/step - loss: 0.3310 - accuracy:
0.9378 - val_loss: 0.5947 - val_accuracy: 0.8598
Epoch 211/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4016 - accuracy:
0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.3211 - accuracy:
0.9371
```

171/750 [====>.....] - ETA: 0s - loss: 0.3269 - accuracy: 0.9366
256/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy: 0.9362
344/750 [=====>.....] - ETA: 0s - loss: 0.3309 - accuracy: 0.9365
430/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9368
515/750 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9361
600/750 [=====>.....] - ETA: 0s - loss: 0.3324 - accuracy: 0.9365
685/750 [=====>...] - ETA: 0s - loss: 0.3323 - accuracy: 0.9367
750/750 [=====] - 1s 718us/step - loss: 0.3313 - accuracy: 0.9370 - val_loss: 0.5165 - val_accuracy: 0.8819
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.2942 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.3254 - accuracy: 0.9363
171/750 [====>.....] - ETA: 0s - loss: 0.3314 - accuracy: 0.9350
255/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9362
339/750 [=====>.....] - ETA: 0s - loss: 0.3388 - accuracy: 0.9344
419/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9346
507/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy: 0.9358
593/750 [=====>.....] - ETA: 0s - loss: 0.3353 - accuracy: 0.9356
678/750 [=====>...] - ETA: 0s - loss: 0.3337 - accuracy: 0.9360
750/750 [=====] - 1s 725us/step - loss: 0.3347 - accuracy: 0.9358 - val_loss: 0.5160 - val_accuracy: 0.8799
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.2905 - accuracy: 0.9688
88/750 [==>.....] - ETA: 0s - loss: 0.3216 - accuracy: 0.9460
171/750 [====>.....] - ETA: 0s - loss: 0.3207 - accuracy: 0.9435
258/750 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy: 0.9427
344/750 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy: 0.9408

430/750 [=====>.....] - ETA: 0s - loss: 0.3239 - accuracy: 0.9398
514/750 [=====>.....] - ETA: 0s - loss: 0.3258 - accuracy: 0.9391
604/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy: 0.9378
690/750 [=====>...] - ETA: 0s - loss: 0.3304 - accuracy: 0.9375
750/750 [=====] - 1s 717us/step - loss: 0.3308 - accuracy: 0.9375 - val_loss: 0.4956 - val_accuracy: 0.8852
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.3304 - accuracy: 0.9375
81/750 [==>.....] - ETA: 0s - loss: 0.3179 - accuracy: 0.9437
160/750 [====>.....] - ETA: 0s - loss: 0.3207 - accuracy: 0.9421
247/750 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy: 0.9395
334/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy: 0.9388
414/750 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy: 0.9389
501/750 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy: 0.9378
589/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy: 0.9375
674/750 [=====>...] - ETA: 0s - loss: 0.3315 - accuracy: 0.9374
750/750 [=====] - 1s 730us/step - loss: 0.3324 - accuracy: 0.9373 - val_loss: 0.5051 - val_accuracy: 0.8845
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.3183 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.3595 - accuracy: 0.9276
172/750 [====>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9340
258/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9353
343/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9363
427/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9364
511/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy: 0.9374
599/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy: 0.9376

681/750 [=====>...] - ETA: 0s - loss: 0.3336 - accuracy:
0.9361
750/750 [=====] - 1s 722us/step - loss: 0.3337 - accuracy:
0.9361 - val_loss: 0.5177 - val_accuracy: 0.8827
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.3978 - accuracy:
0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.3189 - accuracy:
0.9445
171/750 [====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
0.9405
255/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9395
342/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9381
427/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9374
513/750 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9369
602/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9370
685/750 [=====>...] - ETA: 0s - loss: 0.3334 - accuracy:
0.9361
750/750 [=====] - 1s 721us/step - loss: 0.3334 - accuracy:
0.9362 - val_loss: 0.5034 - val_accuracy: 0.8849
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.2381 - accuracy:
0.9688
86/750 [==>.....] - ETA: 0s - loss: 0.3182 - accuracy:
0.9433
171/750 [====>.....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9419
258/750 [=====>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9408
346/750 [=====>.....] - ETA: 0s - loss: 0.3255 - accuracy:
0.9401
429/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9398
515/750 [=====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
0.9389
601/750 [=====>.....] - ETA: 0s - loss: 0.3309 - accuracy:
0.9378
685/750 [=====>...] - ETA: 0s - loss: 0.3299 - accuracy:
0.9375
750/750 [=====] - 1s 724us/step - loss: 0.3301 - accuracy:
0.9376 - val_loss: 0.5475 - val_accuracy: 0.8751
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.2610 - accuracy: 0.9688
82/750 [==>.....] - ETA: 0s - loss: 0.3279 - accuracy: 0.9381
166/750 [=====>.....] - ETA: 0s - loss: 0.3253 - accuracy: 0.9377
252/750 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy: 0.9387
338/750 [======>.....] - ETA: 0s - loss: 0.3261 - accuracy: 0.9382
424/750 [======>.....] - ETA: 0s - loss: 0.3266 - accuracy: 0.9386
509/750 [======>.....] - ETA: 0s - loss: 0.3280 - accuracy: 0.9383
595/750 [======>.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9368
682/750 [======>...] - ETA: 0s - loss: 0.3306 - accuracy: 0.9370
750/750 [=====] - 1s 725us/step - loss: 0.3317 - accuracy: 0.9367 - val_loss: 0.5170 - val_accuracy: 0.8832
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.3051 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.3249 - accuracy: 0.9421
175/750 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy: 0.9422
261/750 [=====>.....] - ETA: 0s - loss: 0.3236 - accuracy: 0.9401
348/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy: 0.9368
429/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy: 0.9364
517/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy: 0.9374
601/750 [=====>.....] - ETA: 0s - loss: 0.3310 - accuracy: 0.9380
686/750 [=====>...] - ETA: 0s - loss: 0.3316 - accuracy: 0.9375
750/750 [=====] - 1s 722us/step - loss: 0.3324 - accuracy: 0.9367 - val_loss: 0.5177 - val_accuracy: 0.8867
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.2421 - accuracy: 0.9844
86/750 [==>.....] - ETA: 0s - loss: 0.3127 - accuracy: 0.9426
170/750 [=====>.....] - ETA: 0s - loss: 0.3175 - accuracy: 0.9421

256/750 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy: 0.9412
 344/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9381
 427/750 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy: 0.9371
 513/750 [=====>.....] - ETA: 0s - loss: 0.3328 - accuracy: 0.9372
 599/750 [=====>.....] - ETA: 0s - loss: 0.3337 - accuracy: 0.9368
 685/750 [=====>...] - ETA: 0s - loss: 0.3353 - accuracy: 0.9364
 750/750 [=====] - 1s 721us/step - loss: 0.3355 - accuracy: 0.9359 - val_loss: 0.5294 - val_accuracy: 0.8802

1/313 [.....] - ETA: 3s - loss: 0.4603 - accuracy: 0.9375
 110/313 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8668
 226/313 [=====>.....] - ETA: 0s - loss: 0.5938 - accuracy: 0.8637
 313/313 [=====] - 0s 449us/step - loss: 0.5731 - accuracy: 0.8671
 Testing loss: 0.5731228590011597
 Testing accuracy: 86.71000003814697%

Running for Model 6/12

Model: "sequential_6"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550
hidden4 (Dense)	(None, 50)	2550
hidden5 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510

Total params: 52,510
 Trainable params: 52,510
 Non-trainable params: 0

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.01 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden5', 'size': 50, 'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10, 'activation_function': 'softmax'}]

Epoch 1/220

1/750 [.....] - ETA: 2:20 - loss: 2.6880 - accuracy: 0.0156
64/750 [=>.....] - ETA: 0s - loss: 2.6420 - accuracy: 0.1062
130/750 [====>.....] - ETA: 0s - loss: 2.6081 - accuracy: 0.1541
198/750 [=====>.....] - ETA: 0s - loss: 2.5488 - accuracy: 0.1968
268/750 [======>.....] - ETA: 0s - loss: 2.4532 - accuracy: 0.2393
335/750 [======>.....] - ETA: 0s - loss: 2.3483 - accuracy: 0.2904
405/750 [======>.....] - ETA: 0s - loss: 2.2342 - accuracy: 0.3343
475/750 [======>.....] - ETA: 0s - loss: 2.1192 - accuracy: 0.3778
543/750 [======>.....] - ETA: 0s - loss: 2.0137 - accuracy: 0.4167
613/750 [======>.....] - ETA: 0s - loss: 1.9180 - accuracy: 0.4503
682/750 [======>...] - ETA: 0s - loss: 1.8348 - accuracy: 0.4800
750/750 [=====] - 1s 1ms/step - loss: 1.7669 - accuracy: 0.5034 - val_loss: 1.0822 - val_accuracy: 0.7300

Epoch 2/220

1/750 [.....] - ETA: 0s - loss: 0.9271 - accuracy: 0.7500
67/750 [=>.....] - ETA: 0s - loss: 1.0425 - accuracy: 0.7509
133/750 [====>.....] - ETA: 0s - loss: 1.0448 - accuracy: 0.7499
202/750 [=====>.....] - ETA: 0s - loss: 1.0332 - accuracy: 0.7524
271/750 [======>.....] - ETA: 0s - loss: 1.0246 - accuracy: 0.7557
340/750 [======>.....] - ETA: 0s - loss: 1.0173 - accuracy:

0.7585 [=====>.....] - ETA: 0s - loss: 1.0111 - accuracy:
405/750 [=====>.....] - ETA: 0s - loss: 1.0044 - accuracy:
0.7605 [=====>.....] - ETA: 0s - loss: 0.9981 - accuracy:
476/750 [=====>.....] - ETA: 0s - loss: 0.9911 - accuracy:
0.7625 [=====>.....] - ETA: 0s - loss: 0.9850 - accuracy:
546/750 [=====>.....] - ETA: 0s - loss: 0.9814 - accuracy:
0.7650 [=====>.....] - ETA: 0s - loss: 0.9199 - val_accuracy: 0.7993
615/750 [=====>.....] - ETA: 0s - loss: 0.9199 - val_accuracy: 0.7993
0.7683 [=====>.....] - ETA: 0s - loss: 0.9199 - val_accuracy: 0.7993
686/750 [=====>.....] - ETA: 0s - loss: 0.9199 - val_accuracy: 0.7993
0.7713 [=====>.....] - ETA: 0s - loss: 0.9199 - val_accuracy: 0.7993
750/750 [=====] - 1s 889us/step - loss: 0.9199 - val_accuracy: 0.7993
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 0.8524 - accuracy:
0.8125 [=>.....] - ETA: 0s - loss: 0.9142 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.9228 - accuracy:
0.7896 [====>.....] - ETA: 0s - loss: 0.9241 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.9126 - accuracy:
0.7924 [====>.....] - ETA: 0s - loss: 0.9073 - accuracy:
215/750 [====>.....] - ETA: 0s - loss: 0.9057 - accuracy:
0.7916 [====>.....] - ETA: 0s - loss: 0.9028 - accuracy:
285/750 [====>.....] - ETA: 0s - loss: 0.9014 - accuracy:
0.7972 [====>.....] - ETA: 0s - loss: 0.8964 - accuracy:
356/750 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
0.7989 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
426/750 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
0.7999 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
496/750 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
0.8015 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
566/750 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
0.8017 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
637/750 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
0.8039 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
709/750 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
0.8044 [====>.....] - ETA: 0s - loss: 0.8938 - accuracy:
750/750 [====>.....] - 1s 864us/step - loss: 0.8938 - accuracy:
0.8044 - val_loss: 0.8614 - val_accuracy: 0.8143
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 1.0201 - accuracy:
0.7812 [=>.....] - ETA: 0s - loss: 0.8467 - accuracy:
68/750 [=>.....] - ETA: 0s - loss: 0.8531 - accuracy:
0.8258 [====>.....] - ETA: 0s - loss: 0.8504 - accuracy:
139/750 [====>.....] - ETA: 0s - loss: 0.8504 - accuracy:
0.8208 [====>.....] - ETA: 0s - loss: 0.8504 - accuracy:
212/750 [====>.....] - ETA: 0s - loss: 0.8504 - accuracy:
0.8220 [====>.....] - ETA: 0s - loss: 0.8504 - accuracy:
283/750 [====>.....] - ETA: 0s - loss: 0.8504 - accuracy:

0.8222 [.....] - ETA: 0s - loss: 0.8548 - accuracy: 0.8206
351/750 [=====>.....] - ETA: 0s - loss: 0.8548 - accuracy: 0.8206
423/750 [=====>.....] - ETA: 0s - loss: 0.8551 - accuracy: 0.8215
492/750 [=====>.....] - ETA: 0s - loss: 0.8517 - accuracy: 0.8221
565/750 [=====>.....] - ETA: 0s - loss: 0.8500 - accuracy: 0.8224
632/750 [=====>.....] - ETA: 0s - loss: 0.8484 - accuracy: 0.8223
702/750 [=====>..] - ETA: 0s - loss: 0.8447 - accuracy: 0.8230
750/750 [=====] - 1s 869us/step - loss: 0.8426 - accuracy: 0.8239 - val_loss: 0.8256 - val_accuracy: 0.8265
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 0.9206 - accuracy: 0.7812
73/750 [=>.....] - ETA: 0s - loss: 0.8338 - accuracy: 0.8352
146/750 [====>.....] - ETA: 0s - loss: 0.8309 - accuracy: 0.8319
218/750 [=====>.....] - ETA: 0s - loss: 0.8208 - accuracy: 0.8337
290/750 [=====>.....] - ETA: 0s - loss: 0.8175 - accuracy: 0.8332
363/750 [=====>.....] - ETA: 0s - loss: 0.8155 - accuracy: 0.8332
436/750 [=====>.....] - ETA: 0s - loss: 0.8121 - accuracy: 0.8340
507/750 [=====>.....] - ETA: 0s - loss: 0.8102 - accuracy: 0.8340
578/750 [=====>.....] - ETA: 0s - loss: 0.8092 - accuracy: 0.8346
649/750 [=====>.....] - ETA: 0s - loss: 0.8079 - accuracy: 0.8357
720/750 [=====>..] - ETA: 0s - loss: 0.8052 - accuracy: 0.8358
750/750 [=====] - 1s 850us/step - loss: 0.8056 - accuracy: 0.8358 - val_loss: 0.8026 - val_accuracy: 0.8341
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 0.8030 - accuracy: 0.8125
72/750 [=>.....] - ETA: 0s - loss: 0.7921 - accuracy: 0.8394
146/750 [====>.....] - ETA: 0s - loss: 0.7956 - accuracy: 0.8386
218/750 [=====>.....] - ETA: 0s - loss: 0.7920 - accuracy: 0.8386

0.8387 [.....] - ETA: 0s - loss: 0.7873 - accuracy: 0.8415
289/750 [=====>.....] - ETA: 0s - loss: 0.7873 - accuracy: 0.8415
362/750 [=====>.....] - ETA: 0s - loss: 0.7875 - accuracy: 0.8409
435/750 [=====>.....] - ETA: 0s - loss: 0.7856 - accuracy: 0.8416
507/750 [=====>.....] - ETA: 0s - loss: 0.7857 - accuracy: 0.8409
577/750 [=====>.....] - ETA: 0s - loss: 0.7831 - accuracy: 0.8419
649/750 [=====>.....] - ETA: 0s - loss: 0.7820 - accuracy: 0.8414
722/750 [=====>..] - ETA: 0s - loss: 0.7791 - accuracy: 0.8428
750/750 [=====] - 1s 846us/step - loss: 0.7777 - accuracy: 0.8434 - val_loss: 0.7980 - val_accuracy: 0.8338
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 0.7751 - accuracy: 0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.7528 - accuracy: 0.8500
144/750 [====>.....] - ETA: 0s - loss: 0.7502 - accuracy: 0.8517
215/750 [=====>.....] - ETA: 0s - loss: 0.7514 - accuracy: 0.8501
288/750 [=====>.....] - ETA: 0s - loss: 0.7513 - accuracy: 0.8511
362/750 [=====>.....] - ETA: 0s - loss: 0.7517 - accuracy: 0.8514
433/750 [=====>.....] - ETA: 0s - loss: 0.7519 - accuracy: 0.8509
507/750 [=====>.....] - ETA: 0s - loss: 0.7532 - accuracy: 0.8510
581/750 [=====>.....] - ETA: 0s - loss: 0.7568 - accuracy: 0.8499
652/750 [=====>....] - ETA: 0s - loss: 0.7598 - accuracy: 0.8482
726/750 [=====>.] - ETA: 0s - loss: 0.7589 - accuracy: 0.8485
750/750 [=====] - 1s 844us/step - loss: 0.7576 - accuracy: 0.8488 - val_loss: 0.7547 - val_accuracy: 0.8493
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 0.7817 - accuracy: 0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.7373 - accuracy: 0.8563
144/750 [====>.....] - ETA: 0s - loss: 0.7444 - accuracy:

0.8539 [=====>.....] - ETA: 0s - loss: 0.7438 - accuracy: 0.8524
287/750 [=====>.....] - ETA: 0s - loss: 0.7383 - accuracy: 0.8532
361/750 [=====>.....] - ETA: 0s - loss: 0.7402 - accuracy: 0.8515
434/750 [=====>.....] - ETA: 0s - loss: 0.7402 - accuracy: 0.8523
507/750 [=====>.....] - ETA: 0s - loss: 0.7415 - accuracy: 0.8517
581/750 [=====>.....] - ETA: 0s - loss: 0.7381 - accuracy: 0.8529
654/750 [=====>....] - ETA: 0s - loss: 0.7375 - accuracy: 0.8536
724/750 [=====>..] - ETA: 0s - loss: 0.7374 - accuracy: 0.8538
750/750 [=====] - 1s 844us/step - loss: 0.7370 - accuracy: 0.8539 - val_loss: 0.7302 - val_accuracy: 0.8581
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.7166 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.6988 - accuracy: 0.8725
147/750 [====>.....] - ETA: 0s - loss: 0.7117 - accuracy: 0.8629
220/750 [=====>.....] - ETA: 0s - loss: 0.7118 - accuracy: 0.8622
293/750 [=====>.....] - ETA: 0s - loss: 0.7178 - accuracy: 0.8600
364/750 [=====>.....] - ETA: 0s - loss: 0.7214 - accuracy: 0.8583
435/750 [=====>.....] - ETA: 0s - loss: 0.7197 - accuracy: 0.8591
507/750 [=====>.....] - ETA: 0s - loss: 0.7201 - accuracy: 0.8594
578/750 [=====>.....] - ETA: 0s - loss: 0.7196 - accuracy: 0.8589
652/750 [=====>....] - ETA: 0s - loss: 0.7197 - accuracy: 0.8585
726/750 [=====>.] - ETA: 0s - loss: 0.7204 - accuracy: 0.8583
750/750 [=====] - 1s 849us/step - loss: 0.7210 - accuracy: 0.8584 - val_loss: 0.7178 - val_accuracy: 0.8598
Epoch 10/220

1/750 [.....] - ETA: 1s - loss: 0.6485 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.6972 - accuracy:

0.8678 [=====>.....] - ETA: 0s - loss: 0.7037 - accuracy: 0.8631
218/750 [=====>.....] - ETA: 0s - loss: 0.7028 - accuracy: 0.8640
289/750 [=====>.....] - ETA: 0s - loss: 0.7060 - accuracy: 0.8629
362/750 [=====>.....] - ETA: 0s - loss: 0.7049 - accuracy: 0.8632
437/750 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy: 0.8627
510/750 [=====>.....] - ETA: 0s - loss: 0.7066 - accuracy: 0.8613
582/750 [=====>.....] - ETA: 0s - loss: 0.7062 - accuracy: 0.8615
655/750 [=====>....] - ETA: 0s - loss: 0.7061 - accuracy: 0.8610
728/750 [=====>.] - ETA: 0s - loss: 0.7057 - accuracy: 0.8609
750/750 [=====] - 1s 841us/step - loss: 0.7061 - accuracy: 0.8607 - val_loss: 0.7075 - val_accuracy: 0.8635
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.6335 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.8685
146/750 [====>.....] - ETA: 0s - loss: 0.6883 - accuracy: 0.8629
220/750 [=====>.....] - ETA: 0s - loss: 0.6915 - accuracy: 0.8628
294/750 [=====>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.8636
367/750 [=====>.....] - ETA: 0s - loss: 0.6943 - accuracy: 0.8628
442/750 [=====>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.8624
514/750 [=====>.....] - ETA: 0s - loss: 0.6955 - accuracy: 0.8624
586/750 [=====>.....] - ETA: 0s - loss: 0.6965 - accuracy: 0.8625
660/750 [=====>....] - ETA: 0s - loss: 0.6948 - accuracy: 0.8630
732/750 [=====>.] - ETA: 0s - loss: 0.6933 - accuracy: 0.8638
750/750 [=====] - 1s 840us/step - loss: 0.6929 - accuracy: 0.8636 - val_loss: 0.7077 - val_accuracy: 0.8573
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.8292 - accuracy:

0.7812 [.....] - ETA: 0s - loss: 0.6946 - accuracy: 0.8615
74/750 [= >.....] - ETA: 0s - loss: 0.6946 - accuracy: 0.8615
147/750 [====>.....] - ETA: 0s - loss: 0.6874 - accuracy: 0.8645
221/750 [=====>.....] - ETA: 0s - loss: 0.6854 - accuracy: 0.8654
294/750 [===== >.....] - ETA: 0s - loss: 0.6839 - accuracy: 0.8672
365/750 [===== >.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.8669
438/750 [===== >.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.8674
511/750 [===== >.....] - ETA: 0s - loss: 0.6805 - accuracy: 0.8675
583/750 [===== >.....] - ETA: 0s - loss: 0.6802 - accuracy: 0.8670
657/750 [===== >....] - ETA: 0s - loss: 0.6810 - accuracy: 0.8663
728/750 [===== >.] - ETA: 0s - loss: 0.6809 - accuracy: 0.8663
750/750 [=====] - 1s 837us/step - loss: 0.6801 - accuracy: 0.8663 - val_loss: 0.7029 - val_accuracy: 0.8589
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.6891 - accuracy: 0.8906
73/750 [= >.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.8752
146/750 [====>.....] - ETA: 0s - loss: 0.6679 - accuracy: 0.8709
218/750 [===== >.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.8698
290/750 [===== >.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.8701
364/750 [===== >.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.8698
437/750 [===== >.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.8692
510/750 [===== >.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.8691
584/750 [===== >.....] - ETA: 0s - loss: 0.6683 - accuracy: 0.8692
657/750 [===== >....] - ETA: 0s - loss: 0.6687 - accuracy: 0.8694
731/750 [===== >.] - ETA: 0s - loss: 0.6690 - accuracy: 0.8695
750/750 [=====] - 1s 840us/step - loss: 0.6685 - accuracy: 0.8696 - val_loss: 0.6998 - val_accuracy: 0.8572
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.6804 - accuracy: 0.8616
149/750 [====>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.8632
222/750 [=====>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.8634
295/750 [======>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.8646
368/750 [======>.....] - ETA: 0s - loss: 0.6646 - accuracy: 0.8663
440/750 [======>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.8676
513/750 [======>.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.8691
583/750 [======>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.8697
658/750 [======>....] - ETA: 0s - loss: 0.6599 - accuracy: 0.8703
729/750 [======>.] - ETA: 0s - loss: 0.6582 - accuracy: 0.8708
750/750 [=====] - 1s 841us/step - loss: 0.6573 - accuracy: 0.8711 - val_loss: 0.6963 - val_accuracy: 0.8543
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.5587 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.6336 - accuracy: 0.8789
147/750 [====>.....] - ETA: 0s - loss: 0.6364 - accuracy: 0.8780
220/750 [=====>.....] - ETA: 0s - loss: 0.6438 - accuracy: 0.8724
294/750 [======>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.8729
369/750 [======>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.8720
441/750 [======>.....] - ETA: 0s - loss: 0.6442 - accuracy: 0.8725
514/750 [======>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.8732
588/750 [======>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.8731
660/750 [======>....] - ETA: 0s - loss: 0.6460 - accuracy: 0.8730
730/750 [======>.] - ETA: 0s - loss: 0.6467 - accuracy: 0.8726
750/750 [=====] - 1s 842us/step - loss: 0.6462 - accuracy:

0.8727 - val_loss: 0.6782 - val_accuracy: 0.8598
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.5956 - accuracy: 0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.8763
146/750 [====>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.8765
218/750 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy: 0.8771
289/750 [======>.....] - ETA: 0s - loss: 0.6350 - accuracy: 0.8748
361/750 [======>.....] - ETA: 0s - loss: 0.6329 - accuracy: 0.8758
435/750 [======>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.8744
506/750 [======>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.8745
579/750 [======>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8748
651/750 [======>....] - ETA: 0s - loss: 0.6374 - accuracy: 0.8740
724/750 [======>..] - ETA: 0s - loss: 0.6380 - accuracy: 0.8739
750/750 [=====] - 1s 842us/step - loss: 0.6374 - accuracy: 0.8743 - val_loss: 0.6561 - val_accuracy: 0.8680
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.8281
75/750 [==>.....] - ETA: 0s - loss: 0.6309 - accuracy: 0.8746
146/750 [====>.....] - ETA: 0s - loss: 0.6296 - accuracy: 0.8757
219/750 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy: 0.8766
294/750 [======>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8767
367/750 [======>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.8767
439/750 [======>.....] - ETA: 0s - loss: 0.6277 - accuracy: 0.8778
513/750 [======>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.8780
587/750 [======>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.8771
660/750 [======>....] - ETA: 0s - loss: 0.6268 - accuracy: 0.8775
732/750 [======>.] - ETA: 0s - loss: 0.6271 - accuracy:

0.8776
750/750 [=====] - 1s 838us/step - loss: 0.6275 - accuracy:
0.8777 - val_loss: 0.6476 - val_accuracy: 0.8685
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.6762 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.6255 - accuracy:
0.8819
147/750 [===>.....] - ETA: 0s - loss: 0.6196 - accuracy:
0.8810
219/750 [=====>.....] - ETA: 0s - loss: 0.6151 - accuracy:
0.8818
292/750 [=====>.....] - ETA: 0s - loss: 0.6145 - accuracy:
0.8814
363/750 [=====>.....] - ETA: 0s - loss: 0.6138 - accuracy:
0.8810
436/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
0.8805
510/750 [=====>.....] - ETA: 0s - loss: 0.6147 - accuracy:
0.8803
585/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8799
657/750 [=====>....] - ETA: 0s - loss: 0.6168 - accuracy:
0.8791
731/750 [=====>.] - ETA: 0s - loss: 0.6175 - accuracy:
0.8784
750/750 [=====] - 1s 842us/step - loss: 0.6174 - accuracy:
0.8785 - val_loss: 0.6395 - val_accuracy: 0.8712
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6036 - accuracy:
0.8844
146/750 [===>.....] - ETA: 0s - loss: 0.6077 - accuracy:
0.8826
219/750 [=====>.....] - ETA: 0s - loss: 0.6095 - accuracy:
0.8813
291/750 [=====>.....] - ETA: 0s - loss: 0.6097 - accuracy:
0.8803
365/750 [=====>.....] - ETA: 0s - loss: 0.6096 - accuracy:
0.8802
439/750 [=====>.....] - ETA: 0s - loss: 0.6118 - accuracy:
0.8797
512/750 [=====>.....] - ETA: 0s - loss: 0.6136 - accuracy:
0.8792
584/750 [=====>.....] - ETA: 0s - loss: 0.6139 - accuracy:
0.8781
659/750 [=====>....] - ETA: 0s - loss: 0.6125 - accuracy:

0.8783 [=====] - ETA: 0s - loss: 0.6107 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.6107 - accuracy:
0.8788 [=====] - ETA: 0s - loss: 0.6107 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.6102 - accuracy:
0.8789 - val_loss: 0.6317 - val_accuracy: 0.8733
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.6396 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6396 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6114 - accuracy:
0.8780 [=>.....] - ETA: 0s - loss: 0.6114 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8807 [====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.6041 - accuracy:
0.8798 [=====>.....] - ETA: 0s - loss: 0.6041 - accuracy:
293/750 [======>.....] - ETA: 0s - loss: 0.6032 - accuracy:
0.8801 [======>.....] - ETA: 0s - loss: 0.6032 - accuracy:
364/750 [======>.....] - ETA: 0s - loss: 0.6029 - accuracy:
0.8805 [======>.....] - ETA: 0s - loss: 0.6029 - accuracy:
438/750 [======>.....] - ETA: 0s - loss: 0.6017 - accuracy:
0.8806 [======>.....] - ETA: 0s - loss: 0.6017 - accuracy:
513/750 [======>.....] - ETA: 0s - loss: 0.6025 - accuracy:
0.8804 [======>.....] - ETA: 0s - loss: 0.6025 - accuracy:
584/750 [======>.....] - ETA: 0s - loss: 0.6016 - accuracy:
0.8809 [======>.....] - ETA: 0s - loss: 0.6016 - accuracy:
658/750 [======>....] - ETA: 0s - loss: 0.6010 - accuracy:
0.8809 [======>....] - ETA: 0s - loss: 0.6010 - accuracy:
731/750 [======>.] - ETA: 0s - loss: 0.6015 - accuracy:
0.8806 [======>.] - ETA: 0s - loss: 0.6015 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.6014 - accuracy:
0.8806 - val_loss: 0.6330 - val_accuracy: 0.8717
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.5866 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5866 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5863 - accuracy:
0.8915 [=>.....] - ETA: 0s - loss: 0.5863 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5955 - accuracy:
0.8848 [====>.....] - ETA: 0s - loss: 0.5955 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
292/750 [======>.....] - ETA: 0s - loss: 0.5937 - accuracy:
0.8845 [======>.....] - ETA: 0s - loss: 0.5937 - accuracy:
367/750 [======>.....] - ETA: 0s - loss: 0.5990 - accuracy:
0.8814 [======>.....] - ETA: 0s - loss: 0.5990 - accuracy:
438/750 [======>.....] - ETA: 0s - loss: 0.5968 - accuracy:
0.8814 [======>.....] - ETA: 0s - loss: 0.5968 - accuracy:
511/750 [======>.....] - ETA: 0s - loss: 0.5966 - accuracy:
0.8812 [======>.....] - ETA: 0s - loss: 0.5966 - accuracy:
585/750 [======>.....] - ETA: 0s - loss: 0.5953 - accuracy:

0.8817 [=====>....] - ETA: 0s - loss: 0.5940 - accuracy:
0.8826 [=====>..] - ETA: 0s - loss: 0.5926 - accuracy:
0.8827 [=====] - 1s 837us/step - loss: 0.5931 - accuracy:
0.8824 - val_loss: 0.6622 - val_accuracy: 0.8562
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.7134 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.6022 - accuracy:
0.8782 [====>.....] - ETA: 0s - loss: 0.6030 - accuracy:
0.8765 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.5879 - accuracy:
0.8840 [=====>.....] - ETA: 0s - loss: 0.5857 - accuracy:
0.8847 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy:
0.8845 [=====>....] - ETA: 0s - loss: 0.5859 - accuracy:
0.8838 [=====>..] - ETA: 0s - loss: 0.5863 - accuracy:
0.8843 [=====] - 1s 849us/step - loss: 0.5861 - accuracy:
0.8843 - val_loss: 0.6103 - val_accuracy: 0.8734
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.5662 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8874 [====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5767 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5792 - accuracy:
0.8862 [=====>.....] - ETA: 0s - loss: 0.5749 - accuracy:
0.8873 [=====>.....] - ETA: 0s - loss: 0.5779 - accuracy:
0.8861 [=====>.....] - ETA: 0s - loss: 0.5772 - accuracy:

0.8857 [=====>.....] - ETA: 0s - loss: 0.5760 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.5760 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.5764 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.5764 - accuracy:
0.8857 [=====>.] - ETA: 0s - loss: 0.5778 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.5778 - accuracy:
0.8857 [=====] - 1s 842us/step - loss: 0.5775 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.5775 - accuracy:
0.8859 - val_loss: 0.6093 - val_accuracy: 0.8756
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.5150 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5745 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5745 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
0.8883 [====>.....] - ETA: 0s - loss: 0.5754 - accuracy:
221/750 [====>.....] - ETA: 0s - loss: 0.5754 - accuracy:
0.8852 [====>.....] - ETA: 0s - loss: 0.5737 - accuracy:
293/750 [====>.....] - ETA: 0s - loss: 0.5737 - accuracy:
0.8860 [====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
368/750 [====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
0.8854 [====>.....] - ETA: 0s - loss: 0.5748 - accuracy:
443/750 [====>.....] - ETA: 0s - loss: 0.5748 - accuracy:
0.8851 [====>.....] - ETA: 0s - loss: 0.5715 - accuracy:
515/750 [====>.....] - ETA: 0s - loss: 0.5715 - accuracy:
0.8861 [====>.....] - ETA: 0s - loss: 0.5742 - accuracy:
591/750 [====>.....] - ETA: 0s - loss: 0.5742 - accuracy:
0.8854 [====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
662/750 [====>....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8857 [====>.] - ETA: 0s - loss: 0.5718 - accuracy:
736/750 [====>.] - ETA: 0s - loss: 0.5718 - accuracy:
0.8865 [====>.] - 1s 837us/step - loss: 0.5713 - accuracy:
750/750 [====>.] - 1s 837us/step - loss: 0.5713 - accuracy:
0.8865 - val_loss: 0.6023 - val_accuracy: 0.8751
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.4470 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5438 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5438 - accuracy:
0.8966 [====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
0.8922 [====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
220/750 [====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
0.8894 [====>.....] - ETA: 0s - loss: 0.5677 - accuracy:
294/750 [====>.....] - ETA: 0s - loss: 0.5677 - accuracy:
0.8879 [====>.....] - ETA: 0s - loss: 0.5653 - accuracy:
365/750 [====>.....] - ETA: 0s - loss: 0.5653 - accuracy:
0.8883 [====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
438/750 [====>.....] - ETA: 0s - loss: 0.5658 - accuracy:

0.8884 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
659/750 [=====>....] - ETA: 0s - loss: 0.5652 - accuracy:
0.8866 [=====>....] - ETA: 0s - loss: 0.5666 - accuracy:
731/750 [=====>.] - ETA: 0s - loss: 0.5666 - accuracy:
0.8860 [=====>.] - ETA: 0s - loss: 0.5659 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.5659 - accuracy:
0.8864 - val_loss: 0.6086 - val_accuracy: 0.8714
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5567 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5567 - accuracy:
0.8872 [=>.....] - ETA: 0s - loss: 0.5581 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.5581 - accuracy:
0.8889 [===>.....] - ETA: 0s - loss: 0.5584 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.5584 - accuracy:
0.8893 [=====>.....] - ETA: 0s - loss: 0.5601 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.5601 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.5601 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5584 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5584 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.8883 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy:
0.8888 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5583 - accuracy:
0.8892 [=====>....] - ETA: 0s - loss: 0.5577 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.5577 - accuracy:
0.8889 [=====>.] - ETA: 0s - loss: 0.5577 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.5577 - accuracy:
0.8892 - val_loss: 0.6011 - val_accuracy: 0.8719
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.7256 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5496 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.5496 - accuracy:
0.8929 [=>.....] - ETA: 0s - loss: 0.5494 - accuracy:
143/750 [===>.....] - ETA: 0s - loss: 0.5494 - accuracy:
0.8910 [===>.....] - ETA: 0s - loss: 0.5533 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8889 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy:

0.8888 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.8894
505/750 [=====>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.8886
579/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy: 0.8890
650/750 [=====>....] - ETA: 0s - loss: 0.5530 - accuracy: 0.8889
712/750 [=====>..] - ETA: 0s - loss: 0.5520 - accuracy: 0.8896
750/750 [=====] - 1s 860us/step - loss: 0.5530 - accuracy: 0.8894 - val_loss: 0.6250 - val_accuracy: 0.8637
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.5249 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8941
143/750 [====>.....] - ETA: 0s - loss: 0.5418 - accuracy: 0.8924
216/750 [=====>.....] - ETA: 0s - loss: 0.5479 - accuracy: 0.8913
288/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy: 0.8912
362/750 [=====>.....] - ETA: 0s - loss: 0.5478 - accuracy: 0.8911
436/750 [=====>.....] - ETA: 0s - loss: 0.5449 - accuracy: 0.8925
508/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.8916
582/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy: 0.8909
658/750 [=====>....] - ETA: 0s - loss: 0.5463 - accuracy: 0.8908
731/750 [=====>.] - ETA: 0s - loss: 0.5457 - accuracy: 0.8908
750/750 [=====] - 1s 838us/step - loss: 0.5452 - accuracy: 0.8910 - val_loss: 0.5840 - val_accuracy: 0.8767
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.8750
70/750 [=>.....] - ETA: 0s - loss: 0.5317 - accuracy: 0.8944
146/750 [====>.....] - ETA: 0s - loss: 0.5398 - accuracy: 0.8901
218/750 [=====>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.8880
292/750 [=====>.....] - ETA: 0s - loss: 0.5374 - accuracy:

0.8898 [.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.8882
366/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8886
436/750 [=====>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.8903
511/750 [=====>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.8905
583/750 [=====>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.8908
657/750 [=====>....] - ETA: 0s - loss: 0.5400 - accuracy: 0.8906
731/750 [=====>.] - ETA: 0s - loss: 0.5396 - accuracy: 0.8908
750/750 [=====] - 1s 844us/step - loss: 0.5396 - accuracy: 0.8908 - val_loss: 0.5797 - val_accuracy: 0.8762
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.4361 - accuracy: 0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.8945
146/750 [====>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.8939
219/750 [=====>.....] - ETA: 0s - loss: 0.5311 - accuracy: 0.8961
292/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy: 0.8959
365/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.8951
440/750 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy: 0.8945
512/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy: 0.8943
585/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy: 0.8934
658/750 [=====>....] - ETA: 0s - loss: 0.5346 - accuracy: 0.8932
730/750 [=====>.] - ETA: 0s - loss: 0.5344 - accuracy: 0.8930
750/750 [=====] - 1s 842us/step - loss: 0.5344 - accuracy: 0.8929 - val_loss: 0.5902 - val_accuracy: 0.8684
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.8960
146/750 [====>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.8955
219/750 [=====>.....] - ETA: 0s - loss: 0.5291 - accuracy: 0.8955

0.8921 [.....] - ETA: 0s - loss: 0.5267 - accuracy: 292/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy: 0.8929 [.....] - ETA: 0s - loss: 0.5274 - accuracy: 365/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.8934 [.....] - ETA: 0s - loss: 0.5258 - accuracy: 439/750 [=====>.....] - ETA: 0s - loss: 0.5258 - accuracy: 0.8941 [.....] - ETA: 0s - loss: 0.5261 - accuracy: 513/750 [=====>.....] - ETA: 0s - loss: 0.5261 - accuracy: 0.8939 [.....] - ETA: 0s - loss: 0.5286 - accuracy: 585/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8929 [.....] - ETA: 0s - loss: 0.5284 - accuracy: 658/750 [=====>....] - ETA: 0s - loss: 0.5284 - accuracy: 0.8937 [.....] - ETA: 0s - loss: 0.5292 - accuracy: 731/750 [=====>.] - ETA: 0s - loss: 0.5292 - accuracy: 0.8935 [.....] - 1s 841us/step - loss: 0.5292 - accuracy: 750/750 [=====] - 1s 841us/step - loss: 0.5292 - accuracy: 0.8937 - val_loss: 0.5751 - val_accuracy: 0.8789
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.4932 - accuracy: 0.9062 [.....] - ETA: 0s - loss: 0.5246 - accuracy: 72/750 [=>.....] - ETA: 0s - loss: 0.5246 - accuracy: 0.8932 [.....] - ETA: 0s - loss: 0.5285 - accuracy: 144/750 [====>.....] - ETA: 0s - loss: 0.5285 - accuracy: 0.8910 [.....] - ETA: 0s - loss: 0.5337 - accuracy: 216/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy: 0.8891 [.....] - ETA: 0s - loss: 0.5310 - accuracy: 288/750 [=====>.....] - ETA: 0s - loss: 0.5310 - accuracy: 0.8908 [.....] - ETA: 0s - loss: 0.5274 - accuracy: 361/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.8927 [.....] - ETA: 0s - loss: 0.5255 - accuracy: 434/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.8934 [.....] - ETA: 0s - loss: 0.5261 - accuracy: 508/750 [=====>.....] - ETA: 0s - loss: 0.5261 - accuracy: 0.8922 [.....] - ETA: 0s - loss: 0.5254 - accuracy: 582/750 [=====>.....] - ETA: 0s - loss: 0.5254 - accuracy: 0.8926 [.....] - ETA: 0s - loss: 0.5245 - accuracy: 655/750 [=====>....] - ETA: 0s - loss: 0.5245 - accuracy: 0.8931 [.....] - ETA: 0s - loss: 0.5249 - accuracy: 725/750 [=====>.] - ETA: 0s - loss: 0.5249 - accuracy: 0.8929 [.....] - 1s 842us/step - loss: 0.5251 - accuracy: 750/750 [=====] - 1s 842us/step - loss: 0.5251 - accuracy: 0.8929 - val_loss: 0.5733 - val_accuracy: 0.8793
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.3860 - accuracy: 0.9688 [.....] - ETA: 0s - loss: 0.5075 - accuracy: 76/750 [=>.....] - ETA: 0s - loss: 0.5075 - accuracy: 0.8935 [.....] - ETA: 0s - loss: 0.5117 - accuracy: 147/750 [====>.....] - ETA: 0s - loss: 0.5117 - accuracy:

0.8949 [=====>.....] - ETA: 0s - loss: 0.5102 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5102 - accuracy:
0.8965 [=====>.....] - ETA: 0s - loss: 0.5147 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.5147 - accuracy:
0.8949 [=====>.....] - ETA: 0s - loss: 0.5129 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.5129 - accuracy:
0.8951 [=====>.....] - ETA: 0s - loss: 0.5153 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5153 - accuracy:
0.8951 [=====>.....] - ETA: 0s - loss: 0.5157 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.5157 - accuracy:
0.8957 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
0.8950 [=====>.....] - ETA: 0s - loss: 0.5168 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.5168 - accuracy:
0.8946 [=====>....] - ETA: 0s - loss: 0.5170 - accuracy:
731/750 [=====>.] - ETA: 0s - loss: 0.5170 - accuracy:
0.8945 [=====>.] - ETA: 0s - loss: 0.5185 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.5185 - accuracy:
0.8939 - val_loss: 0.5588 - val_accuracy: 0.8807
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.5043 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.5075 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5075 - accuracy:
0.9021 [==>.....] - ETA: 0s - loss: 0.5072 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.5072 - accuracy:
0.9006 [===>.....] - ETA: 0s - loss: 0.5101 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5101 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.5082 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.5082 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.5096 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.5096 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.5135 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.5135 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.5136 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.5136 - accuracy:
0.8964 [=====>.....] - ETA: 0s - loss: 0.5134 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5134 - accuracy:
0.8963 [=====>....] - ETA: 0s - loss: 0.5136 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.5136 - accuracy:
0.8963 [=====>.] - ETA: 0s - loss: 0.5143 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.5143 - accuracy:
0.8961 - val_loss: 0.5622 - val_accuracy: 0.8794
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.5160 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5019 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5019 - accuracy:

0.9003 [.....] - ETA: 0s - loss: 0.5000 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.5000 - accuracy:
0.9008 [.....] - ETA: 0s - loss: 0.4998 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5084 - accuracy:
0.9017 [.....] - ETA: 0s - loss: 0.5042 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.5029 - accuracy:
0.8979 [.....] - ETA: 0s - loss: 0.5070 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.5071 - accuracy:
0.8996 [.....] - ETA: 0s - loss: 0.5084 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5093 - accuracy:
0.8997 [.....] - ETA: 0s - loss: 0.5089 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.5554 - val_accuracy: 0.8798
0.8975 [.....] - ETA: 0s - loss: 0.5089 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.5089 - accuracy:
0.8973 [.....] - ETA: 0s - loss: 0.5089 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5089 - accuracy:
0.8964 [.....] - ETA: 0s - loss: 0.5089 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.5089 - accuracy:
0.8963 [.....] - ETA: 0s - loss: 0.5089 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.5089 - accuracy:
0.8963 - val_loss: 0.5554 - val_accuracy: 0.8798
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.4987 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4964 - accuracy:
0.8980 [.....] - ETA: 0s - loss: 0.4973 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
0.8968 [.....] - ETA: 0s - loss: 0.5008 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy:
0.8971 [.....] - ETA: 0s - loss: 0.5071 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.5065 - accuracy:
0.8973 [.....] - ETA: 0s - loss: 0.5059 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.5058 - accuracy:
0.8981 [.....] - ETA: 0s - loss: 0.5055 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5055 - accuracy:
0.8968 [.....] - ETA: 0s - loss: 0.5055 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.5055 - accuracy:
0.8954 [.....] - ETA: 0s - loss: 0.5055 - accuracy:
581/750 [=====>.....] - ETA: 0s - loss: 0.5055 - accuracy:
0.8966 [.....] - ETA: 0s - loss: 0.5055 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.5055 - accuracy:
0.8968 [.....] - ETA: 0s - loss: 0.5055 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.5055 - accuracy:
0.8966 [.....] - ETA: 0s - loss: 0.5055 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.5055 - accuracy:
0.8965 - val_loss: 0.5557 - val_accuracy: 0.8793
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.4685 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.4777 - accuracy: 0.9099
73/750 [=>.....] - ETA: 0s - loss: 0.4777 - accuracy: 0.9099
148/750 [====>.....] - ETA: 0s - loss: 0.4829 - accuracy: 0.9073
221/750 [=====>.....] - ETA: 0s - loss: 0.4916 - accuracy: 0.9038
292/750 [=====>.....] - ETA: 0s - loss: 0.4937 - accuracy: 0.9022
367/750 [=====>.....] - ETA: 0s - loss: 0.4970 - accuracy: 0.9003
439/750 [=====>.....] - ETA: 0s - loss: 0.4963 - accuracy: 0.9004
511/750 [=====>.....] - ETA: 0s - loss: 0.4957 - accuracy: 0.9008
585/750 [=====>.....] - ETA: 0s - loss: 0.4964 - accuracy: 0.9002
656/750 [=====>....] - ETA: 0s - loss: 0.4979 - accuracy: 0.8996
729/750 [=====>.] - ETA: 0s - loss: 0.4991 - accuracy: 0.8991
750/750 [=====] - 1s 844us/step - loss: 0.4996 - accuracy: 0.8991 - val_loss: 0.5524 - val_accuracy: 0.8782
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.4080 - accuracy: 0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8937
144/750 [====>.....] - ETA: 0s - loss: 0.5032 - accuracy: 0.8953
217/750 [=====>.....] - ETA: 0s - loss: 0.5038 - accuracy: 0.8962
289/750 [=====>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.8975
361/750 [=====>.....] - ETA: 0s - loss: 0.4970 - accuracy: 0.8992
435/750 [=====>.....] - ETA: 0s - loss: 0.4955 - accuracy: 0.8998
507/750 [=====>.....] - ETA: 0s - loss: 0.4964 - accuracy: 0.8991
578/750 [=====>.....] - ETA: 0s - loss: 0.4960 - accuracy: 0.8990
653/750 [=====>....] - ETA: 0s - loss: 0.4956 - accuracy: 0.8990
725/750 [=====>.] - ETA: 0s - loss: 0.4943 - accuracy: 0.8995
750/750 [=====] - 1s 841us/step - loss: 0.4951 - accuracy: 0.8990 - val_loss: 0.5512 - val_accuracy: 0.8810
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.7533 - accuracy: 0.8281
73/750 [= >.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.9009
147/750 [====>.....] - ETA: 0s - loss: 0.4875 - accuracy: 0.9007
222/750 [===== >.....] - ETA: 0s - loss: 0.4857 - accuracy: 0.9010
295/750 [===== >.....] - ETA: 0s - loss: 0.4902 - accuracy: 0.8994
369/750 [===== >.....] - ETA: 0s - loss: 0.4898 - accuracy: 0.9000
439/750 [===== >.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.9003
514/750 [===== >.....] - ETA: 0s - loss: 0.4896 - accuracy: 0.9006
587/750 [===== >.....] - ETA: 0s - loss: 0.4915 - accuracy: 0.8999
660/750 [===== >....] - ETA: 0s - loss: 0.4928 - accuracy: 0.8990
733/750 [===== >.] - ETA: 0s - loss: 0.4921 - accuracy: 0.8995
750/750 [=====] - 1s 837us/step - loss: 0.4917 - accuracy: 0.8996 - val_loss: 0.5876 - val_accuracy: 0.8682
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.4179 - accuracy: 0.9219
73/750 [= >.....] - ETA: 0s - loss: 0.4802 - accuracy: 0.9022
146/750 [====>.....] - ETA: 0s - loss: 0.4890 - accuracy: 0.9008
219/750 [===== >.....] - ETA: 0s - loss: 0.4860 - accuracy: 0.9015
291/750 [===== >.....] - ETA: 0s - loss: 0.4854 - accuracy: 0.9014
362/750 [===== >.....] - ETA: 0s - loss: 0.4853 - accuracy: 0.9013
435/750 [===== >.....] - ETA: 0s - loss: 0.4881 - accuracy: 0.9000
508/750 [===== >.....] - ETA: 0s - loss: 0.4881 - accuracy: 0.9005
582/750 [===== >.....] - ETA: 0s - loss: 0.4891 - accuracy: 0.9001
652/750 [===== >....] - ETA: 0s - loss: 0.4903 - accuracy: 0.8994
726/750 [===== >.] - ETA: 0s - loss: 0.4894 - accuracy: 0.8994
750/750 [=====] - 1s 838us/step - loss: 0.4886 - accuracy:

0.8996 - val_loss: 0.5703 - val_accuracy: 0.8713
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.5316 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.4787 - accuracy: 0.9041
147/750 [====>.....] - ETA: 0s - loss: 0.4765 - accuracy: 0.9033
220/750 [=====>.....] - ETA: 0s - loss: 0.4744 - accuracy: 0.9058
292/750 [======>.....] - ETA: 0s - loss: 0.4778 - accuracy: 0.9044
365/750 [======>.....] - ETA: 0s - loss: 0.4828 - accuracy: 0.9022
439/750 [======>.....] - ETA: 0s - loss: 0.4802 - accuracy: 0.9034
512/750 [======>.....] - ETA: 0s - loss: 0.4820 - accuracy: 0.9022
584/750 [======>.....] - ETA: 0s - loss: 0.4826 - accuracy: 0.9020
658/750 [======>....] - ETA: 0s - loss: 0.4832 - accuracy: 0.9013
728/750 [======>.] - ETA: 0s - loss: 0.4837 - accuracy: 0.9013
750/750 [=====] - 1s 846us/step - loss: 0.4839 - accuracy: 0.9011 - val_loss: 0.5448 - val_accuracy: 0.8781
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.5666 - accuracy: 0.8125
75/750 [=>.....] - ETA: 0s - loss: 0.4769 - accuracy: 0.9025
151/750 [====>.....] - ETA: 0s - loss: 0.4765 - accuracy: 0.9026
222/750 [=====>.....] - ETA: 0s - loss: 0.4756 - accuracy: 0.9027
295/750 [======>.....] - ETA: 0s - loss: 0.4752 - accuracy: 0.9026
368/750 [======>.....] - ETA: 0s - loss: 0.4736 - accuracy: 0.9036
441/750 [======>.....] - ETA: 0s - loss: 0.4739 - accuracy: 0.9033
516/750 [======>.....] - ETA: 0s - loss: 0.4761 - accuracy: 0.9027
587/750 [======>.....] - ETA: 0s - loss: 0.4754 - accuracy: 0.9033
662/750 [======>....] - ETA: 0s - loss: 0.4783 - accuracy: 0.9023
735/750 [======>.] - ETA: 0s - loss: 0.4792 - accuracy:

0.9018
750/750 [=====] - 1s 837us/step - loss: 0.4790 - accuracy:
0.9019 - val_loss: 0.5421 - val_accuracy: 0.8792
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.4433 - accuracy:
0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.4778 - accuracy:
0.9023
145/750 [====>.....] - ETA: 0s - loss: 0.4762 - accuracy:
0.9040
217/750 [=====>.....] - ETA: 0s - loss: 0.4761 - accuracy:
0.9044
289/750 [======>.....] - ETA: 0s - loss: 0.4775 - accuracy:
0.9036
363/750 [======>.....] - ETA: 0s - loss: 0.4769 - accuracy:
0.9042
433/750 [======>.....] - ETA: 0s - loss: 0.4741 - accuracy:
0.9040
506/750 [======>.....] - ETA: 0s - loss: 0.4732 - accuracy:
0.9037
581/750 [======>.....] - ETA: 0s - loss: 0.4740 - accuracy:
0.9029
654/750 [======>....] - ETA: 0s - loss: 0.4738 - accuracy:
0.9027
727/750 [======>.] - ETA: 0s - loss: 0.4742 - accuracy:
0.9028
750/750 [=====] - 1s 841us/step - loss: 0.4746 - accuracy:
0.9024 - val_loss: 0.5441 - val_accuracy: 0.8792
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.4337 - accuracy:
0.9219
76/750 [==>.....] - ETA: 0s - loss: 0.4557 - accuracy:
0.9091
149/750 [====>.....] - ETA: 0s - loss: 0.4602 - accuracy:
0.9074
220/750 [=====>.....] - ETA: 0s - loss: 0.4597 - accuracy:
0.9077
294/750 [======>.....] - ETA: 0s - loss: 0.4658 - accuracy:
0.9072
369/750 [======>.....] - ETA: 0s - loss: 0.4689 - accuracy:
0.9050
443/750 [======>.....] - ETA: 0s - loss: 0.4685 - accuracy:
0.9053
517/750 [======>.....] - ETA: 0s - loss: 0.4702 - accuracy:
0.9043
590/750 [======>.....] - ETA: 0s - loss: 0.4708 - accuracy:
0.9038
661/750 [======>....] - ETA: 0s - loss: 0.4706 - accuracy:

0.9035 [=====] - ETA: 0s - loss: 0.4710 - accuracy:
736/750 [=====>.] - ETA: 0s - loss: 0.4710 - accuracy:
0.9035 [=====] - ETA: 0s - loss: 0.4710 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.4712 - accuracy:
0.9036 - val_loss: 0.5320 - val_accuracy: 0.8826
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.4019 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.4019 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4622 - accuracy:
0.9077 [.....] - ETA: 0s - loss: 0.4622 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.4730 - accuracy:
0.9055 [.....] - ETA: 0s - loss: 0.4730 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.4682 - accuracy:
0.9051 [.....] - ETA: 0s - loss: 0.4682 - accuracy:
295/750 [======>.....] - ETA: 0s - loss: 0.4719 - accuracy:
0.9014 [.....] - ETA: 0s - loss: 0.4719 - accuracy:
366/750 [======>.....] - ETA: 0s - loss: 0.4697 - accuracy:
0.9033 [.....] - ETA: 0s - loss: 0.4697 - accuracy:
439/750 [======>.....] - ETA: 0s - loss: 0.4715 - accuracy:
0.9033 [.....] - ETA: 0s - loss: 0.4715 - accuracy:
513/750 [======>.....] - ETA: 0s - loss: 0.4723 - accuracy:
0.9030 [.....] - ETA: 0s - loss: 0.4723 - accuracy:
585/750 [======>.....] - ETA: 0s - loss: 0.4707 - accuracy:
0.9029 [.....] - ETA: 0s - loss: 0.4707 - accuracy:
659/750 [======>....] - ETA: 0s - loss: 0.4714 - accuracy:
0.9025 [.....] - ETA: 0s - loss: 0.4714 - accuracy:
731/750 [======>.] - ETA: 0s - loss: 0.4704 - accuracy:
0.9028 [.....] - ETA: 0s - loss: 0.4704 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.4707 - accuracy:
0.9024 - val_loss: 0.5406 - val_accuracy: 0.8773
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.4589 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4589 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.4415 - accuracy:
0.9125 [.....] - ETA: 0s - loss: 0.4415 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4561 - accuracy:
0.9057 [.....] - ETA: 0s - loss: 0.4561 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.4618 - accuracy:
0.9025 [.....] - ETA: 0s - loss: 0.4618 - accuracy:
293/750 [======>.....] - ETA: 0s - loss: 0.4625 - accuracy:
0.9034 [.....] - ETA: 0s - loss: 0.4625 - accuracy:
366/750 [======>.....] - ETA: 0s - loss: 0.4611 - accuracy:
0.9043 [.....] - ETA: 0s - loss: 0.4611 - accuracy:
438/750 [======>.....] - ETA: 0s - loss: 0.4617 - accuracy:
0.9044 [.....] - ETA: 0s - loss: 0.4617 - accuracy:
512/750 [======>.....] - ETA: 0s - loss: 0.4622 - accuracy:
0.9044 [.....] - ETA: 0s - loss: 0.4622 - accuracy:
584/750 [======>.....] - ETA: 0s - loss: 0.4619 - accuracy:

0.9048 [=====>....] - ETA: 0s - loss: 0.4620 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.4620 - accuracy:
0.9049 [=====>....] - ETA: 0s - loss: 0.4620 - accuracy:
731/750 [=====>....] - ETA: 0s - loss: 0.4646 - accuracy:
0.9039 [=====>....] - ETA: 0s - loss: 0.4646 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.4650 - accuracy:
0.9037 - val_loss: 0.5315 - val_accuracy: 0.8842
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.4525 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4525 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.4356 - accuracy:
0.9163 [=>.....] - ETA: 0s - loss: 0.4356 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.4546 - accuracy:
0.9071 [====>.....] - ETA: 0s - loss: 0.4546 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.4584 - accuracy:
0.9067 [=====>.....] - ETA: 0s - loss: 0.4584 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.4592 - accuracy:
0.9076 [=====>.....] - ETA: 0s - loss: 0.4592 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.4596 - accuracy:
0.9071 [=====>.....] - ETA: 0s - loss: 0.4596 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.4602 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.4602 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy:
0.9064 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.4597 - accuracy:
0.9064 [=====>.....] - ETA: 0s - loss: 0.4597 - accuracy:
654/750 [=====>....] - ETA: 0s - loss: 0.4612 - accuracy:
0.9052 [=====>....] - ETA: 0s - loss: 0.4612 - accuracy:
728/750 [=====>....] - ETA: 0s - loss: 0.4608 - accuracy:
0.9054 [=====>....] - ETA: 0s - loss: 0.4608 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.4615 - accuracy:
0.9053 - val_loss: 0.5251 - val_accuracy: 0.8842
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.4035 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4035 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4472 - accuracy:
0.9103 [=>.....] - ETA: 0s - loss: 0.4472 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.4550 - accuracy:
0.9050 [====>.....] - ETA: 0s - loss: 0.4550 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.4587 - accuracy:
0.9013 [=====>.....] - ETA: 0s - loss: 0.4587 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.4570 - accuracy:
0.9017 [=====>.....] - ETA: 0s - loss: 0.4570 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.4564 - accuracy:
0.9030 [=====>.....] - ETA: 0s - loss: 0.4564 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.4571 - accuracy:
0.9031 [=====>.....] - ETA: 0s - loss: 0.4571 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.4590 - accuracy:

0.9030
583/750 [=====>.....] - ETA: 0s - loss: 0.4600 - accuracy:
0.9026
657/750 [=====>....] - ETA: 0s - loss: 0.4601 - accuracy:
0.9033
730/750 [=====>.] - ETA: 0s - loss: 0.4594 - accuracy:
0.9037
750/750 [=====] - 1s 841us/step - loss: 0.4588 - accuracy:
0.9039 - val_loss: 0.5508 - val_accuracy: 0.8779
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.4274 - accuracy:
0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.4586 - accuracy:
0.9099
147/750 [====>.....] - ETA: 0s - loss: 0.4572 - accuracy:
0.9060
219/750 [=====>.....] - ETA: 0s - loss: 0.4571 - accuracy:
0.9053
294/750 [=====>.....] - ETA: 0s - loss: 0.4566 - accuracy:
0.9065
368/750 [=====>.....] - ETA: 0s - loss: 0.4567 - accuracy:
0.9067
440/750 [=====>.....] - ETA: 0s - loss: 0.4564 - accuracy:
0.9063
515/750 [=====>.....] - ETA: 0s - loss: 0.4548 - accuracy:
0.9066
588/750 [=====>.....] - ETA: 0s - loss: 0.4533 - accuracy:
0.9075
662/750 [=====>....] - ETA: 0s - loss: 0.4550 - accuracy:
0.9075
736/750 [=====>.] - ETA: 0s - loss: 0.4556 - accuracy:
0.9072
750/750 [=====] - 1s 836us/step - loss: 0.4557 - accuracy:
0.9071 - val_loss: 0.5296 - val_accuracy: 0.8825
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.4642 - accuracy:
0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.4461 - accuracy:
0.9122
148/750 [====>.....] - ETA: 0s - loss: 0.4550 - accuracy:
0.9070
221/750 [=====>.....] - ETA: 0s - loss: 0.4587 - accuracy:
0.9059
292/750 [=====>.....] - ETA: 0s - loss: 0.4504 - accuracy:
0.9094
364/750 [=====>.....] - ETA: 0s - loss: 0.4521 - accuracy:
0.9077
440/750 [=====>.....] - ETA: 0s - loss: 0.4527 - accuracy:

0.9076 [=====>.....] - ETA: 0s - loss: 0.4546 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.4546 - accuracy:
0.9065 [=====>.....] - ETA: 0s - loss: 0.4541 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.4541 - accuracy:
0.9073 [=====>.....] - ETA: 0s - loss: 0.4533 - accuracy:
657/750 [=====>....] - ETA: 0s - loss: 0.4533 - accuracy:
0.9076 [=====>.] - ETA: 0s - loss: 0.4530 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.4530 - accuracy:
0.9075 [=====] - 1s 840us/step - loss: 0.4533 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.4533 - accuracy:
0.9072 - val_loss: 0.5533 - val_accuracy: 0.8689
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.5095 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.4301 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4301 - accuracy:
0.9117 [====>.....] - ETA: 0s - loss: 0.4403 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4403 - accuracy:
0.9116 [====>.....] - ETA: 0s - loss: 0.4386 - accuracy:
220/750 [====>.....] - ETA: 0s - loss: 0.4386 - accuracy:
0.9122 [====>.....] - ETA: 0s - loss: 0.4437 - accuracy:
294/750 [====>.....] - ETA: 0s - loss: 0.4437 - accuracy:
0.9096 [====>.....] - ETA: 0s - loss: 0.4459 - accuracy:
368/750 [====>.....] - ETA: 0s - loss: 0.4459 - accuracy:
0.9091 [====>.....] - ETA: 0s - loss: 0.4459 - accuracy:
441/750 [====>.....] - ETA: 0s - loss: 0.4459 - accuracy:
0.9092 [====>.....] - ETA: 0s - loss: 0.4468 - accuracy:
516/750 [====>.....] - ETA: 0s - loss: 0.4468 - accuracy:
0.9089 [====>.....] - ETA: 0s - loss: 0.4468 - accuracy:
588/750 [====>.....] - ETA: 0s - loss: 0.4468 - accuracy:
0.9079 [====>.....] - ETA: 0s - loss: 0.4475 - accuracy:
661/750 [====>....] - ETA: 0s - loss: 0.4475 - accuracy:
0.9073 [====>.] - ETA: 0s - loss: 0.4486 - accuracy:
736/750 [====>.] - ETA: 0s - loss: 0.4486 - accuracy:
0.9075 [====>.] - ETA: 0s - loss: 0.4487 - accuracy:
750/750 [====>.] - 1s 837us/step - loss: 0.4487 - accuracy:
0.9075 - val_loss: 0.5344 - val_accuracy: 0.8782
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.4571 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.4457 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.4457 - accuracy:
0.9107 [====>.....] - ETA: 0s - loss: 0.4439 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.4439 - accuracy:
0.9114 [====>.....] - ETA: 0s - loss: 0.4487 - accuracy:
220/750 [====>.....] - ETA: 0s - loss: 0.4487 - accuracy:
0.9082 [====>.....] - ETA: 0s - loss: 0.4473 - accuracy:
292/750 [====>.....] - ETA: 0s - loss: 0.4473 - accuracy:
0.9075 [====>.....] - ETA: 0s - loss: 0.4471 - accuracy:
364/750 [====>.....] - ETA: 0s - loss: 0.4471 - accuracy:

0.9075 [=====>.....] - ETA: 0s - loss: 0.4469 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.4469 - accuracy:
0.9078 [=====>.....] - ETA: 0s - loss: 0.4483 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.4483 - accuracy:
0.9077 [=====>.....] - ETA: 0s - loss: 0.4467 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.4467 - accuracy:
0.9080 [=====>.....] - ETA: 0s - loss: 0.4465 - accuracy:
658/750 [=====>.....] - ETA: 0s - loss: 0.4465 - accuracy:
0.9085 [=====>.....] - ETA: 0s - loss: 0.4454 - accuracy:
729/750 [=====>.....] - ETA: 0s - loss: 0.4454 - accuracy:
0.9095 [=====>.....] - ETA: 0s - loss: 0.4460 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.4460 - accuracy:
0.9090 - val_loss: 0.5280 - val_accuracy: 0.8805
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4440 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.4440 - accuracy:
0.9100 [==>.....] - ETA: 0s - loss: 0.4433 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.4433 - accuracy:
0.9099 [===>.....] - ETA: 0s - loss: 0.4376 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.4376 - accuracy:
0.9105 [=====>.....] - ETA: 0s - loss: 0.4372 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.4372 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4402 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.4402 - accuracy:
0.9102 [=====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
0.9085 [=====>.....] - ETA: 0s - loss: 0.4428 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.4428 - accuracy:
0.9086 [=====>.....] - ETA: 0s - loss: 0.4417 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.4417 - accuracy:
0.9090 [=====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
651/750 [=====>.....] - ETA: 0s - loss: 0.4431 - accuracy:
0.9077 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy:
722/750 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy:
0.9075 [=====>.....] - ETA: 0s - loss: 0.4434 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.4434 - accuracy:
0.9075 - val_loss: 0.5205 - val_accuracy: 0.8801
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.4308 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4432 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.4432 - accuracy:
0.9125 [=>.....] - ETA: 0s - loss: 0.4408 - accuracy:
144/750 [===>.....] - ETA: 0s - loss: 0.4408 - accuracy:
0.9096 [===>.....] - ETA: 0s - loss: 0.4400 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.4400 - accuracy:
0.9092 [=====>.....] - ETA: 0s - loss: 0.4418 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.4418 - accuracy:

0.9083 [=====>.....] - ETA: 0s - loss: 0.4391 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.4391 - accuracy:
0.9104 [=====>.....] - ETA: 0s - loss: 0.4394 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.4394 - accuracy:
0.9101 [=====>.....] - ETA: 0s - loss: 0.4397 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.4397 - accuracy:
0.9099 [=====>.....] - ETA: 0s - loss: 0.4412 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.4412 - accuracy:
0.9093 [=====>.....] - ETA: 0s - loss: 0.4415 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.4415 - accuracy:
0.9091 [=====>....] - ETA: 0s - loss: 0.4418 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.4418 - accuracy:
0.9089 [=====>.] - ETA: 0s - loss: 0.4405 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.4405 - accuracy:
0.9094 - val_loss: 0.5136 - val_accuracy: 0.8841
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.3586 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4351 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4351 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.4311 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.4311 - accuracy:
0.9096 [====>.....] - ETA: 0s - loss: 0.4332 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.4332 - accuracy:
0.9104 [=====>.....] - ETA: 0s - loss: 0.4320 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.4320 - accuracy:
0.9118 [=====>.....] - ETA: 0s - loss: 0.4343 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.4343 - accuracy:
0.9098 [=====>.....] - ETA: 0s - loss: 0.4363 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.4363 - accuracy:
0.9094 [=====>.....] - ETA: 0s - loss: 0.4339 - accuracy:
496/750 [=====>.....] - ETA: 0s - loss: 0.4339 - accuracy:
0.9106 [=====>.....] - ETA: 0s - loss: 0.4356 - accuracy:
570/750 [=====>.....] - ETA: 0s - loss: 0.4356 - accuracy:
0.9094 [=====>.....] - ETA: 0s - loss: 0.4362 - accuracy:
643/750 [=====>....] - ETA: 0s - loss: 0.4362 - accuracy:
0.9091 [=====>....] - ETA: 0s - loss: 0.4376 - accuracy:
714/750 [=====>..] - ETA: 0s - loss: 0.4376 - accuracy:
0.9096 [=====>..] - ETA: 0s - loss: 0.4382 - accuracy:
750/750 [=====] - 1s 857us/step - loss: 0.4382 - accuracy:
0.9093 - val_loss: 0.5324 - val_accuracy: 0.8771
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.3832 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4295 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4295 - accuracy:
0.9145 [=>.....] - ETA: 0s - loss: 0.4352 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.4352 - accuracy:
0.9129 [====>.....] - ETA: 0s - loss: 0.4393 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.4393 - accuracy:

0.9112 [=====>.....] - ETA: 0s - loss: 0.4382 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.4382 - accuracy:
0.9101 [=====>.....] - ETA: 0s - loss: 0.4403 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.4403 - accuracy:
0.9084 [=====>.....] - ETA: 0s - loss: 0.4370 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.4370 - accuracy:
0.9101 [=====>.....] - ETA: 0s - loss: 0.4346 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.4346 - accuracy:
0.9106 [=====>.....] - ETA: 0s - loss: 0.4343 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.4343 - accuracy:
0.9113 [=====>.....] - ETA: 0s - loss: 0.4350 - accuracy:
657/750 [=====>....] - ETA: 0s - loss: 0.4350 - accuracy:
0.9107 [=====>....] - ETA: 0s - loss: 0.4361 - accuracy:
728/750 [=====>..] - ETA: 0s - loss: 0.4361 - accuracy:
0.9099 [=====>..] - ETA: 0s - loss: 0.4360 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.4360 - accuracy:
0.9100 - val_loss: 0.5206 - val_accuracy: 0.8772
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.3703 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4303 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.4303 - accuracy:
0.9158 [=>.....] - ETA: 0s - loss: 0.4252 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.4252 - accuracy:
0.9166 [====>.....] - ETA: 0s - loss: 0.4215 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.4215 - accuracy:
0.9164 [=====>.....] - ETA: 0s - loss: 0.4211 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.4211 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.4300 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.4300 - accuracy:
0.9131 [=====>.....] - ETA: 0s - loss: 0.4326 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.4326 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4313 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.4313 - accuracy:
0.9121 [=====>.....] - ETA: 0s - loss: 0.4306 - accuracy:
579/750 [=====>.....] - ETA: 0s - loss: 0.4306 - accuracy:
0.9128 [=====>.....] - ETA: 0s - loss: 0.4317 - accuracy:
650/750 [=====>....] - ETA: 0s - loss: 0.4317 - accuracy:
0.9123 [=====>....] - ETA: 0s - loss: 0.4316 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.4316 - accuracy:
0.9122 [=====>..] - ETA: 0s - loss: 0.4321 - accuracy:
750/750 [=====] - 1s 849us/step - loss: 0.4321 - accuracy:
0.9123 - val_loss: 0.5098 - val_accuracy: 0.8832
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.5359 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4149 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.4149 - accuracy:
0.9146 [=>.....] - ETA: 0s - loss: 0.4206 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.4206 - accuracy:

0.9152 [=====>.....] - ETA: 0s - loss: 0.4256 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.4256 - accuracy:
0.9131 [=====>.....] - ETA: 0s - loss: 0.4302 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.4302 - accuracy:
0.9120 [=====>.....] - ETA: 0s - loss: 0.4317 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.4317 - accuracy:
0.9117 [=====>.....] - ETA: 0s - loss: 0.4305 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.4305 - accuracy:
0.9118 [=====>.....] - ETA: 0s - loss: 0.4320 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.4320 - accuracy:
0.9112 [=====>.....] - ETA: 0s - loss: 0.4331 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.4331 - accuracy:
0.9107 [=====>....] - ETA: 0s - loss: 0.4325 - accuracy:
650/750 [=====>....] - ETA: 0s - loss: 0.4325 - accuracy:
0.9108 [=====>..] - ETA: 0s - loss: 0.4326 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 0.4326 - accuracy:
0.9107 [=====] - 1s 841us/step - loss: 0.4315 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.4315 - accuracy:
0.9109 - val_loss: 0.5277 - val_accuracy: 0.8784
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.5407 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.4135 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.4135 - accuracy:
0.9148 [====>.....] - ETA: 0s - loss: 0.4115 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.4115 - accuracy:
0.9152 [=====>.....] - ETA: 0s - loss: 0.4148 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.4148 - accuracy:
0.9157 [=====>.....] - ETA: 0s - loss: 0.4180 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.4180 - accuracy:
0.9152 [=====>.....] - ETA: 0s - loss: 0.4250 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.4250 - accuracy:
0.9134 [=====>.....] - ETA: 0s - loss: 0.4267 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.4267 - accuracy:
0.9117 [=====>.....] - ETA: 0s - loss: 0.4273 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.4273 - accuracy:
0.9114 [=====>.....] - ETA: 0s - loss: 0.4264 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.4264 - accuracy:
0.9119 [=====>....] - ETA: 0s - loss: 0.4275 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.4275 - accuracy:
0.9116 [=====>.] - ETA: 0s - loss: 0.4286 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.4286 - accuracy:
0.9113 [=====>.] - 1s 842us/step - loss: 0.4281 - accuracy:
750/750 [=====>.] - 1s 842us/step - loss: 0.4281 - accuracy:
0.9116 - val_loss: 0.5348 - val_accuracy: 0.8722
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.3880 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.4132 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4132 - accuracy:

0.9174 [.....] - ETA: 0s - loss: 0.4169 - accuracy: 0.9178
145/750 [====>.....] - ETA: 0s - loss: 0.4169 - accuracy: 0.9178
217/750 [=====>.....] - ETA: 0s - loss: 0.4183 - accuracy: 0.9168
291/750 [=====>.....] - ETA: 0s - loss: 0.4184 - accuracy: 0.9166
363/750 [=====>.....] - ETA: 0s - loss: 0.4181 - accuracy: 0.9169
436/750 [=====>.....] - ETA: 0s - loss: 0.4210 - accuracy: 0.9151
510/750 [=====>.....] - ETA: 0s - loss: 0.4218 - accuracy: 0.9150
583/750 [=====>.....] - ETA: 0s - loss: 0.4239 - accuracy: 0.9140
657/750 [=====>....] - ETA: 0s - loss: 0.4251 - accuracy: 0.9140
731/750 [=====>.] - ETA: 0s - loss: 0.4262 - accuracy: 0.9132
750/750 [=====] - 1s 840us/step - loss: 0.4258 - accuracy: 0.9133 - val_loss: 0.5081 - val_accuracy: 0.8836
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.3239 - accuracy: 0.9531
72/750 [=>.....] - ETA: 0s - loss: 0.4493 - accuracy: 0.9047
146/750 [====>.....] - ETA: 0s - loss: 0.4351 - accuracy: 0.9085
220/750 [=====>.....] - ETA: 0s - loss: 0.4298 - accuracy: 0.9102
294/750 [=====>.....] - ETA: 0s - loss: 0.4255 - accuracy: 0.9126
367/750 [=====>.....] - ETA: 0s - loss: 0.4296 - accuracy: 0.9114
438/750 [=====>.....] - ETA: 0s - loss: 0.4308 - accuracy: 0.9111
510/750 [=====>.....] - ETA: 0s - loss: 0.4302 - accuracy: 0.9104
584/750 [=====>.....] - ETA: 0s - loss: 0.4269 - accuracy: 0.9113
655/750 [=====>....] - ETA: 0s - loss: 0.4268 - accuracy: 0.9110
727/750 [=====>.] - ETA: 0s - loss: 0.4253 - accuracy: 0.9111
750/750 [=====] - 1s 841us/step - loss: 0.4250 - accuracy: 0.9115 - val_loss: 0.5281 - val_accuracy: 0.8758
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.3467 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.4079 - accuracy: 0.9248
74/750 [=>.....] - ETA: 0s - loss: 0.4079 - accuracy: 0.9248
147/750 [====>.....] - ETA: 0s - loss: 0.4173 - accuracy: 0.9186
221/750 [=====>.....] - ETA: 0s - loss: 0.4187 - accuracy: 0.9186
291/750 [======>.....] - ETA: 0s - loss: 0.4182 - accuracy: 0.9175
365/750 [======>.....] - ETA: 0s - loss: 0.4179 - accuracy: 0.9172
440/750 [======>.....] - ETA: 0s - loss: 0.4180 - accuracy: 0.9168
512/750 [======>.....] - ETA: 0s - loss: 0.4214 - accuracy: 0.9153
584/750 [======>.....] - ETA: 0s - loss: 0.4224 - accuracy: 0.9145
657/750 [======>....] - ETA: 0s - loss: 0.4226 - accuracy: 0.9140
729/750 [======>.] - ETA: 0s - loss: 0.4200 - accuracy: 0.9147
750/750 [=====] - 1s 841us/step - loss: 0.4203 - accuracy: 0.9145 - val_loss: 0.5378 - val_accuracy: 0.8741
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.6304 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.4200 - accuracy: 0.9152
146/750 [====>.....] - ETA: 0s - loss: 0.4168 - accuracy: 0.9132
220/750 [=====>.....] - ETA: 0s - loss: 0.4136 - accuracy: 0.9153
292/750 [======>.....] - ETA: 0s - loss: 0.4175 - accuracy: 0.9144
364/750 [======>.....] - ETA: 0s - loss: 0.4179 - accuracy: 0.9148
436/750 [======>.....] - ETA: 0s - loss: 0.4187 - accuracy: 0.9146
510/750 [======>.....] - ETA: 0s - loss: 0.4196 - accuracy: 0.9142
584/750 [======>.....] - ETA: 0s - loss: 0.4199 - accuracy: 0.9137
658/750 [======>....] - ETA: 0s - loss: 0.4197 - accuracy: 0.9137
732/750 [======>.] - ETA: 0s - loss: 0.4196 - accuracy: 0.9136
750/750 [=====] - 1s 842us/step - loss: 0.4197 - accuracy: 0.9134 - val_loss: 0.5247 - val_accuracy: 0.8779
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.4114 - accuracy: 0.9185
147/750 [====>.....] - ETA: 0s - loss: 0.4109 - accuracy: 0.9185
220/750 [=====>.....] - ETA: 0s - loss: 0.4103 - accuracy: 0.9179
293/750 [======>.....] - ETA: 0s - loss: 0.4108 - accuracy: 0.9176
366/750 [======>.....] - ETA: 0s - loss: 0.4128 - accuracy: 0.9162
439/750 [======>.....] - ETA: 0s - loss: 0.4151 - accuracy: 0.9151
513/750 [======>.....] - ETA: 0s - loss: 0.4146 - accuracy: 0.9152
586/750 [======>.....] - ETA: 0s - loss: 0.4159 - accuracy: 0.9150
659/750 [======>....] - ETA: 0s - loss: 0.4162 - accuracy: 0.9146
733/750 [======>.] - ETA: 0s - loss: 0.4154 - accuracy: 0.9149
750/750 [=====] - 1s 844us/step - loss: 0.4155 - accuracy: 0.9148 - val_loss: 0.5023 - val_accuracy: 0.8856
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.4142 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.3963 - accuracy: 0.9202
147/750 [====>.....] - ETA: 0s - loss: 0.4069 - accuracy: 0.9174
220/750 [=====>.....] - ETA: 0s - loss: 0.4098 - accuracy: 0.9166
293/750 [======>.....] - ETA: 0s - loss: 0.4151 - accuracy: 0.9150
364/750 [======>.....] - ETA: 0s - loss: 0.4151 - accuracy: 0.9156
438/750 [======>.....] - ETA: 0s - loss: 0.4153 - accuracy: 0.9158
509/750 [======>.....] - ETA: 0s - loss: 0.4164 - accuracy: 0.9153
581/750 [======>.....] - ETA: 0s - loss: 0.4165 - accuracy: 0.9149
655/750 [======>....] - ETA: 0s - loss: 0.4151 - accuracy: 0.9154
727/750 [======>.] - ETA: 0s - loss: 0.4143 - accuracy: 0.9155
750/750 [=====] - 1s 840us/step - loss: 0.4141 - accuracy:

0.9154 - val_loss: 0.5113 - val_accuracy: 0.8824
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.4114 - accuracy:
0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.4019 - accuracy:
0.9217
147/750 [====>.....] - ETA: 0s - loss: 0.4076 - accuracy:
0.9179
220/750 [=====>.....] - ETA: 0s - loss: 0.4088 - accuracy:
0.9175
294/750 [======>.....] - ETA: 0s - loss: 0.4165 - accuracy:
0.9146
366/750 [======>.....] - ETA: 0s - loss: 0.4152 - accuracy:
0.9144
441/750 [======>.....] - ETA: 0s - loss: 0.4142 - accuracy:
0.9149
515/750 [======>.....] - ETA: 0s - loss: 0.4164 - accuracy:
0.9134
586/750 [======>.....] - ETA: 0s - loss: 0.4158 - accuracy:
0.9141
660/750 [======>....] - ETA: 0s - loss: 0.4134 - accuracy:
0.9145
734/750 [======>.] - ETA: 0s - loss: 0.4137 - accuracy:
0.9141
750/750 [=====] - 1s 834us/step - loss: 0.4140 - accuracy:
0.9138 - val_loss: 0.5084 - val_accuracy: 0.8834
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.4741 - accuracy:
0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.4020 - accuracy:
0.9210
147/750 [====>.....] - ETA: 0s - loss: 0.4064 - accuracy:
0.9179
220/750 [=====>.....] - ETA: 0s - loss: 0.4064 - accuracy:
0.9179
291/750 [======>.....] - ETA: 0s - loss: 0.4037 - accuracy:
0.9190
363/750 [======>.....] - ETA: 0s - loss: 0.4064 - accuracy:
0.9177
436/750 [======>.....] - ETA: 0s - loss: 0.4052 - accuracy:
0.9185
509/750 [======>.....] - ETA: 0s - loss: 0.4073 - accuracy:
0.9169
583/750 [======>.....] - ETA: 0s - loss: 0.4112 - accuracy:
0.9152
654/750 [======>....] - ETA: 0s - loss: 0.4096 - accuracy:
0.9161
729/750 [======>.] - ETA: 0s - loss: 0.4096 - accuracy:

0.9160
750/750 [=====] - 1s 841us/step - loss: 0.4090 - accuracy:
0.9161 - val_loss: 0.5055 - val_accuracy: 0.8820
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.5179 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.4118 - accuracy:
0.9159
148/750 [===>.....] - ETA: 0s - loss: 0.4095 - accuracy:
0.9158
221/750 [=====>.....] - ETA: 0s - loss: 0.4027 - accuracy:
0.9200
295/750 [=====>.....] - ETA: 0s - loss: 0.4047 - accuracy:
0.9191
366/750 [=====>.....] - ETA: 0s - loss: 0.4083 - accuracy:
0.9170
440/750 [=====>.....] - ETA: 0s - loss: 0.4064 - accuracy:
0.9176
513/750 [=====>.....] - ETA: 0s - loss: 0.4051 - accuracy:
0.9184
587/750 [=====>.....] - ETA: 0s - loss: 0.4073 - accuracy:
0.9178
661/750 [=====>....] - ETA: 0s - loss: 0.4080 - accuracy:
0.9175
731/750 [=====>.] - ETA: 0s - loss: 0.4086 - accuracy:
0.9173
750/750 [=====] - 1s 838us/step - loss: 0.4083 - accuracy:
0.9176 - val_loss: 0.5141 - val_accuracy: 0.8758
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.4436 - accuracy:
0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.3874 - accuracy:
0.9234
148/750 [===>.....] - ETA: 0s - loss: 0.3971 - accuracy:
0.9189
221/750 [=====>.....] - ETA: 0s - loss: 0.3966 - accuracy:
0.9192
294/750 [=====>.....] - ETA: 0s - loss: 0.3989 - accuracy:
0.9189
369/750 [=====>.....] - ETA: 0s - loss: 0.4009 - accuracy:
0.9175
439/750 [=====>.....] - ETA: 0s - loss: 0.4053 - accuracy:
0.9159
513/750 [=====>.....] - ETA: 0s - loss: 0.4065 - accuracy:
0.9159
587/750 [=====>.....] - ETA: 0s - loss: 0.4058 - accuracy:
0.9163
658/750 [=====>....] - ETA: 0s - loss: 0.4066 - accuracy:

0.9162 [=====] - ETA: 0s - loss: 0.4073 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.4073 - accuracy:
0.9157 [=====] - ETA: 0s - loss: 0.4073 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.4069 - accuracy:
0.9161 - val_loss: 0.4993 - val_accuracy: 0.8841
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.5062 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5062 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4005 - accuracy:
0.9215 [.....] - ETA: 0s - loss: 0.4005 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3977 - accuracy:
0.9212 [.....] - ETA: 0s - loss: 0.3977 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.4011 - accuracy:
0.9192 [.....] - ETA: 0s - loss: 0.4011 - accuracy:
294/750 [======>.....] - ETA: 0s - loss: 0.3977 - accuracy:
0.9202 [.....] - ETA: 0s - loss: 0.3977 - accuracy:
368/750 [======>.....] - ETA: 0s - loss: 0.4007 - accuracy:
0.9180 [.....] - ETA: 0s - loss: 0.4007 - accuracy:
441/750 [======>.....] - ETA: 0s - loss: 0.4030 - accuracy:
0.9179 [.....] - ETA: 0s - loss: 0.4030 - accuracy:
514/750 [======>.....] - ETA: 0s - loss: 0.4028 - accuracy:
0.9184 [.....] - ETA: 0s - loss: 0.4028 - accuracy:
589/750 [======>.....] - ETA: 0s - loss: 0.4030 - accuracy:
0.9176 [.....] - ETA: 0s - loss: 0.4030 - accuracy:
661/750 [======>....] - ETA: 0s - loss: 0.4043 - accuracy:
0.9170 [.....] - ETA: 0s - loss: 0.4043 - accuracy:
733/750 [======>.] - ETA: 0s - loss: 0.4042 - accuracy:
0.9178 [.....] - ETA: 0s - loss: 0.4042 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.4039 - accuracy:
0.9178 - val_loss: 0.5195 - val_accuracy: 0.8777
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3626 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.4068 - accuracy:
0.9178 [.....] - ETA: 0s - loss: 0.4068 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3956 - accuracy:
0.9201 [.....] - ETA: 0s - loss: 0.3956 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3969 - accuracy:
0.9188 [.....] - ETA: 0s - loss: 0.3969 - accuracy:
290/750 [======>.....] - ETA: 0s - loss: 0.3998 - accuracy:
0.9173 [.....] - ETA: 0s - loss: 0.3998 - accuracy:
359/750 [======>.....] - ETA: 0s - loss: 0.4018 - accuracy:
0.9167 [.....] - ETA: 0s - loss: 0.4018 - accuracy:
430/750 [======>.....] - ETA: 0s - loss: 0.4028 - accuracy:
0.9165 [.....] - ETA: 0s - loss: 0.4028 - accuracy:
501/750 [======>.....] - ETA: 0s - loss: 0.4023 - accuracy:
0.9167 [.....] - ETA: 0s - loss: 0.4023 - accuracy:
573/750 [======>.....] - ETA: 0s - loss: 0.4030 - accuracy:

0.9167 [=====>.....] - ETA: 0s - loss: 0.4034 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.4034 - accuracy:
0.9164 [=====>.....] - ETA: 0s - loss: 0.4034 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.4017 - accuracy:
0.9173 [=====] - 1s 850us/step - loss: 0.4023 - accuracy:
750/750 [=====] - 1s 850us/step - loss: 0.4023 - accuracy:
0.9168 - val_loss: 0.5195 - val_accuracy: 0.8770
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.4019 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.3935 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3935 - accuracy:
0.9169 [====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
0.9207 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
0.9207 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3962 - accuracy:
0.9201 [=====>.....] - ETA: 0s - loss: 0.3962 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3981 - accuracy:
0.9187 [=====>.....] - ETA: 0s - loss: 0.3981 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3990 - accuracy:
0.9185 [=====>.....] - ETA: 0s - loss: 0.3990 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.3998 - accuracy:
0.9178 [=====>.....] - ETA: 0s - loss: 0.3998 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.3999 - accuracy:
0.9183 [=====>.....] - ETA: 0s - loss: 0.3999 - accuracy:
648/750 [=====>.....] - ETA: 0s - loss: 0.4007 - accuracy:
0.9176 [=====>.....] - ETA: 0s - loss: 0.4007 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.4031 - accuracy:
0.9168 [=====>..] - ETA: 0s - loss: 0.4031 - accuracy:
750/750 [=====>..] - 1s 852us/step - loss: 0.4029 - accuracy:
0.9168 - val_loss: 0.5216 - val_accuracy: 0.8773
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.4345 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.3877 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3877 - accuracy:
0.9240 [====>.....] - ETA: 0s - loss: 0.3886 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3886 - accuracy:
0.9227 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy:
0.9211 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
0.9197 [=====>.....] - ETA: 0s - loss: 0.3967 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3957 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3957 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
0.9195 [=====>.....] - ETA: 0s - loss: 0.3972 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.3971 - accuracy:

0.9196 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3975 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3976 - accuracy:
653/750 [=====>.....] - ETA: 0s - loss: 0.3976 - accuracy:
0.9191 [=====>.....] - ETA: 0s - loss: 0.3997 - accuracy:
723/750 [=====>.....] - ETA: 0s - loss: 0.3997 - accuracy:
0.9185 [=====>.....] - ETA: 0s - loss: 0.3998 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3998 - accuracy:
0.9185 - val_loss: 0.5315 - val_accuracy: 0.8756
Epoch 74/220

1/750 [=====>.....] - ETA: 0s - loss: 0.4325 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.4015 - accuracy:
0.9167 [=====>.....] - ETA: 0s - loss: 0.3982 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.3982 - accuracy:
0.9185 [=====>.....] - ETA: 0s - loss: 0.4031 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.4031 - accuracy:
0.9162 [=====>.....] - ETA: 0s - loss: 0.4012 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.4012 - accuracy:
0.9161 [=====>.....] - ETA: 0s - loss: 0.4022 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.4022 - accuracy:
0.9155 [=====>.....] - ETA: 0s - loss: 0.3995 - accuracy:
428/750 [=====>.....] - ETA: 0s - loss: 0.3995 - accuracy:
0.9167 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
500/750 [=====>.....] - ETA: 0s - loss: 0.3996 - accuracy:
0.9169 [=====>.....] - ETA: 0s - loss: 0.3983 - accuracy:
572/750 [=====>.....] - ETA: 0s - loss: 0.3983 - accuracy:
0.9178 [=====>.....] - ETA: 0s - loss: 0.3976 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.3976 - accuracy:
0.9182 [=====>.....] - ETA: 0s - loss: 0.3992 - accuracy:
719/750 [=====>.....] - ETA: 0s - loss: 0.3992 - accuracy:
0.9173 [=====>.....] - ETA: 0s - loss: 0.4000 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.4000 - accuracy:
0.9169 - val_loss: 0.5373 - val_accuracy: 0.8749
Epoch 75/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5373 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.3989 - accuracy:
73/750 [=====>.....] - ETA: 0s - loss: 0.3989 - accuracy:
0.9232 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.3922 - accuracy:
0.9202 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3921 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3862 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.3862 - accuracy:
0.9211 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
0.9206 [=====>.....] - ETA: 0s - loss: 0.3887 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3887 - accuracy:

0.9204 [=====>.....] - ETA: 0s - loss: 0.3909 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy:
0.9192 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy:
661/750 [=====>....] - ETA: 0s - loss: 0.3955 - accuracy:
0.9173 [=====>....] - ETA: 0s - loss: 0.3955 - accuracy:
735/750 [=====>.] - ETA: 0s - loss: 0.3963 - accuracy:
0.9174 [=====>.] - ETA: 0s - loss: 0.3963 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3967 - accuracy:
0.9173 - val_loss: 0.5588 - val_accuracy: 0.8637
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3386 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.4120 - accuracy:
0.9126 [=>.....] - ETA: 0s - loss: 0.4120 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.3993 - accuracy:
0.9186 [====>.....] - ETA: 0s - loss: 0.3993 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
0.9203 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.3906 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3906 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
0.9185 [=====>.....] - ETA: 0s - loss: 0.3935 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.3937 - accuracy:
0.9193 [=====>.....] - ETA: 0s - loss: 0.3937 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
0.9202 [=====>.....] - ETA: 0s - loss: 0.3916 - accuracy:
574/750 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
0.9199 [=====>.....] - ETA: 0s - loss: 0.3923 - accuracy:
647/750 [=====>....] - ETA: 0s - loss: 0.3938 - accuracy:
0.9194 [=====>....] - ETA: 0s - loss: 0.3938 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.3926 - accuracy:
0.9195 [=====>..] - ETA: 0s - loss: 0.3926 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.3921 - accuracy:
0.9198 - val_loss: 0.5085 - val_accuracy: 0.8847
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.3718 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3718 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3863 - accuracy:
0.9262 [=>.....] - ETA: 0s - loss: 0.3863 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9251 [====>.....] - ETA: 0s - loss: 0.3855 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
0.9243 [=====>.....] - ETA: 0s - loss: 0.3839 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3870 - accuracy:
0.9235 [=====>.....] - ETA: 0s - loss: 0.3870 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3859 - accuracy:

0.9235 [=====>.....] - ETA: 0s - loss: 0.3862 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3857 - accuracy:
0.9227 [=====>.....] - ETA: 0s - loss: 0.3904 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.3913 - accuracy:
0.9231 [=====>.....] - ETA: 0s - loss: 0.3933 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
0.9213 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
657/750 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
0.9206 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
730/750 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
0.9196 [=====>.....] - ETA: 0s - loss: 0.3932 - accuracy:
750/750 [=====] - 1s 839us/step - loss: 0.3932 - accuracy:
0.9198 - val_loss: 0.4943 - val_accuracy: 0.8881
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.2316 - accuracy:
0.9844 [=>.....] - ETA: 0s - loss: 0.3811 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3844 - accuracy:
0.9245 [=====>.....] - ETA: 0s - loss: 0.3882 - accuracy:
142/750 [=====>.....] - ETA: 0s - loss: 0.3883 - accuracy:
0.9235 [=====>.....] - ETA: 0s - loss: 0.3896 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3890 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3896 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
0.9202 [=====>.....] - ETA: 0s - loss: 0.3908 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9197 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9201 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9198 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
576/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9198 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
650/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9198 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
723/750 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
0.9202 [=====>.....] - ETA: 0s - loss: 0.3910 - accuracy:
750/750 [=====] - 1s 847us/step - loss: 0.3910 - accuracy:
0.9202 - val_loss: 0.5252 - val_accuracy: 0.8769
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.3321 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3917 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3850 - accuracy:
0.9169 [=====>.....] - ETA: 0s - loss: 0.3876 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3876 - accuracy:
0.9213 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
0.9207 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:

0.9192 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
0.9197 [=====>.....] - ETA: 0s - loss: 0.3914 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.3914 - accuracy:
0.9183 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.3905 - accuracy:
0.9188 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.3892 - accuracy:
0.9193 [=====>.....] - ETA: 0s - loss: 0.3888 - accuracy:
657/750 [=====>.....] - ETA: 0s - loss: 0.3888 - accuracy:
0.9195 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
732/750 [=====>.....] - ETA: 0s - loss: 0.3898 - accuracy:
0.9192 [=====>.....] - ETA: 0s - loss: 0.3897 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3897 - accuracy:
0.9193 - val_loss: 0.5018 - val_accuracy: 0.8823
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.3218 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3822 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3822 - accuracy:
0.9258 [====>.....] - ETA: 0s - loss: 0.3871 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.3871 - accuracy:
0.9212 [====>.....] - ETA: 0s - loss: 0.3848 - accuracy:
218/750 [====>.....] - ETA: 0s - loss: 0.3848 - accuracy:
0.9205 [====>.....] - ETA: 0s - loss: 0.3842 - accuracy:
291/750 [====>.....] - ETA: 0s - loss: 0.3842 - accuracy:
0.9204 [====>.....] - ETA: 0s - loss: 0.3885 - accuracy:
364/750 [====>.....] - ETA: 0s - loss: 0.3885 - accuracy:
0.9196 [====>.....] - ETA: 0s - loss: 0.3903 - accuracy:
439/750 [====>.....] - ETA: 0s - loss: 0.3903 - accuracy:
0.9190 [====>.....] - ETA: 0s - loss: 0.3895 - accuracy:
512/750 [====>.....] - ETA: 0s - loss: 0.3895 - accuracy:
0.9190 [====>.....] - ETA: 0s - loss: 0.3889 - accuracy:
585/750 [====>.....] - ETA: 0s - loss: 0.3889 - accuracy:
0.9191 [====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
659/750 [====>.....] - ETA: 0s - loss: 0.3894 - accuracy:
0.9194 [====>.....] - ETA: 0s - loss: 0.3895 - accuracy:
730/750 [====>.....] - ETA: 0s - loss: 0.3895 - accuracy:
0.9195 [====>.....] - ETA: 0s - loss: 0.3890 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.3890 - accuracy:
0.9195 - val_loss: 0.4961 - val_accuracy: 0.8878
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.3998 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.3948 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3948 - accuracy:
0.9129 [====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3797 - accuracy:
0.9207 [====>.....] - ETA: 0s - loss: 0.3821 - accuracy:
222/750 [====>.....] - ETA: 0s - loss: 0.3821 - accuracy:

0.9217 [.....] - ETA: 0s - loss: 0.3868 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3868 - accuracy:
0.9203 [.....] - ETA: 0s - loss: 0.3854 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3854 - accuracy:
0.9214 [.....] - ETA: 0s - loss: 0.3878 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3878 - accuracy:
0.9200 [.....] - ETA: 0s - loss: 0.3875 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3875 - accuracy:
0.9197 [.....] - ETA: 0s - loss: 0.3873 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.3873 - accuracy:
0.9201 [.....] - ETA: 0s - loss: 0.3888 - accuracy:
659/750 [=====>....] - ETA: 0s - loss: 0.3888 - accuracy:
0.9193 [.....] - ETA: 0s - loss: 0.3875 - accuracy:
734/750 [=====>.] - ETA: 0s - loss: 0.3875 - accuracy:
0.9200 [.....] - ETA: 0s - loss: 0.3873 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3873 - accuracy:
0.9201 - val_loss: 0.4931 - val_accuracy: 0.8852
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3762 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3762 - accuracy:
0.9251 [.....] - ETA: 0s - loss: 0.3834 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9217 [.....] - ETA: 0s - loss: 0.3826 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3826 - accuracy:
0.9222 [.....] - ETA: 0s - loss: 0.3887 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.3887 - accuracy:
0.9197 [.....] - ETA: 0s - loss: 0.3855 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9213 [.....] - ETA: 0s - loss: 0.3846 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.3846 - accuracy:
0.9216 [.....] - ETA: 0s - loss: 0.3837 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.3837 - accuracy:
0.9217 [.....] - ETA: 0s - loss: 0.3840 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3840 - accuracy:
0.9218 [.....] - ETA: 0s - loss: 0.3839 - accuracy:
657/750 [=====>....] - ETA: 0s - loss: 0.3839 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3862 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.3862 - accuracy:
0.9208 [.....] - ETA: 0s - loss: 0.3865 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.3865 - accuracy:
0.9207 - val_loss: 0.4960 - val_accuracy: 0.8841
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.2615 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3855 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3855 - accuracy:
0.9227 [.....] - ETA: 0s - loss: 0.3845 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3845 - accuracy:

0.9208 [=====>.....] - ETA: 0s - loss: 0.3886 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3886 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3878 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3878 - accuracy:
0.9204 [=====>.....] - ETA: 0s - loss: 0.3857 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.3857 - accuracy:
0.9214 [=====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3865 - accuracy:
0.9208 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.3853 - accuracy:
0.9210 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3841 - accuracy:
0.9216 [=====>.....] - ETA: 0s - loss: 0.3831 - accuracy:
643/750 [=====>.....] - ETA: 0s - loss: 0.3831 - accuracy:
0.9218 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy:
714/750 [=====>..] - ETA: 0s - loss: 0.3819 - accuracy:
0.9223 [=====>..] - ETA: 0s - loss: 0.3829 - accuracy:
750/750 [=====] - 1s 861us/step - loss: 0.3829 - accuracy:
0.9220 - val_loss: 0.5029 - val_accuracy: 0.8851
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.3852 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3889 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3889 - accuracy:
0.9232 [=>.....] - ETA: 0s - loss: 0.3808 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.3808 - accuracy:
0.9249 [====>.....] - ETA: 0s - loss: 0.3794 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3794 - accuracy:
0.9239 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy:
0.9233 [=====>.....] - ETA: 0s - loss: 0.3827 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3827 - accuracy:
0.9218 [=====>.....] - ETA: 0s - loss: 0.3827 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy:
0.9221 [=====>.....] - ETA: 0s - loss: 0.3819 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.3838 - accuracy:
0.9226 [=====>.....] - ETA: 0s - loss: 0.3838 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
0.9220 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.3843 - accuracy:
0.9224 [=====>....] - ETA: 0s - loss: 0.3843 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.3842 - accuracy:
0.9220 [=====>.] - ETA: 0s - loss: 0.3842 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3842 - accuracy:
0.9220 - val_loss: 0.5191 - val_accuracy: 0.8770
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.3873 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3644 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3644 - accuracy:

0.9308 [.....] - ETA: 0s - loss: 0.3728 - accuracy: 0.9277
147/750 [====>.....] - ETA: 0s - loss: 0.3726 - accuracy: 0.9269
219/750 [=====>.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.9266
292/750 [=====>.....] - ETA: 0s - loss: 0.3764 - accuracy: 0.9248
367/750 [=====>.....] - ETA: 0s - loss: 0.3773 - accuracy: 0.9244
438/750 [=====>.....] - ETA: 0s - loss: 0.3784 - accuracy: 0.9239
510/750 [=====>.....] - ETA: 0s - loss: 0.3787 - accuracy: 0.9236
585/750 [=====>.....] - ETA: 0s - loss: 0.3799 - accuracy: 0.9231
657/750 [=====>....] - ETA: 0s - loss: 0.3812 - accuracy: 0.9223
730/750 [=====>.] - ETA: 0s - loss: 0.3813 - accuracy: 0.9221
750/750 [=====] - 1s 840us/step - loss: 0.5144 - val_accuracy: 0.8787
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.3205 - accuracy: 0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.3860 - accuracy: 0.9212
146/750 [====>.....] - ETA: 0s - loss: 0.3810 - accuracy: 0.9223
218/750 [=====>.....] - ETA: 0s - loss: 0.3834 - accuracy: 0.9205
292/750 [=====>.....] - ETA: 0s - loss: 0.3846 - accuracy: 0.9193
365/750 [=====>.....] - ETA: 0s - loss: 0.3843 - accuracy: 0.9193
439/750 [=====>.....] - ETA: 0s - loss: 0.3851 - accuracy: 0.9197
510/750 [=====>.....] - ETA: 0s - loss: 0.3851 - accuracy: 0.9201
584/750 [=====>.....] - ETA: 0s - loss: 0.3827 - accuracy: 0.9213
658/750 [=====>....] - ETA: 0s - loss: 0.3822 - accuracy: 0.9218
731/750 [=====>.] - ETA: 0s - loss: 0.3832 - accuracy: 0.9214
750/750 [=====] - 1s 840us/step - loss: 0.5134 - val_accuracy: 0.8817
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.3095 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.3763 - accuracy: 0.9225
73/750 [=>.....] - ETA: 0s - loss: 0.3763 - accuracy: 0.9225
146/750 [====>.....] - ETA: 0s - loss: 0.3802 - accuracy: 0.9238
220/750 [=====>.....] - ETA: 0s - loss: 0.3784 - accuracy: 0.9244
292/750 [======>.....] - ETA: 0s - loss: 0.3809 - accuracy: 0.9229
367/750 [======>.....] - ETA: 0s - loss: 0.3783 - accuracy: 0.9236
440/750 [======>.....] - ETA: 0s - loss: 0.3773 - accuracy: 0.9246
513/750 [======>.....] - ETA: 0s - loss: 0.3783 - accuracy: 0.9240
588/750 [======>.....] - ETA: 0s - loss: 0.3786 - accuracy: 0.9238
659/750 [======>....] - ETA: 0s - loss: 0.3783 - accuracy: 0.9239
733/750 [======>.] - ETA: 0s - loss: 0.3785 - accuracy: 0.9238
750/750 [=====] - 1s 841us/step - loss: 0.3784 - accuracy: 0.9237 - val_loss: 0.5034 - val_accuracy: 0.8800
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.3798 - accuracy: 0.9187
145/750 [====>.....] - ETA: 0s - loss: 0.3734 - accuracy: 0.9219
219/750 [=====>.....] - ETA: 0s - loss: 0.3757 - accuracy: 0.9231
291/750 [======>.....] - ETA: 0s - loss: 0.3778 - accuracy: 0.9226
365/750 [======>.....] - ETA: 0s - loss: 0.3773 - accuracy: 0.9231
439/750 [======>.....] - ETA: 0s - loss: 0.3774 - accuracy: 0.9230
510/750 [======>.....] - ETA: 0s - loss: 0.3761 - accuracy: 0.9240
583/750 [======>.....] - ETA: 0s - loss: 0.3786 - accuracy: 0.9226
653/750 [======>....] - ETA: 0s - loss: 0.3786 - accuracy: 0.9226
727/750 [======>.] - ETA: 0s - loss: 0.3798 - accuracy: 0.9221
750/750 [=====] - 1s 840us/step - loss: 0.3797 - accuracy: 0.9220 - val_loss: 0.4917 - val_accuracy: 0.8865
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.3725 - accuracy: 0.9297
148/750 [====>.....] - ETA: 0s - loss: 0.3787 - accuracy: 0.9241
221/750 [=====>.....] - ETA: 0s - loss: 0.3770 - accuracy: 0.9236
294/750 [=====>.....] - ETA: 0s - loss: 0.3785 - accuracy: 0.9228
295/750 [=====>.....] - ETA: 0s - loss: 0.3786 - accuracy: 0.9228
359/750 [=====>.....] - ETA: 0s - loss: 0.3778 - accuracy: 0.9226
426/750 [=====>.....] - ETA: 0s - loss: 0.3779 - accuracy: 0.9226
496/750 [=====>.....] - ETA: 0s - loss: 0.3780 - accuracy: 0.9231
566/750 [=====>.....] - ETA: 0s - loss: 0.3791 - accuracy: 0.9232
638/750 [=====>....] - ETA: 0s - loss: 0.3795 - accuracy: 0.9224
710/750 [=====>..] - ETA: 0s - loss: 0.3786 - accuracy: 0.9224
750/750 [=====] - 1s 1ms/step - loss: 0.3784 - accuracy: 0.9225 - val_loss: 0.5011 - val_accuracy: 0.8827
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9531
71/750 [=>.....] - ETA: 0s - loss: 0.3709 - accuracy: 0.9256
140/750 [====>.....] - ETA: 0s - loss: 0.3652 - accuracy: 0.9279
214/750 [=====>.....] - ETA: 0s - loss: 0.3686 - accuracy: 0.9267
286/750 [=====>.....] - ETA: 0s - loss: 0.3735 - accuracy: 0.9247
361/750 [=====>.....] - ETA: 0s - loss: 0.3738 - accuracy: 0.9248
435/750 [=====>.....] - ETA: 0s - loss: 0.3735 - accuracy: 0.9243
507/750 [=====>.....] - ETA: 0s - loss: 0.3754 - accuracy: 0.9236
579/750 [=====>.....] - ETA: 0s - loss: 0.3752 - accuracy: 0.9236
652/750 [=====>....] - ETA: 0s - loss: 0.3755 - accuracy: 0.9238
724/750 [=====>..] - ETA: 0s - loss: 0.3776 - accuracy:

0.9229
750/750 [=====] - 1s 848us/step - loss: 0.3786 - accuracy:
0.9228 - val_loss: 0.5019 - val_accuracy: 0.8863
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.4669 - accuracy:
0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.3657 - accuracy:
0.9264
145/750 [====>.....] - ETA: 0s - loss: 0.3667 - accuracy:
0.9263
219/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9284
294/750 [======>.....] - ETA: 0s - loss: 0.3643 - accuracy:
0.9291
367/750 [======>.....] - ETA: 0s - loss: 0.3658 - accuracy:
0.9279
439/750 [======>.....] - ETA: 0s - loss: 0.3660 - accuracy:
0.9272
513/750 [======>.....] - ETA: 0s - loss: 0.3691 - accuracy:
0.9264
585/750 [======>.....] - ETA: 0s - loss: 0.3729 - accuracy:
0.9248
657/750 [======>....] - ETA: 0s - loss: 0.3721 - accuracy:
0.9253
730/750 [======>.] - ETA: 0s - loss: 0.3728 - accuracy:
0.9254
750/750 [=====] - 1s 837us/step - loss: 0.3734 - accuracy:
0.9254 - val_loss: 0.4845 - val_accuracy: 0.8881
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.4369 - accuracy:
0.8906
75/750 [=>.....] - ETA: 0s - loss: 0.3592 - accuracy:
0.9300
149/750 [====>.....] - ETA: 0s - loss: 0.3672 - accuracy:
0.9279
220/750 [=====>.....] - ETA: 0s - loss: 0.3713 - accuracy:
0.9270
293/750 [======>.....] - ETA: 0s - loss: 0.3714 - accuracy:
0.9270
365/750 [======>.....] - ETA: 0s - loss: 0.3710 - accuracy:
0.9256
438/750 [======>.....] - ETA: 0s - loss: 0.3721 - accuracy:
0.9259
511/750 [======>.....] - ETA: 0s - loss: 0.3738 - accuracy:
0.9254
586/750 [======>.....] - ETA: 0s - loss: 0.3726 - accuracy:
0.9255
658/750 [======>....] - ETA: 0s - loss: 0.3711 - accuracy:

0.9257 [=====] - ETA: 0s - loss: 0.3732 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.3732 - accuracy:
0.9254 [=====] - ETA: 0s - loss: 0.3732 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3724 - accuracy:
0.9255 - val_loss: 0.5023 - val_accuracy: 0.8849
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.3747 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3747 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3619 - accuracy:
0.9248 [.....] - ETA: 0s - loss: 0.3619 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
0.9236 [.....] - ETA: 0s - loss: 0.3673 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3701 - accuracy:
0.9237 [.....] - ETA: 0s - loss: 0.3701 - accuracy:
291/750 [======>.....] - ETA: 0s - loss: 0.3703 - accuracy:
0.9239 [.....] - ETA: 0s - loss: 0.3703 - accuracy:
363/750 [======>.....] - ETA: 0s - loss: 0.3696 - accuracy:
0.9244 [.....] - ETA: 0s - loss: 0.3696 - accuracy:
436/750 [======>.....] - ETA: 0s - loss: 0.3708 - accuracy:
0.9236 [.....] - ETA: 0s - loss: 0.3708 - accuracy:
510/750 [======>.....] - ETA: 0s - loss: 0.3708 - accuracy:
0.9236 [.....] - ETA: 0s - loss: 0.3708 - accuracy:
583/750 [======>.....] - ETA: 0s - loss: 0.3702 - accuracy:
0.9239 [.....] - ETA: 0s - loss: 0.3702 - accuracy:
657/750 [======>....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9235 [.....] - ETA: 0s - loss: 0.3716 - accuracy:
729/750 [======>.] - ETA: 0s - loss: 0.3723 - accuracy:
0.9231 [.....] - ETA: 0s - loss: 0.3723 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3725 - accuracy:
0.9232 - val_loss: 0.5088 - val_accuracy: 0.8830
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.3647 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3647 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3751 - accuracy:
0.9242 [.....] - ETA: 0s - loss: 0.3751 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3716 - accuracy:
0.9252 [.....] - ETA: 0s - loss: 0.3716 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3698 - accuracy:
0.9256 [.....] - ETA: 0s - loss: 0.3698 - accuracy:
292/750 [======>.....] - ETA: 0s - loss: 0.3684 - accuracy:
0.9268 [.....] - ETA: 0s - loss: 0.3684 - accuracy:
365/750 [======>.....] - ETA: 0s - loss: 0.3706 - accuracy:
0.9260 [.....] - ETA: 0s - loss: 0.3706 - accuracy:
438/750 [======>.....] - ETA: 0s - loss: 0.3715 - accuracy:
0.9255 [.....] - ETA: 0s - loss: 0.3715 - accuracy:
512/750 [======>.....] - ETA: 0s - loss: 0.3721 - accuracy:
0.9249 [.....] - ETA: 0s - loss: 0.3721 - accuracy:
587/750 [======>.....] - ETA: 0s - loss: 0.3726 - accuracy:

0.9246 [=====] - ETA: 0s - loss: 0.3711 - accuracy: 658/750 [=====>....] - ETA: 0s - loss: 0.3711 - accuracy: 0.9253 [=====] - ETA: 0s - loss: 0.3699 - accuracy: 732/750 [=====>.] - ETA: 0s - loss: 0.3699 - accuracy: 0.9259 [=====] - ETA: 1s 841us/step - loss: 0.3703 - accuracy: 750/750 [=====] - 1s 841us/step - loss: 0.3703 - accuracy: 0.9258 - val_loss: 0.4901 - val_accuracy: 0.8847
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.3196 - accuracy: 0.9375 [.....] - ETA: 0s - loss: 0.3468 - accuracy: 73/750 [=>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9334 [.....] - ETA: 0s - loss: 0.3581 - accuracy: 145/750 [=====>.....] - ETA: 0s - loss: 0.3581 - accuracy: 0.9291 [.....] - ETA: 0s - loss: 0.3574 - accuracy: 218/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy: 0.9308 [=====>.....] - ETA: 0s - loss: 0.3581 - accuracy: 291/750 [=====>.....] - ETA: 0s - loss: 0.3607 - accuracy: 363/750 [=====>.....] - ETA: 0s - loss: 0.3607 - accuracy: 0.9289 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy: 436/750 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy: 0.9277 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy: 508/750 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy: 0.9276 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy: 571/750 [=====>.....] - ETA: 0s - loss: 0.3664 - accuracy: 0.9273 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy: 646/750 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy: 0.9261 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy: 718/750 [=====>.....] - ETA: 0s - loss: 0.3672 - accuracy: 0.9266 [=====>.....] - ETA: 1s 850us/step - loss: 0.3672 - accuracy: 750/750 [=====>.....] - 1s 850us/step - loss: 0.3672 - accuracy: 0.9263 - val_loss: 0.5219 - val_accuracy: 0.8806
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.4502 - accuracy: 0.9062 [.....] - ETA: 0s - loss: 0.3597 - accuracy: 73/750 [=>.....] - ETA: 0s - loss: 0.3597 - accuracy: 0.9292 [.....] - ETA: 0s - loss: 0.3558 - accuracy: 148/750 [=====>.....] - ETA: 0s - loss: 0.3558 - accuracy: 0.9300 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy: 221/750 [=====>.....] - ETA: 0s - loss: 0.3571 - accuracy: 0.9301 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy: 281/750 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy: 0.9292 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy: 354/750 [=====>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.9279 [=====>.....] - ETA: 0s - loss: 0.3678 - accuracy: 423/750 [=====>.....] - ETA: 0s - loss: 0.3678 - accuracy: 0.9271 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy: 498/750 [=====>.....] - ETA: 0s - loss: 0.3692 - accuracy:

0.9266 [=====>.....] - ETA: 0s - loss: 0.3715 - accuracy:
570/750 [=====>.....] - ETA: 0s - loss: 0.3715 - accuracy:
0.9255 [=====>.....] - ETA: 0s - loss: 0.3709 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.3709 - accuracy:
0.9259 [=====>.....] - ETA: 0s - loss: 0.3707 - accuracy:
714/750 [=====>.....] - ETA: 0s - loss: 0.3707 - accuracy:
0.9260 [=====>.....] - ETA: 0s - loss: 0.3706 - accuracy:
750/750 [=====] - 1s 854us/step - loss: 0.3706 - accuracy:
0.9259 - val_loss: 0.5221 - val_accuracy: 0.8792
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.3226 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3615 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9271 [=>.....] - ETA: 0s - loss: 0.3636 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
0.9247 [=====>.....] - ETA: 0s - loss: 0.3666 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3666 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3693 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 0.3693 - accuracy:
0.9238 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.3673 - accuracy:
0.9244 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
422/750 [=====>.....] - ETA: 0s - loss: 0.3681 - accuracy:
0.9250 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
493/750 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9252 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.3690 - accuracy:
0.9253 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
637/750 [=====>.....] - ETA: 0s - loss: 0.3687 - accuracy:
0.9256 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
711/750 [=====>.....] - ETA: 0s - loss: 0.3703 - accuracy:
0.9247 [=====>.....] - ETA: 0s - loss: 0.3702 - accuracy:
750/750 [=====] - 1s 858us/step - loss: 0.3702 - accuracy:
0.9247 - val_loss: 0.5094 - val_accuracy: 0.8798
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.2213 - accuracy:
1.0000 [.....] - ETA: 0s - loss: 0.3502 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9358 [=>.....] - ETA: 0s - loss: 0.3603 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3603 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3565 - accuracy:
0.9315 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9291 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
0.9296 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:
422/750 [=====>.....] - ETA: 0s - loss: 0.3619 - accuracy:

0.9277 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.3679 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.3674 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
638/750 [=====>.....] - ETA: 0s - loss: 0.3671 - accuracy:
0.9267 [=====>.....] - ETA: 0s - loss: 0.3670 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.3670 - accuracy:
0.9265 [=====>..] - ETA: 0s - loss: 0.3670 - accuracy:
750/750 [=====] - 1s 857us/step - loss: 0.3656 - accuracy:
0.9271 - val_loss: 0.5036 - val_accuracy: 0.8842
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.3171 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3171 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3670 - accuracy:
0.9242 [=>.....] - ETA: 0s - loss: 0.3670 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9296 [====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3595 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3595 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
0.9283 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3656 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
0.9280 [=====>.....] - ETA: 0s - loss: 0.3650 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:
0.9287 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9281 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.3647 - accuracy:
0.9276 [=====>....] - ETA: 0s - loss: 0.3647 - accuracy:
727/750 [=====>.] - ETA: 0s - loss: 0.3654 - accuracy:
0.9268 [=====>.] - ETA: 0s - loss: 0.3654 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.3655 - accuracy:
0.9269 - val_loss: 0.4988 - val_accuracy: 0.8832
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.2988 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.2988 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3622 - accuracy:
0.9225 [=>.....] - ETA: 0s - loss: 0.3622 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
0.9228 [====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy:
0.9226 [=====>.....] - ETA: 0s - loss: 0.3652 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
0.9241 [=====>.....] - ETA: 0s - loss: 0.3644 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3640 - accuracy:

0.9253 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.3660 - accuracy:
0.9242 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy:
503/750 [=====>.....] - ETA: 0s - loss: 0.3643 - accuracy:
0.9248 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
0.9254 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.3641 - accuracy:
0.9255 [=====>.....] - ETA: 0s - loss: 0.3645 - accuracy:
723/750 [=====>..] - ETA: 0s - loss: 0.3645 - accuracy:
0.9259 [=====>..] - ETA: 0s - loss: 0.3657 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.3657 - accuracy:
0.9256 - val_loss: 0.5114 - val_accuracy: 0.8841
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.2743 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3556 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3556 - accuracy:
0.9277 [=>.....] - ETA: 0s - loss: 0.3501 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.3501 - accuracy:
0.9317 [====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3564 - accuracy:
0.9293 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.3599 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy:
0.9280 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3597 - accuracy:
0.9296 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.3608 - accuracy:
0.9289 [=====>.....] - ETA: 0s - loss: 0.3626 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.3626 - accuracy:
0.9279 [=====>....] - ETA: 0s - loss: 0.3630 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.3630 - accuracy:
0.9278 [=====>.] - ETA: 0s - loss: 0.3632 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3632 - accuracy:
0.9279 - val_loss: 0.4960 - val_accuracy: 0.8827
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.3035 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3588 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3588 - accuracy:
0.9316 [=>.....] - ETA: 0s - loss: 0.3585 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3585 - accuracy:
0.9304 [====>.....] - ETA: 0s - loss: 0.3590 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3590 - accuracy:
0.9297 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy:

0.9282 [=====>.....] - ETA: 0s - loss: 0.3606 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.3621 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3651 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3658 - accuracy:
0.9276 [=====>.....] - ETA: 0s - loss: 0.3651 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3637 - accuracy:
0.9263 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
0.9261 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
661/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
0.9262 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
731/750 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
0.9267 [=====>.....] - ETA: 0s - loss: 0.3634 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3634 - accuracy:
0.9269 - val_loss: 0.4969 - val_accuracy: 0.8834
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.3996 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3531 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9325 [==>.....] - ETA: 0s - loss: 0.3654 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.3645 - accuracy:
0.9276 [===>.....] - ETA: 0s - loss: 0.3643 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3628 - accuracy:
0.9260 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3629 - accuracy:
0.9253 [=====>.....] - ETA: 0s - loss: 0.3627 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3636 - accuracy:
0.9259 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9267 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9270 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
663/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9272 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
735/750 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
0.9264 [=====>.....] - ETA: 0s - loss: 0.3635 - accuracy:
750/750 [=====>.....] - 1s 833us/step - loss: 0.3635 - accuracy:
0.9266 - val_loss: 0.4915 - val_accuracy: 0.8868
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.3923 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3596 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9304 [==>.....] - ETA: 0s - loss: 0.3489 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9316 [===>.....] - ETA: 0s - loss: 0.3489 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:

0.9341 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.3514 - accuracy:
0.9330 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3577 - accuracy:
0.9304 [=====>.....] - ETA: 0s - loss: 0.3588 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3604 - accuracy:
0.9304 [=====>.....] - ETA: 0s - loss: 0.3610 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3614 - accuracy:
0.9294 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
0.9286 [=====>.....] - ETA: 0s - loss: 0.3612 - accuracy:
662/750 [=====>....] - ETA: 0s - loss: 0.3612 - accuracy:
0.9279 [=====>....] - ETA: 0s - loss: 0.3612 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.3612 - accuracy:
0.9279 [=====>.] - ETA: 0s - loss: 0.3612 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.3612 - accuracy:
0.9279 - val_loss: 0.4877 - val_accuracy: 0.8869
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.3672 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3532 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9347 [=>.....] - ETA: 0s - loss: 0.3565 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3510 - accuracy:
0.9315 [====>.....] - ETA: 0s - loss: 0.3562 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9330 [=====>.....] - ETA: 0s - loss: 0.3582 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9317 [=====>.....] - ETA: 0s - loss: 0.3582 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9311 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9301 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9298 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
0.9302 [=====>.....] - ETA: 0s - loss: 0.3591 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.3596 - accuracy:
0.9295 [=====>....] - ETA: 0s - loss: 0.3600 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.3606 - accuracy:
0.9290 [=====>.] - ETA: 0s - loss: 0.3606 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.3606 - accuracy:
0.9289 - val_loss: 0.4838 - val_accuracy: 0.8887
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.3122 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3508 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3570 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3570 - accuracy:

0.9284 [=====>.....] - ETA: 0s - loss: 0.3633 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3618 - accuracy:
0.9262 [=====>.....] - ETA: 0s - loss: 0.3606 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
0.9275 [=====>.....] - ETA: 0s - loss: 0.3611 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.3609 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3605 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.3598 - accuracy:
0.9295 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9284 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9285 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
652/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9282 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
725/750 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
0.9283 [=====>.....] - ETA: 0s - loss: 0.3600 - accuracy:
750/750 [=====] - 1s 853us/step - loss: 0.3600 - accuracy:
0.9284 - val_loss: 0.5021 - val_accuracy: 0.8827
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.4837 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3567 - accuracy:
66/750 [=>.....] - ETA: 0s - loss: 0.3576 - accuracy:
0.9299 [====>.....] - ETA: 0s - loss: 0.3563 - accuracy:
135/750 [====>.....] - ETA: 0s - loss: 0.3613 - accuracy:
0.9312 [====>.....] - ETA: 0s - loss: 0.3595 - accuracy:
207/750 [====>.....] - ETA: 0s - loss: 0.3593 - accuracy:
0.9309 [====>.....] - ETA: 0s - loss: 0.3582 - accuracy:
279/750 [====>.....] - ETA: 0s - loss: 0.3589 - accuracy:
0.9287 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
353/750 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9286 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
425/750 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9281 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
494/750 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9279 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
569/750 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9280 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
642/750 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9286 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
716/750 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
0.9285 [====>.....] - ETA: 0s - loss: 0.3578 - accuracy:
750/750 [=====] - 1s 858us/step - loss: 0.3578 - accuracy:
0.9289 - val_loss: 0.5029 - val_accuracy: 0.8854
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.2708 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3652 - accuracy:

0.9240 [=====>.....] - ETA: 0s - loss: 0.3570 - accuracy: 0.9294
219/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy: 0.9289
291/750 [=====>.....] - ETA: 0s - loss: 0.3584 - accuracy: 0.9291
364/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy: 0.9297
437/750 [=====>.....] - ETA: 0s - loss: 0.3569 - accuracy: 0.9293
508/750 [=====>.....] - ETA: 0s - loss: 0.3561 - accuracy: 0.9290
580/750 [=====>.....] - ETA: 0s - loss: 0.3589 - accuracy: 0.9276
652/750 [=====>....] - ETA: 0s - loss: 0.3580 - accuracy: 0.9284
725/750 [=====>.] - ETA: 0s - loss: 0.3581 - accuracy: 0.9289
750/750 [=====] - 1s 845us/step - loss: 0.3579 - accuracy: 0.9291 - val_loss: 0.4970 - val_accuracy: 0.8848
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.3556 - accuracy: 0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9375
147/750 [====>.....] - ETA: 0s - loss: 0.3484 - accuracy: 0.9312
219/750 [=====>.....] - ETA: 0s - loss: 0.3557 - accuracy: 0.9306
289/750 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy: 0.9306
363/750 [=====>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9314
436/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.9301
509/750 [=====>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9301
583/750 [=====>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.9295
658/750 [=====>....] - ETA: 0s - loss: 0.3569 - accuracy: 0.9284
732/750 [=====>.] - ETA: 0s - loss: 0.3575 - accuracy: 0.9283
750/750 [=====] - 1s 834us/step - loss: 0.3571 - accuracy: 0.9284 - val_loss: 0.4925 - val_accuracy: 0.8865
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.2952 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.3470 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9339 [.....] - ETA: 0s - loss: 0.3417 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9354 [.....] - ETA: 0s - loss: 0.3459 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3459 - accuracy:
0.9342 [.....] - ETA: 0s - loss: 0.3503 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9325 [.....] - ETA: 0s - loss: 0.3525 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
0.9318 [.....] - ETA: 0s - loss: 0.3531 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3531 - accuracy:
0.9310 [.....] - ETA: 0s - loss: 0.3520 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3520 - accuracy:
0.9311 [.....] - ETA: 0s - loss: 0.3532 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.3532 - accuracy:
0.9306 [.....] - ETA: 0s - loss: 0.3533 - accuracy:
663/750 [=====>....] - ETA: 0s - loss: 0.3533 - accuracy:
0.9306 [.....] - ETA: 0s - loss: 0.3589 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.3589 - accuracy:
0.9284 [.....] - 1s 833us/step - loss: 0.3590 - accuracy:
750/750 [=====>] - 1s 833us/step - loss: 0.3590 - accuracy:
0.9285 - val_loss: 0.4860 - val_accuracy: 0.8887
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.2306 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3504 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3504 - accuracy:
0.9334 [.....] - ETA: 0s - loss: 0.3541 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.3541 - accuracy:
0.9324 [.....] - ETA: 0s - loss: 0.3538 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3538 - accuracy:
0.9306 [.....] - ETA: 0s - loss: 0.3511 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9311 [.....] - ETA: 0s - loss: 0.3523 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3523 - accuracy:
0.9304 [.....] - ETA: 0s - loss: 0.3535 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3535 - accuracy:
0.9300 [.....] - ETA: 0s - loss: 0.3559 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.3559 - accuracy:
0.9297 [.....] - ETA: 0s - loss: 0.3574 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9292 [.....] - ETA: 0s - loss: 0.3574 - accuracy:
657/750 [=====>....] - ETA: 0s - loss: 0.3574 - accuracy:
0.9296 [.....] - ETA: 0s - loss: 0.3569 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.3569 - accuracy:
0.9293 [.....] - 1s 836us/step - loss: 0.3569 - accuracy:
750/750 [=====>] - 1s 836us/step - loss: 0.3569 - accuracy:
0.9291 - val_loss: 0.4913 - val_accuracy: 0.8883
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.2795 - accuracy: 0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.3415 - accuracy: 0.9371
148/750 [====>.....] - ETA: 0s - loss: 0.3470 - accuracy: 0.9357
221/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.9339
292/750 [======>.....] - ETA: 0s - loss: 0.3473 - accuracy: 0.9341
366/750 [======>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.9322
439/750 [======>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.9307
511/750 [======>.....] - ETA: 0s - loss: 0.3540 - accuracy: 0.9301
586/750 [======>.....] - ETA: 0s - loss: 0.3547 - accuracy: 0.9298
659/750 [======>....] - ETA: 0s - loss: 0.3553 - accuracy: 0.9296
732/750 [======>.] - ETA: 0s - loss: 0.3552 - accuracy: 0.9294
750/750 [=====] - 1s 837us/step - loss: 0.3553 - accuracy: 0.9295 - val_loss: 0.4991 - val_accuracy: 0.8863
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.2352 - accuracy: 1.0000
77/750 [=>.....] - ETA: 0s - loss: 0.3300 - accuracy: 0.9373
150/750 [====>.....] - ETA: 0s - loss: 0.3424 - accuracy: 0.9306
223/750 [=====>.....] - ETA: 0s - loss: 0.3465 - accuracy: 0.9303
297/750 [======>.....] - ETA: 0s - loss: 0.3496 - accuracy: 0.9297
371/750 [======>.....] - ETA: 0s - loss: 0.3493 - accuracy: 0.9296
443/750 [======>.....] - ETA: 0s - loss: 0.3521 - accuracy: 0.9292
517/750 [======>.....] - ETA: 0s - loss: 0.3522 - accuracy: 0.9293
590/750 [======>.....] - ETA: 0s - loss: 0.3541 - accuracy: 0.9283
665/750 [======>....] - ETA: 0s - loss: 0.3533 - accuracy: 0.9294
738/750 [======>.] - ETA: 0s - loss: 0.3544 - accuracy: 0.9288
750/750 [=====] - 1s 834us/step - loss: 0.3547 - accuracy:

0.9287 - val_loss: 0.5050 - val_accuracy: 0.8811
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.4144 - accuracy:
0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9344
146/750 [====>.....] - ETA: 0s - loss: 0.3568 - accuracy:
0.9296
217/750 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy:
0.9305
291/750 [======>.....] - ETA: 0s - loss: 0.3485 - accuracy:
0.9326
366/750 [======>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9327
438/750 [======>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9326
512/750 [======>.....] - ETA: 0s - loss: 0.3513 - accuracy:
0.9319
586/750 [======>.....] - ETA: 0s - loss: 0.3495 - accuracy:
0.9322
658/750 [======>....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9322
733/750 [======>.] - ETA: 0s - loss: 0.3506 - accuracy:
0.9317
750/750 [=====] - 1s 836us/step - loss: 0.3523 - accuracy:
0.9311 - val_loss: 0.5011 - val_accuracy: 0.8876
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.3274 - accuracy:
0.9531
72/750 [=>.....] - ETA: 0s - loss: 0.3530 - accuracy:
0.9303
146/750 [====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9319
221/750 [=====>.....] - ETA: 0s - loss: 0.3453 - accuracy:
0.9325
294/750 [======>.....] - ETA: 0s - loss: 0.3548 - accuracy:
0.9294
368/750 [======>.....] - ETA: 0s - loss: 0.3545 - accuracy:
0.9299
442/750 [======>.....] - ETA: 0s - loss: 0.3519 - accuracy:
0.9301
511/750 [======>.....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9293
585/750 [======>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9298
659/750 [======>....] - ETA: 0s - loss: 0.3521 - accuracy:
0.9297
732/750 [======>.] - ETA: 0s - loss: 0.3529 - accuracy:

0.9296
750/750 [=====] - 1s 836us/step - loss: 0.3523 - accuracy:
0.9299 - val_loss: 0.5102 - val_accuracy: 0.8844
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.4820 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9273
150/750 [====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9332
222/750 [=====>.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9330
295/750 [=====>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9326
367/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy:
0.9319
439/750 [=====>.....] - ETA: 0s - loss: 0.3462 - accuracy:
0.9321
515/750 [=====>.....] - ETA: 0s - loss: 0.3476 - accuracy:
0.9315
585/750 [=====>.....] - ETA: 0s - loss: 0.3500 - accuracy:
0.9307
659/750 [=====>....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9314
735/750 [=====>.] - ETA: 0s - loss: 0.3506 - accuracy:
0.9308
750/750 [=====] - 1s 834us/step - loss: 0.3508 - accuracy:
0.9308 - val_loss: 0.5174 - val_accuracy: 0.8778
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.3132 - accuracy:
0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.3463 - accuracy:
0.9324
145/750 [====>.....] - ETA: 0s - loss: 0.3484 - accuracy:
0.9322
219/750 [=====>.....] - ETA: 0s - loss: 0.3513 - accuracy:
0.9310
293/750 [=====>.....] - ETA: 0s - loss: 0.3525 - accuracy:
0.9304
365/750 [=====>.....] - ETA: 0s - loss: 0.3511 - accuracy:
0.9308
439/750 [=====>.....] - ETA: 0s - loss: 0.3503 - accuracy:
0.9310
510/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9322
584/750 [=====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9317
659/750 [=====>....] - ETA: 0s - loss: 0.3495 - accuracy:

0.9320 [=====] - ETA: 0s - loss: 0.3499 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.3499 - accuracy:
0.9317 [=====] - ETA: 0s - loss: 0.3499 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.3502 - accuracy:
0.9315 - val_loss: 0.5032 - val_accuracy: 0.8852
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.3946 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3946 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9340 [.....] - ETA: 0s - loss: 0.3448 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3439 - accuracy:
0.9341 [.....] - ETA: 0s - loss: 0.3439 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3463 - accuracy:
0.9348 [.....] - ETA: 0s - loss: 0.3463 - accuracy:
290/750 [======>.....] - ETA: 0s - loss: 0.3449 - accuracy:
0.9342 [.....] - ETA: 0s - loss: 0.3449 - accuracy:
362/750 [======>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9328 [.....] - ETA: 0s - loss: 0.3460 - accuracy:
435/750 [======>.....] - ETA: 0s - loss: 0.3443 - accuracy:
0.9329 [.....] - ETA: 0s - loss: 0.3443 - accuracy:
510/750 [======>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9321 [.....] - ETA: 0s - loss: 0.3468 - accuracy:
584/750 [======>.....] - ETA: 0s - loss: 0.3497 - accuracy:
0.9315 [.....] - ETA: 0s - loss: 0.3497 - accuracy:
656/750 [======>....] - ETA: 0s - loss: 0.3490 - accuracy:
0.9315 [.....] - ETA: 0s - loss: 0.3490 - accuracy:
730/750 [======>.] - ETA: 0s - loss: 0.3500 - accuracy:
0.9313 [.....] - ETA: 0s - loss: 0.3500 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.3505 - accuracy:
0.9311 - val_loss: 0.5244 - val_accuracy: 0.8797
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.2209 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.2209 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9394 [.....] - ETA: 0s - loss: 0.3342 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9351 [.....] - ETA: 0s - loss: 0.3432 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9347 [.....] - ETA: 0s - loss: 0.3410 - accuracy:
293/750 [======>.....] - ETA: 0s - loss: 0.3411 - accuracy:
0.9344 [.....] - ETA: 0s - loss: 0.3411 - accuracy:
368/750 [======>.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9342 [.....] - ETA: 0s - loss: 0.3421 - accuracy:
440/750 [======>.....] - ETA: 0s - loss: 0.3434 - accuracy:
0.9345 [.....] - ETA: 0s - loss: 0.3434 - accuracy:
514/750 [======>.....] - ETA: 0s - loss: 0.3463 - accuracy:
0.9334 [.....] - ETA: 0s - loss: 0.3463 - accuracy:
588/750 [======>.....] - ETA: 0s - loss: 0.3466 - accuracy:

0.9333 [=====] - ETA: 0s - loss: 0.3477 - accuracy: 0.9329
661/750 [=====>....] - ETA: 0s - loss: 0.3477 - accuracy: 0.9329
732/750 [=====>.] - ETA: 0s - loss: 0.3477 - accuracy: 0.9327
750/750 [=====] - 1s 836us/step - loss: 0.3479 - accuracy: 0.9327 - val_loss: 0.5386 - val_accuracy: 0.8694
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.3269 - accuracy: 0.9375
74/750 [=>.....] - ETA: 0s - loss: 0.3434 - accuracy: 0.9375
147/750 [====>.....] - ETA: 0s - loss: 0.3414 - accuracy: 0.9372
221/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy: 0.9379
294/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy: 0.9373
366/750 [=====>.....] - ETA: 0s - loss: 0.3455 - accuracy: 0.9349
439/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy: 0.9344
511/750 [=====>.....] - ETA: 0s - loss: 0.3488 - accuracy: 0.9335
584/750 [=====>.....] - ETA: 0s - loss: 0.3498 - accuracy: 0.9330
660/750 [=====>....] - ETA: 0s - loss: 0.3503 - accuracy: 0.9320
732/750 [=====>.] - ETA: 0s - loss: 0.3510 - accuracy: 0.9314
750/750 [=====] - 1s 837us/step - loss: 0.3507 - accuracy: 0.9315 - val_loss: 0.5012 - val_accuracy: 0.8831
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.2953 - accuracy: 0.9688
75/750 [=>.....] - ETA: 0s - loss: 0.3404 - accuracy: 0.9350
145/750 [====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9365
216/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy: 0.9366
289/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy: 0.9366
360/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy: 0.9352
432/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9337
504/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy: 0.9337

0.9336 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3460 - accuracy:
650/750 [=====>....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9334 [=====>..] - ETA: 0s - loss: 0.3472 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 0.3472 - accuracy:
0.9329 [=====] - 1s 845us/step - loss: 0.3469 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.3469 - accuracy:
0.9329 - val_loss: 0.5221 - val_accuracy: 0.8773
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.4437 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.3517 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3517 - accuracy:
0.9330 [===>.....] - ETA: 0s - loss: 0.3515 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.3515 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3533 - accuracy:
0.9324 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.3524 - accuracy:
0.9320 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
0.9332 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.3481 - accuracy:
0.9336 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.3486 - accuracy:
0.9327 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.3477 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3494 - accuracy:
665/750 [=====>....] - ETA: 0s - loss: 0.3494 - accuracy:
0.9325 [=====>..] - ETA: 0s - loss: 0.3490 - accuracy:
737/750 [=====>..] - ETA: 0s - loss: 0.3490 - accuracy:
0.9326 [=====>..] - ETA: 0s - loss: 0.3490 - accuracy:
750/750 [=====>..] - 1s 836us/step - loss: 0.3490 - accuracy:
0.9325 - val_loss: 0.5027 - val_accuracy: 0.8872
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.3928 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3243 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9406 [===>.....] - ETA: 0s - loss: 0.3409 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9370 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3427 - accuracy:
0.9354 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9347 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9354 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.3478 - accuracy:

0.9338 [=====>.....] - ETA: 0s - loss: 0.3487 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9331 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.3471 - accuracy:
0.9337 [=====>.....] - ETA: 0s - loss: 0.3479 - accuracy:
662/750 [=====>....] - ETA: 0s - loss: 0.3479 - accuracy:
0.9334 [=====>....] - ETA: 0s - loss: 0.3471 - accuracy:
734/750 [=====>.] - ETA: 0s - loss: 0.3471 - accuracy:
0.9335 [=====>.] - ETA: 0s - loss: 0.3468 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3468 - accuracy:
0.9334 - val_loss: 0.5703 - val_accuracy: 0.8652
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.2645 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3406 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9360 [=>.....] - ETA: 0s - loss: 0.3515 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3470 - accuracy:
0.9316 [====>.....] - ETA: 0s - loss: 0.3482 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9334 [=====>.....] - ETA: 0s - loss: 0.3475 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
0.9332 [=====>.....] - ETA: 0s - loss: 0.3485 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9332 [=====>.....] - ETA: 0s - loss: 0.3468 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3483 - accuracy:
0.9332 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9322 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9329 [=====>.....] - ETA: 0s - loss: 0.3489 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.3489 - accuracy:
0.9328 [=====>....] - ETA: 0s - loss: 0.3489 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.3489 - accuracy:
0.9322 [=====>.] - ETA: 0s - loss: 0.3489 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3489 - accuracy:
0.9319 - val_loss: 0.5084 - val_accuracy: 0.8827
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.2708 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3349 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9362 [==>.....] - ETA: 0s - loss: 0.3396 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3396 - accuracy:
0.9365 [====>.....] - ETA: 0s - loss: 0.3398 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3400 - accuracy:
0.9354 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy:

0.9344 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9355 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.3407 - accuracy:
0.9356 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
663/750 [=====>.....] - ETA: 0s - loss: 0.3426 - accuracy:
0.9346 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
737/750 [=====>.....] - ETA: 0s - loss: 0.3433 - accuracy:
0.9345 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.3436 - accuracy:
0.9343 - val_loss: 0.4922 - val_accuracy: 0.8890
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.3765 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.3400 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3400 - accuracy:
0.9356 [==>.....] - ETA: 0s - loss: 0.3367 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9370 [===>.....] - ETA: 0s - loss: 0.3349 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9340 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3419 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3436 - accuracy:
0.9334 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9336 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
660/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9338 [=====>.....] - ETA: 0s - loss: 0.3440 - accuracy:
732/750 [=====>.....] - ETA: 0s - loss: 0.3440 - accuracy:
0.9332 [=====>.....] - ETA: 0s - loss: 0.3439 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3439 - accuracy:
0.9332 - val_loss: 0.4892 - val_accuracy: 0.8890
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.3640 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3425 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3425 - accuracy:
0.9379 [==>.....] - ETA: 0s - loss: 0.3415 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9374 [===>.....] - ETA: 0s - loss: 0.3429 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy:
0.9367 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3474 - accuracy:

0.9339 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3456 - accuracy:
0.9339 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.3451 - accuracy:
0.9342 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.3438 - accuracy:
0.9347 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
664/750 [=====>.....] - ETA: 0s - loss: 0.3450 - accuracy:
0.9335 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
735/750 [=====>.....] - ETA: 0s - loss: 0.3445 - accuracy:
0.9339 [=====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.3444 - accuracy:
0.9339 - val_loss: 0.5062 - val_accuracy: 0.8849
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3325 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9399 [====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
0.9384 [====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
219/750 [====>.....] - ETA: 0s - loss: 0.3405 - accuracy:
0.9367 [====>.....] - ETA: 0s - loss: 0.3387 - accuracy:
293/750 [====>.....] - ETA: 0s - loss: 0.3387 - accuracy:
0.9369 [====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
366/750 [====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9374 [====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
438/750 [====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9373 [====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
511/750 [====>.....] - ETA: 0s - loss: 0.3420 - accuracy:
0.9357 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
584/750 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
0.9353 [====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
657/750 [====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9355 [====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
729/750 [====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9349 [====>.....] - ETA: 0s - loss: 0.3423 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3423 - accuracy:
0.9351 - val_loss: 0.5020 - val_accuracy: 0.8844
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3460 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3460 - accuracy:
0.9318 [====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9310 [====>.....] - ETA: 0s - loss: 0.3444 - accuracy:
222/750 [====>.....] - ETA: 0s - loss: 0.3444 - accuracy:

0.9324 [.....] - ETA: 0s - loss: 0.3422 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy:
0.9336 [.....] - ETA: 0s - loss: 0.3395 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9350 [.....] - ETA: 0s - loss: 0.3409 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3409 - accuracy:
0.9340 [.....] - ETA: 0s - loss: 0.3413 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3413 - accuracy:
0.9343 [.....] - ETA: 0s - loss: 0.3412 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.3412 - accuracy:
0.9347 [.....] - ETA: 0s - loss: 0.3401 - accuracy:
662/750 [=====>....] - ETA: 0s - loss: 0.3401 - accuracy:
0.9352 [.....] - ETA: 0s - loss: 0.3417 - accuracy:
734/750 [=====>.] - ETA: 0s - loss: 0.3417 - accuracy:
0.9343 [.....] - ETA: 0s - loss: 0.3417 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3417 - accuracy:
0.9341 - val_loss: 0.5154 - val_accuracy: 0.8819
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3502 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3502 - accuracy:
0.9323 [.....] - ETA: 0s - loss: 0.3418 - accuracy:
146/750 [===>.....] - ETA: 0s - loss: 0.3418 - accuracy:
0.9351 [.....] - ETA: 0s - loss: 0.3376 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9359 [.....] - ETA: 0s - loss: 0.3352 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9371 [.....] - ETA: 0s - loss: 0.3378 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.3378 - accuracy:
0.9351 [.....] - ETA: 0s - loss: 0.3379 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9359 [.....] - ETA: 0s - loss: 0.3392 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy:
0.9353 [.....] - ETA: 0s - loss: 0.3411 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3411 - accuracy:
0.9348 [.....] - ETA: 0s - loss: 0.3446 - accuracy:
663/750 [=====>....] - ETA: 0s - loss: 0.3446 - accuracy:
0.9334 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
734/750 [=====>.] - ETA: 0s - loss: 0.3442 - accuracy:
0.9333 [.....] - ETA: 0s - loss: 0.3442 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3442 - accuracy:
0.9333 - val_loss: 0.5023 - val_accuracy: 0.8862
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.3739 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.3469 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3469 - accuracy:
0.9315 [.....] - ETA: 0s - loss: 0.3461 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.3461 - accuracy:

0.9318 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3415 - accuracy:
0.9344 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3429 - accuracy:
0.9330 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3434 - accuracy:
0.9334 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9336 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9336 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.3428 - accuracy:
0.9337 [=====>....] - ETA: 0s - loss: 0.3432 - accuracy:
659/750 [=====>....] - ETA: 0s - loss: 0.3432 - accuracy:
0.9338 [=====>.] - ETA: 0s - loss: 0.3419 - accuracy:
734/750 [=====>.] - ETA: 0s - loss: 0.3419 - accuracy:
0.9343 [=====] - 1s 837us/step - loss: 0.3418 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3418 - accuracy:
0.9346 - val_loss: 0.5165 - val_accuracy: 0.8854
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.3795 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.3399 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.3399 - accuracy:
0.9307 [==>.....] - ETA: 0s - loss: 0.3379 - accuracy:
149/750 [==>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.3374 - accuracy:
0.9357 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9350 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3385 - accuracy:
0.9348 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9356 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
0.9348 [=====>....] - ETA: 0s - loss: 0.3394 - accuracy:
661/750 [=====>....] - ETA: 0s - loss: 0.3394 - accuracy:
0.9347 [=====>.] - ETA: 0s - loss: 0.3413 - accuracy:
735/750 [=====>.] - ETA: 0s - loss: 0.3413 - accuracy:
0.9344 [=====>.] - 1s 834us/step - loss: 0.3421 - accuracy:
750/750 [=====>.] - 1s 834us/step - loss: 0.3421 - accuracy:
0.9342 - val_loss: 0.4971 - val_accuracy: 0.8873
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.2869 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3306 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3306 - accuracy:

0.9429 [=====>.....] - ETA: 0s - loss: 0.3263 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3263 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9400 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9398 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.3303 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9362 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9353 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.3380 - accuracy:
0.9354 [=====>.....] - ETA: 0s - loss: 0.3404 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.3404 - accuracy:
0.9346 [=====>....] - ETA: 0s - loss: 0.3411 - accuracy:
731/750 [=====>.] - ETA: 0s - loss: 0.3411 - accuracy:
0.9347 [=====>.] - ETA: 0s - loss: 0.3415 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.3415 - accuracy:
0.9346 - val_loss: 0.5089 - val_accuracy: 0.8827
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.2946 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3468 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3468 - accuracy:
0.9358 [==>.....] - ETA: 0s - loss: 0.3448 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3448 - accuracy:
0.9348 [====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3410 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3384 - accuracy:
0.9355 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9364 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy:
0.9356 [=====>.....] - ETA: 0s - loss: 0.3406 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.3406 - accuracy:
0.9346 [=====>....] - ETA: 0s - loss: 0.3420 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.3420 - accuracy:
0.9341 [=====>.] - ETA: 0s - loss: 0.3421 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3421 - accuracy:
0.9340 - val_loss: 0.5083 - val_accuracy: 0.8821
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.3351 - accuracy:

0.9062 [.....] - ETA: 0s - loss: 0.3200 - accuracy: 0.9449
72/750 [=>.....] - ETA: 0s - loss: 0.3200 - accuracy: 0.9449
147/750 [====>.....] - ETA: 0s - loss: 0.3263 - accuracy: 0.9425
219/750 [=====>.....] - ETA: 0s - loss: 0.3317 - accuracy: 0.9394
293/750 [=====>.....] - ETA: 0s - loss: 0.3348 - accuracy: 0.9376
366/750 [=====>.....] - ETA: 0s - loss: 0.3372 - accuracy: 0.9364
440/750 [=====>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9364
516/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy: 0.9362
589/750 [=====>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.9349
661/750 [=====>....] - ETA: 0s - loss: 0.3395 - accuracy: 0.9348
735/750 [=====>.] - ETA: 0s - loss: 0.3398 - accuracy: 0.9350
750/750 [=====] - 1s 837us/step - loss: 0.3399 - accuracy: 0.9351 - val_loss: 0.5019 - val_accuracy: 0.8857
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.2497 - accuracy: 0.9844
72/750 [=>.....] - ETA: 0s - loss: 0.3174 - accuracy: 0.9410
146/750 [====>.....] - ETA: 0s - loss: 0.3258 - accuracy: 0.9388
220/750 [=====>.....] - ETA: 0s - loss: 0.3290 - accuracy: 0.9379
292/750 [=====>.....] - ETA: 0s - loss: 0.3338 - accuracy: 0.9362
366/750 [=====>.....] - ETA: 0s - loss: 0.3376 - accuracy: 0.9351
439/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9360
512/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9357
587/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy: 0.9360
660/750 [=====>....] - ETA: 0s - loss: 0.3378 - accuracy: 0.9360
732/750 [=====>.] - ETA: 0s - loss: 0.3396 - accuracy: 0.9351
750/750 [=====] - 1s 836us/step - loss: 0.3395 - accuracy: 0.9351 - val_loss: 0.4980 - val_accuracy: 0.8859
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.2843 - accuracy: 0.9688
76/750 [==>.....] - ETA: 0s - loss: 0.3307 - accuracy: 0.9379
147/750 [====>.....] - ETA: 0s - loss: 0.3343 - accuracy: 0.9370
216/750 [=====>.....] - ETA: 0s - loss: 0.3368 - accuracy: 0.9361
288/750 [======>.....] - ETA: 0s - loss: 0.3369 - accuracy: 0.9360
362/750 [======>.....] - ETA: 0s - loss: 0.3371 - accuracy: 0.9356
435/750 [======>.....] - ETA: 0s - loss: 0.3363 - accuracy: 0.9365
511/750 [======>.....] - ETA: 0s - loss: 0.3347 - accuracy: 0.9369
584/750 [======>.....] - ETA: 0s - loss: 0.3357 - accuracy: 0.9368
658/750 [======>....] - ETA: 0s - loss: 0.3366 - accuracy: 0.9361
731/750 [======>.] - ETA: 0s - loss: 0.3364 - accuracy: 0.9364
750/750 [=====] - 1s 838us/step - loss: 0.3372 - accuracy: 0.9361 - val_loss: 0.5139 - val_accuracy: 0.8812
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.2761 - accuracy: 0.9688
72/750 [=>.....] - ETA: 0s - loss: 0.3308 - accuracy: 0.9436
145/750 [====>.....] - ETA: 0s - loss: 0.3405 - accuracy: 0.9359
219/750 [=====>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.9348
291/750 [======>.....] - ETA: 0s - loss: 0.3432 - accuracy: 0.9336
365/750 [======>.....] - ETA: 0s - loss: 0.3392 - accuracy: 0.9352
439/750 [======>.....] - ETA: 0s - loss: 0.3374 - accuracy: 0.9363
511/750 [======>.....] - ETA: 0s - loss: 0.3385 - accuracy: 0.9365
586/750 [======>.....] - ETA: 0s - loss: 0.3386 - accuracy: 0.9361
660/750 [======>....] - ETA: 0s - loss: 0.3395 - accuracy: 0.9352
732/750 [======>.] - ETA: 0s - loss: 0.3399 - accuracy: 0.9349
750/750 [=====] - 1s 840us/step - loss: 0.3399 - accuracy:

0.9349 - val_loss: 0.5180 - val_accuracy: 0.8801
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.2900 - accuracy:
0.9688
74/750 [=>.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9402
146/750 [====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9407
221/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9371
297/750 [======>.....] - ETA: 0s - loss: 0.3328 - accuracy:
0.9376
370/750 [======>.....] - ETA: 0s - loss: 0.3337 - accuracy:
0.9375
444/750 [======>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9376
519/750 [======>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9361
590/750 [======>.....] - ETA: 0s - loss: 0.3390 - accuracy:
0.9355
665/750 [======>....] - ETA: 0s - loss: 0.3386 - accuracy:
0.9358
739/750 [======>.] - ETA: 0s - loss: 0.3391 - accuracy:
0.9363
750/750 [=====] - 1s 834us/step - loss: 0.3391 - accuracy:
0.9363 - val_loss: 0.4993 - val_accuracy: 0.8856
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.2956 - accuracy:
0.9375
74/750 [=>.....] - ETA: 0s - loss: 0.3253 - accuracy:
0.9386
147/750 [====>.....] - ETA: 0s - loss: 0.3299 - accuracy:
0.9382
222/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9362
296/750 [======>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9365
371/750 [======>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9355
443/750 [======>.....] - ETA: 0s - loss: 0.3362 - accuracy:
0.9352
515/750 [======>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9355
589/750 [======>.....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9352
661/750 [======>....] - ETA: 0s - loss: 0.3382 - accuracy:
0.9356
733/750 [======>.] - ETA: 0s - loss: 0.3376 - accuracy:

0.9357
750/750 [=====] - 1s 837us/step - loss: 0.3368 - accuracy:
0.9359 - val_loss: 0.5120 - val_accuracy: 0.8815
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.2399 - accuracy:
0.9844
75/750 [==>.....] - ETA: 0s - loss: 0.3146 - accuracy:
0.9465
147/750 [===>.....] - ETA: 0s - loss: 0.3190 - accuracy:
0.9438
219/750 [=====>.....] - ETA: 0s - loss: 0.3258 - accuracy:
0.9429
294/750 [=====>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9402
366/750 [=====>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9393
439/750 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
0.9391
512/750 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9387
585/750 [=====>.....] - ETA: 0s - loss: 0.3346 - accuracy:
0.9373
660/750 [=====>....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9367
732/750 [=====>.] - ETA: 0s - loss: 0.3368 - accuracy:
0.9367
750/750 [=====] - 1s 834us/step - loss: 0.3381 - accuracy:
0.9364 - val_loss: 0.5160 - val_accuracy: 0.8816
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.3328 - accuracy:
0.9531
72/750 [=>.....] - ETA: 0s - loss: 0.3272 - accuracy:
0.9403
145/750 [===>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9384
216/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9394
291/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:
0.9384
366/750 [=====>.....] - ETA: 0s - loss: 0.3296 - accuracy:
0.9384
437/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9364
511/750 [=====>.....] - ETA: 0s - loss: 0.3327 - accuracy:
0.9375
585/750 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9368
656/750 [=====>....] - ETA: 0s - loss: 0.3350 - accuracy:

0.9361 [=====>.] - ETA: 0s - loss: 0.3361 - accuracy:
0.9357 [=====] - 1s 838us/step - loss: 0.3356 - accuracy:
0.9359 - val_loss: 0.5077 - val_accuracy: 0.8888
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.3133 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3392 - accuracy:
0.9351 [====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3331 - accuracy:
0.9369 [=====>.....] - ETA: 0s - loss: 0.3342 - accuracy:
0.9371 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9376 [=====>.....] - ETA: 0s - loss: 0.3316 - accuracy:
0.9383 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:
0.9362 [=====>....] - ETA: 0s - loss: 0.3367 - accuracy:
0.9360 [=====>.] - ETA: 0s - loss: 0.3360 - accuracy:
0.9364 [=====] - 1s 838us/step - loss: 0.3361 - accuracy:
0.9364 - val_loss: 0.5148 - val_accuracy: 0.8829
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.3417 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3402 - accuracy:
0.9386 [====>.....] - ETA: 0s - loss: 0.3323 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9406 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy:
0.9408 [=====>.....] - ETA: 0s - loss: 0.3329 - accuracy:
0.9395 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9383 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:

0.9380 [=====] - ETA: 0s - loss: 0.3333 - accuracy:
643/750 [=====>....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9384 [=====] - ETA: 0s - loss: 0.3336 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.3336 - accuracy:
0.9379 [=====] - ETA: 1s 848us/step - loss: 0.3348 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.3348 - accuracy:
0.9373 - val_loss: 0.5072 - val_accuracy: 0.8849
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.2969 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3423 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3475 - accuracy:
0.9336 [====>.....] - ETA: 0s - loss: 0.3395 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3389 - accuracy:
0.9355 [=====>.....] - ETA: 0s - loss: 0.3392 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3377 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3360 - accuracy:
0.9371 [=====>.....] - ETA: 0s - loss: 0.3363 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3373 - accuracy:
0.9358 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9367 [=====>....] - ETA: 0s - loss: 0.3379 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.3379 - accuracy:
0.9360 [=====>.] - ETA: 0s - loss: 0.3379 - accuracy:
731/750 [=====>.] - ETA: 0s - loss: 0.3379 - accuracy:
0.9357 [=====>.] - ETA: 0s - loss: 0.3379 - accuracy:
750/750 [=====>.] - 1s 838us/step - loss: 0.3379 - accuracy:
0.9355 - val_loss: 0.4998 - val_accuracy: 0.8863
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.2602 - accuracy:
0.9844 [.....] - ETA: 0s - loss: 0.3402 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3314 - accuracy:
0.9364 [====>.....] - ETA: 0s - loss: 0.3278 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9396 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9420 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9393 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:

0.9358 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.3362 - accuracy:
0.9372 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
662/750 [=====>.....] - ETA: 0s - loss: 0.3369 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
735/750 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
0.9366 [=====>.....] - ETA: 0s - loss: 0.3375 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.3376 - accuracy:
0.9366 - val_loss: 0.5021 - val_accuracy: 0.8864
Epoch 147/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3075 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
74/750 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9351 [=====>.....] - ETA: 0s - loss: 0.3330 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.3330 - accuracy:
0.9362 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy:
0.9368 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3350 - accuracy:
0.9359 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3357 - accuracy:
0.9360 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9363 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
662/750 [=====>.....] - ETA: 0s - loss: 0.3352 - accuracy:
0.9364 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
733/750 [=====>.....] - ETA: 0s - loss: 0.3354 - accuracy:
0.9361 [=====>.....] - ETA: 0s - loss: 0.3351 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.3351 - accuracy:
0.9363 - val_loss: 0.5199 - val_accuracy: 0.8829
Epoch 148/220

1/750 [=====>.....] - ETA: 0s - loss: 0.2893 - accuracy:
0.9844 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
74/750 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.3349 - accuracy:
0.9357 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9377 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9376 [=====>.....] - ETA: 0s - loss: 0.3339 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.3307 - accuracy:

0.9392 [=====>.....] - ETA: 0s - loss: 0.3298 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy:
0.9398 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy:
0.9399 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy:
654/750 [=====>....] - ETA: 0s - loss: 0.3304 - accuracy:
0.9392 [=====>....] - ETA: 0s - loss: 0.3304 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.3336 - accuracy:
0.9382 [=====>.] - ETA: 0s - loss: 0.3336 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.3344 - accuracy:
0.9379 - val_loss: 0.5292 - val_accuracy: 0.8748
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.2930 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.2930 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3246 - accuracy:
0.9400 [=>.....] - ETA: 0s - loss: 0.3246 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9398 [====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9404 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
0.9414 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9400 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy:
0.9389 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
0.9381 [=====>.....] - ETA: 0s - loss: 0.3335 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9383 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
665/750 [=====>....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9387 [=====>....] - ETA: 0s - loss: 0.3313 - accuracy:
739/750 [=====>.] - ETA: 0s - loss: 0.3329 - accuracy:
0.9380 [=====>.] - ETA: 0s - loss: 0.3329 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3326 - accuracy:
0.9383 - val_loss: 0.5000 - val_accuracy: 0.8874
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.3364 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3364 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3339 - accuracy:
0.9399 [=>.....] - ETA: 0s - loss: 0.3339 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3290 - accuracy:
0.9414 [====>.....] - ETA: 0s - loss: 0.3290 - accuracy:
208/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9420 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
275/750 [=====>.....] - ETA: 0s - loss: 0.3292 - accuracy:
0.9422 [=====>.....] - ETA: 0s - loss: 0.3292 - accuracy:
338/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy:

0.9411 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
408/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
477/750 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9396 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
548/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
0.9388 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.3308 - accuracy:
0.9385 [=====>...] - ETA: 0s - loss: 0.3313 - accuracy:
750/750 [=====] - 1s 879us/step - loss: 0.3313 - accuracy:
0.9381 - val_loss: 0.5076 - val_accuracy: 0.8842
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.2499 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3370 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3370 - accuracy:
0.9397 [=>.....] - ETA: 0s - loss: 0.3306 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9416 [====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.3282 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9426 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9400 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.3343 - accuracy:
0.9379 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.3340 - accuracy:
0.9378 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.3355 - accuracy:
0.9374 [=====>.....] - ETA: 0s - loss: 0.3358 - accuracy:
654/750 [=====>...] - ETA: 0s - loss: 0.3358 - accuracy:
0.9370 [=====>...] - ETA: 0s - loss: 0.3382 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.3382 - accuracy:
0.9365 [=====>.] - ETA: 0s - loss: 0.3384 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.3384 - accuracy:
0.9363 - val_loss: 0.5355 - val_accuracy: 0.8794
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.2629 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3243 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.3243 - accuracy:
0.9402 [=>.....] - ETA: 0s - loss: 0.3269 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3269 - accuracy:
0.9414 [====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9413 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.3302 - accuracy:

0.9402 [=====>.....] - ETA: 0s - loss: 0.3310 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3310 - accuracy:
0.9403 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.3306 - accuracy:
0.9403 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9401 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.3318 - accuracy:
0.9396 [=====>.....] - ETA: 0s - loss: 0.3333 - accuracy:
661/750 [=====>....] - ETA: 0s - loss: 0.3333 - accuracy:
0.9389 [=====>....] - ETA: 0s - loss: 0.3339 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.3339 - accuracy:
0.9385 [=====>.] - ETA: 0s - loss: 0.3333 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.3333 - accuracy:
0.9388 - val_loss: 0.5311 - val_accuracy: 0.8823
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.3122 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3280 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.3280 - accuracy:
0.9440 [=>.....] - ETA: 0s - loss: 0.3254 - accuracy:
140/750 [====>.....] - ETA: 0s - loss: 0.3254 - accuracy:
0.9419 [====>.....] - ETA: 0s - loss: 0.3217 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.3217 - accuracy:
0.9431 [=====>.....] - ETA: 0s - loss: 0.3228 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.3228 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3285 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.3285 - accuracy:
0.9396 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9399 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9389 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9387 [=====>....] - ETA: 0s - loss: 0.3327 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 0.3327 - accuracy:
0.9379 [=====>..] - ETA: 0s - loss: 0.3332 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.3332 - accuracy:
0.9377 - val_loss: 0.5361 - val_accuracy: 0.8734
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.2797 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3174 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3174 - accuracy:
0.9457 [=>.....] - ETA: 0s - loss: 0.3225 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3225 - accuracy:
0.9439 [====>.....] - ETA: 0s - loss: 0.3275 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3275 - accuracy:

0.9411 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
0.9406 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.3273 - accuracy:
0.9408 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3291 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3291 - accuracy:
0.9400 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.3311 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3315 - accuracy:
662/750 [=====>....] - ETA: 0s - loss: 0.3315 - accuracy:
0.9388 [=====>....] - ETA: 0s - loss: 0.3316 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.3316 - accuracy:
0.9383 [=====>.] - ETA: 0s - loss: 0.3312 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.3312 - accuracy:
0.9384 - val_loss: 0.5423 - val_accuracy: 0.8787
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.3828 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3312 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3312 - accuracy:
0.9369 [=>.....] - ETA: 0s - loss: 0.3215 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
0.9437 [====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
0.9423 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9420 [=====>.....] - ETA: 0s - loss: 0.3240 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3240 - accuracy:
0.9421 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.3270 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9397 [=====>.....] - ETA: 0s - loss: 0.3325 - accuracy:
657/750 [=====>....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9386 [=====>....] - ETA: 0s - loss: 0.3324 - accuracy:
732/750 [=====>.] - ETA: 0s - loss: 0.3324 - accuracy:
0.9383 [=====>.] - ETA: 0s - loss: 0.3332 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.3332 - accuracy:
0.9379 - val_loss: 0.5322 - val_accuracy: 0.8763
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.2987 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3163 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3163 - accuracy:
0.9472 [=>.....] - ETA: 0s - loss: 0.3256 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3256 - accuracy:

0.9428 [=====>.....] - ETA: 0s - loss: 0.3247 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.3247 - accuracy:
0.9421 [=====>.....] - ETA: 0s - loss: 0.3269 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.3269 - accuracy:
0.9403 [=====>.....] - ETA: 0s - loss: 0.3268 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.3268 - accuracy:
0.9405 [=====>.....] - ETA: 0s - loss: 0.3278 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.3278 - accuracy:
0.9400 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.3308 - accuracy:
0.9386 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.3313 - accuracy:
0.9383 [=====>....] - ETA: 0s - loss: 0.3325 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.3325 - accuracy:
0.9379 [=====>.] - ETA: 0s - loss: 0.3308 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.3308 - accuracy:
0.9389 [=====] - 1s 840us/step - loss: 0.3305 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.3305 - accuracy:
0.9390 - val_loss: 0.5311 - val_accuracy: 0.8804
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.3312 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.3253 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.3253 - accuracy:
0.9433 [===>.....] - ETA: 0s - loss: 0.3181 - accuracy:
146/750 [===>.....] - ETA: 0s - loss: 0.3181 - accuracy:
0.9461 [=====>.....] - ETA: 0s - loss: 0.3264 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3264 - accuracy:
0.9418 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9434 [=====>.....] - ETA: 0s - loss: 0.3221 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.3221 - accuracy:
0.9438 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
0.9421 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9415 [=====>....] - ETA: 0s - loss: 0.3305 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9402 [=====>.] - ETA: 0s - loss: 0.3298 - accuracy:
730/750 [=====>.] - ETA: 0s - loss: 0.3298 - accuracy:
0.9402 [=====>.] - 1s 834us/step - loss: 0.3293 - accuracy:
750/750 [=====>.] - 1s 834us/step - loss: 0.3293 - accuracy:
0.9401 - val_loss: 0.5129 - val_accuracy: 0.8847
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.3447 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.3053 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3053 - accuracy:

0.9480 [.....] - ETA: 0s - loss: 0.3263 - accuracy: 0.9404
221/750 [=====>.....] - ETA: 0s - loss: 0.3262 - accuracy: 0.9408
292/750 [=====>.....] - ETA: 0s - loss: 0.3268 - accuracy: 0.9418
366/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy: 0.9408
440/750 [=====>.....] - ETA: 0s - loss: 0.3269 - accuracy: 0.9421
512/750 [=====>.....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9407
588/750 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy: 0.9396
659/750 [=====>....] - ETA: 0s - loss: 0.3303 - accuracy: 0.9396
733/750 [=====>.] - ETA: 0s - loss: 0.3308 - accuracy: 0.9390
750/750 [=====>] - 1s 838us/step - loss: 0.3313 - accuracy: 0.9389 - val_loss: 0.5376 - val_accuracy: 0.8723
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.3747 - accuracy: 0.9531
71/750 [=>.....] - ETA: 0s - loss: 0.3290 - accuracy: 0.9408
144/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy: 0.9402
217/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy: 0.9407
293/750 [=====>.....] - ETA: 0s - loss: 0.3267 - accuracy: 0.9408
364/750 [=====>.....] - ETA: 0s - loss: 0.3286 - accuracy: 0.9400
438/750 [=====>.....] - ETA: 0s - loss: 0.3312 - accuracy: 0.9390
511/750 [=====>.....] - ETA: 0s - loss: 0.3301 - accuracy: 0.9398
584/750 [=====>.....] - ETA: 0s - loss: 0.3297 - accuracy: 0.9394
658/750 [=====>....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9389
732/750 [=====>.] - ETA: 0s - loss: 0.3317 - accuracy: 0.9383
750/750 [=====>] - 1s 836us/step - loss: 0.3323 - accuracy: 0.9379 - val_loss: 0.5238 - val_accuracy: 0.8827
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.4537 - accuracy:

0.8906 [.....] - ETA: 0s - loss: 0.3183 - accuracy: 0.9444
72/750 [= >.....] - ETA: 0s - loss: 0.3183 - accuracy: 0.9444
145/750 [====>.....] - ETA: 0s - loss: 0.3220 - accuracy: 0.9431
219/750 [===== >.....] - ETA: 0s - loss: 0.3252 - accuracy: 0.9421
292/750 [===== >.....] - ETA: 0s - loss: 0.3259 - accuracy: 0.9418
366/750 [===== >.....] - ETA: 0s - loss: 0.3244 - accuracy: 0.9429
437/750 [===== >.....] - ETA: 0s - loss: 0.3290 - accuracy: 0.9405
511/750 [===== >.....] - ETA: 0s - loss: 0.3297 - accuracy: 0.9401
582/750 [===== >.....] - ETA: 0s - loss: 0.3305 - accuracy: 0.9395
655/750 [===== >....] - ETA: 0s - loss: 0.3299 - accuracy: 0.9394
729/750 [===== >.] - ETA: 0s - loss: 0.3289 - accuracy: 0.9398
750/750 [=====] - 1s 842us/step - loss: 0.3289 - accuracy: 0.9397 - val_loss: 0.5458 - val_accuracy: 0.8722
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.2536 - accuracy: 0.9688
73/750 [= >.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.9351
147/750 [====>.....] - ETA: 0s - loss: 0.3324 - accuracy: 0.9377
222/750 [===== >.....] - ETA: 0s - loss: 0.3345 - accuracy: 0.9366
290/750 [===== >.....] - ETA: 0s - loss: 0.3308 - accuracy: 0.9387
361/750 [===== >.....] - ETA: 0s - loss: 0.3282 - accuracy: 0.9394
432/750 [===== >.....] - ETA: 0s - loss: 0.3250 - accuracy: 0.9405
504/750 [===== >.....] - ETA: 0s - loss: 0.3274 - accuracy: 0.9394
578/750 [===== >.....] - ETA: 0s - loss: 0.3281 - accuracy: 0.9389
650/750 [===== >....] - ETA: 0s - loss: 0.3295 - accuracy: 0.9383
723/750 [===== >..] - ETA: 0s - loss: 0.3301 - accuracy: 0.9387
750/750 [=====] - 1s 846us/step - loss: 0.3299 - accuracy: 0.9386 - val_loss: 0.5485 - val_accuracy: 0.8776
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.2932 - accuracy: 0.9375
73/750 [= >.....] - ETA: 0s - loss: 0.3199 - accuracy: 0.9420
144/750 [====>.....] - ETA: 0s - loss: 0.3253 - accuracy: 0.9401
216/750 [===== >.....] - ETA: 0s - loss: 0.3215 - accuracy: 0.9426
290/750 [===== >.....] - ETA: 0s - loss: 0.3237 - accuracy: 0.9411
363/750 [===== >.....] - ETA: 0s - loss: 0.3235 - accuracy: 0.9409
436/750 [===== >.....] - ETA: 0s - loss: 0.3286 - accuracy: 0.9396
508/750 [===== >.....] - ETA: 0s - loss: 0.3297 - accuracy: 0.9393
581/750 [===== >.....] - ETA: 0s - loss: 0.3313 - accuracy: 0.9385
655/750 [===== >....] - ETA: 0s - loss: 0.3311 - accuracy: 0.9386
728/750 [===== >.] - ETA: 0s - loss: 0.3312 - accuracy: 0.9386
750/750 [=====] - 1s 842us/step - loss: 0.3304 - accuracy: 0.9389 - val_loss: 0.5185 - val_accuracy: 0.8828
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.3364 - accuracy: 0.9375
71/750 [= >.....] - ETA: 0s - loss: 0.3169 - accuracy: 0.9456
144/750 [====>.....] - ETA: 0s - loss: 0.3192 - accuracy: 0.9454
216/750 [===== >.....] - ETA: 0s - loss: 0.3244 - accuracy: 0.9439
291/750 [===== >.....] - ETA: 0s - loss: 0.3224 - accuracy: 0.9444
365/750 [===== >.....] - ETA: 0s - loss: 0.3228 - accuracy: 0.9435
436/750 [===== >.....] - ETA: 0s - loss: 0.3245 - accuracy: 0.9437
510/750 [===== >.....] - ETA: 0s - loss: 0.3278 - accuracy: 0.9424
582/750 [===== >.....] - ETA: 0s - loss: 0.3274 - accuracy: 0.9426
652/750 [===== >....] - ETA: 0s - loss: 0.3293 - accuracy: 0.9417
727/750 [===== >.] - ETA: 0s - loss: 0.3288 - accuracy: 0.9416
750/750 [=====] - 1s 840us/step - loss: 0.3289 - accuracy:

0.9415 - val_loss: 0.5112 - val_accuracy: 0.8878
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.2701 - accuracy:
0.9531
75/750 [==>.....] - ETA: 0s - loss: 0.3144 - accuracy:
0.9477
147/750 [====>.....] - ETA: 0s - loss: 0.3129 - accuracy:
0.9472
221/750 [=====>.....] - ETA: 0s - loss: 0.3131 - accuracy:
0.9475
292/750 [======>.....] - ETA: 0s - loss: 0.3186 - accuracy:
0.9456
366/750 [======>.....] - ETA: 0s - loss: 0.3213 - accuracy:
0.9444
439/750 [======>.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9418
511/750 [======>.....] - ETA: 0s - loss: 0.3272 - accuracy:
0.9412
585/750 [======>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9415
656/750 [======>....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9412
729/750 [======>.] - ETA: 0s - loss: 0.3297 - accuracy:
0.9411
750/750 [=====] - 1s 841us/step - loss: 0.3301 - accuracy:
0.9410 - val_loss: 0.5043 - val_accuracy: 0.8864
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.2882 - accuracy:
0.9688
74/750 [=>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9457
147/750 [====>.....] - ETA: 0s - loss: 0.3155 - accuracy:
0.9465
221/750 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
0.9439
293/750 [======>.....] - ETA: 0s - loss: 0.3170 - accuracy:
0.9442
366/750 [======>.....] - ETA: 0s - loss: 0.3175 - accuracy:
0.9442
439/750 [======>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9429
513/750 [======>.....] - ETA: 0s - loss: 0.3218 - accuracy:
0.9426
586/750 [======>.....] - ETA: 0s - loss: 0.3248 - accuracy:
0.9411
659/750 [======>....] - ETA: 0s - loss: 0.3267 - accuracy:
0.9402
736/750 [======>.] - ETA: 0s - loss: 0.3272 - accuracy:

0.9403
750/750 [=====] - 1s 833us/step - loss: 0.3268 - accuracy:
0.9404 - val_loss: 0.5327 - val_accuracy: 0.8801
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.3345 - accuracy:
0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.3182 - accuracy:
0.9450
143/750 [====>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9378
216/750 [=====>.....] - ETA: 0s - loss: 0.3263 - accuracy:
0.9377
287/750 [======>.....] - ETA: 0s - loss: 0.3230 - accuracy:
0.9407
361/750 [======>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9391
434/750 [======>.....] - ETA: 0s - loss: 0.3268 - accuracy:
0.9395
507/750 [======>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9406
580/750 [======>.....] - ETA: 0s - loss: 0.3264 - accuracy:
0.9400
652/750 [======>....] - ETA: 0s - loss: 0.3288 - accuracy:
0.9396
724/750 [======>..] - ETA: 0s - loss: 0.3287 - accuracy:
0.9395
750/750 [=====] - 1s 842us/step - loss: 0.3289 - accuracy:
0.9394 - val_loss: 0.5293 - val_accuracy: 0.8777
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.3186 - accuracy:
0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.3140 - accuracy:
0.9471
145/750 [====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9415
219/750 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9408
292/750 [======>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9418
365/750 [======>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9413
435/750 [======>.....] - ETA: 0s - loss: 0.3219 - accuracy:
0.9427
511/750 [======>.....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9418
583/750 [======>.....] - ETA: 0s - loss: 0.3249 - accuracy:
0.9414
658/750 [======>....] - ETA: 0s - loss: 0.3263 - accuracy:

0.9410 [=====] - ETA: 0s - loss: 0.3271 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.3271 - accuracy:
0.9408 [=====] - ETA: 0s - loss: 0.3271 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.3275 - accuracy:
0.9408 - val_loss: 0.5140 - val_accuracy: 0.8838
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3233 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3180 - accuracy:
0.9459 [.....] - ETA: 0s - loss: 0.3180 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3268 - accuracy:
0.9414 [.....] - ETA: 0s - loss: 0.3268 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.3277 - accuracy:
0.9418 [.....] - ETA: 0s - loss: 0.3277 - accuracy:
295/750 [======>.....] - ETA: 0s - loss: 0.3280 - accuracy:
0.9417 [.....] - ETA: 0s - loss: 0.3280 - accuracy:
368/750 [======>.....] - ETA: 0s - loss: 0.3284 - accuracy:
0.9403 [.....] - ETA: 0s - loss: 0.3284 - accuracy:
439/750 [======>.....] - ETA: 0s - loss: 0.3312 - accuracy:
0.9394 [.....] - ETA: 0s - loss: 0.3312 - accuracy:
512/750 [======>.....] - ETA: 0s - loss: 0.3305 - accuracy:
0.9397 [.....] - ETA: 0s - loss: 0.3305 - accuracy:
584/750 [======>.....] - ETA: 0s - loss: 0.3295 - accuracy:
0.9403 [.....] - ETA: 0s - loss: 0.3295 - accuracy:
658/750 [======>....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9403 [.....] - ETA: 0s - loss: 0.3293 - accuracy:
730/750 [======>.] - ETA: 0s - loss: 0.3293 - accuracy:
0.9400 [.....] - ETA: 0s - loss: 0.3293 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.3289 - accuracy:
0.9402 - val_loss: 0.5533 - val_accuracy: 0.8715
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.2694 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.2694 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3175 - accuracy:
0.9456 [.....] - ETA: 0s - loss: 0.3175 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9448 [.....] - ETA: 0s - loss: 0.3193 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3201 - accuracy:
0.9433 [.....] - ETA: 0s - loss: 0.3201 - accuracy:
286/750 [======>.....] - ETA: 0s - loss: 0.3199 - accuracy:
0.9434 [.....] - ETA: 0s - loss: 0.3199 - accuracy:
358/750 [======>.....] - ETA: 0s - loss: 0.3202 - accuracy:
0.9434 [.....] - ETA: 0s - loss: 0.3202 - accuracy:
431/750 [======>.....] - ETA: 0s - loss: 0.3224 - accuracy:
0.9424 [.....] - ETA: 0s - loss: 0.3224 - accuracy:
504/750 [======>.....] - ETA: 0s - loss: 0.3238 - accuracy:
0.9418 [.....] - ETA: 0s - loss: 0.3238 - accuracy:
578/750 [======>.....] - ETA: 0s - loss: 0.3244 - accuracy:

0.9413 [=====] - ETA: 0s - loss: 0.3251 - accuracy: 0.9409
652/750 [=====>....] - ETA: 0s - loss: 0.3251 - accuracy: 0.9409
724/750 [=====>..] - ETA: 0s - loss: 0.3262 - accuracy: 0.9406
750/750 [=====] - 1s 844us/step - loss: 0.3265 - accuracy: 0.9407 - val_loss: 0.5399 - val_accuracy: 0.8800
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.3141 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.3224 - accuracy: 0.9399
147/750 [====>.....] - ETA: 0s - loss: 0.3175 - accuracy: 0.9424
220/750 [=====>.....] - ETA: 0s - loss: 0.3124 - accuracy: 0.9455
295/750 [=====>.....] - ETA: 0s - loss: 0.3138 - accuracy: 0.9451
369/750 [=====>.....] - ETA: 0s - loss: 0.3168 - accuracy: 0.9438
443/750 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy: 0.9423
517/750 [=====>.....] - ETA: 0s - loss: 0.3223 - accuracy: 0.9419
590/750 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy: 0.9412
664/750 [=====>....] - ETA: 0s - loss: 0.3251 - accuracy: 0.9407
739/750 [=====>.] - ETA: 0s - loss: 0.3260 - accuracy: 0.9399
750/750 [=====] - 1s 834us/step - loss: 0.3263 - accuracy: 0.9398 - val_loss: 0.5112 - val_accuracy: 0.8853
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.3009 - accuracy: 0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.3260 - accuracy: 0.9392
145/750 [====>.....] - ETA: 0s - loss: 0.3221 - accuracy: 0.9419
220/750 [=====>.....] - ETA: 0s - loss: 0.3218 - accuracy: 0.9417
293/750 [=====>.....] - ETA: 0s - loss: 0.3239 - accuracy: 0.9411
362/750 [=====>.....] - ETA: 0s - loss: 0.3289 - accuracy: 0.9400
424/750 [=====>.....] - ETA: 0s - loss: 0.3280 - accuracy: 0.9403
483/750 [=====>.....] - ETA: 0s - loss: 0.3290 - accuracy:

0.9399 [=====>.....] - ETA: 0s - loss: 0.3276 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.3276 - accuracy:
0.9406 [=====>.....] - ETA: 0s - loss: 0.3262 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.3262 - accuracy:
0.9412 [=====>.....] - ETA: 0s - loss: 0.3268 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.3268 - accuracy:
0.9410 [=====>....] - ETA: 0s - loss: 0.3270 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.3270 - accuracy:
0.9410 [=====>.] - ETA: 0s - loss: 0.3263 - accuracy:
750/750 [=====] - 1s 912us/step - loss: 0.3263 - accuracy:
0.9414 - val_loss: 0.5350 - val_accuracy: 0.8776
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.3126 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3199 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3199 - accuracy:
0.9461 [=>.....] - ETA: 0s - loss: 0.3319 - accuracy:
138/750 [====>.....] - ETA: 0s - loss: 0.3319 - accuracy:
0.9392 [====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3294 - accuracy:
0.9397 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
275/750 [=====>.....] - ETA: 0s - loss: 0.3279 - accuracy:
0.9407 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
344/750 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9416 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
408/750 [=====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9416 [=====>.....] - ETA: 0s - loss: 0.3254 - accuracy:
478/750 [=====>.....] - ETA: 0s - loss: 0.3254 - accuracy:
0.9419 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
547/750 [=====>.....] - ETA: 0s - loss: 0.3281 - accuracy:
0.9411 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.3261 - accuracy:
0.9416 [=====>.....] - ETA: 0s - loss: 0.3257 - accuracy:
685/750 [=====>...] - ETA: 0s - loss: 0.3257 - accuracy:
0.9418 [=====>...] - ETA: 0s - loss: 0.3268 - accuracy:
750/750 [=====>] - 1s 916us/step - loss: 0.3268 - accuracy:
0.9414 - val_loss: 0.5119 - val_accuracy: 0.8895
Epoch 173/220

1/750 [.....] - ETA: 1s - loss: 0.3528 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.2979 - accuracy:
48/750 [>.....] - ETA: 0s - loss: 0.2979 - accuracy:
0.9570 [>.....] - ETA: 0s - loss: 0.3118 - accuracy:
97/750 [==>.....] - ETA: 0s - loss: 0.3118 - accuracy:
0.9496 [==>.....] - ETA: 0s - loss: 0.3180 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.3180 - accuracy:
0.9460 [====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
206/750 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
0.9463 [=====>.....] - ETA: 0s - loss: 0.3178 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.3178 - accuracy:

0.9460 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
333/750 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9456 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
398/750 [=====>.....] - ETA: 0s - loss: 0.3221 - accuracy:
0.9452 [=====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
467/750 [=====>.....] - ETA: 0s - loss: 0.3245 - accuracy:
0.9448 [=====>.....] - ETA: 0s - loss: 0.3264 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9436 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9429 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
668/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9425 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
737/750 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
0.9417 [=====>.....] - ETA: 0s - loss: 0.3266 - accuracy:
750/750 [=====] - 1s 988us/step - loss: 0.3266 - accuracy:
0.9418 - val_loss: 0.5289 - val_accuracy: 0.8786
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.2677 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3127 - accuracy:
65/750 [=>.....] - ETA: 0s - loss: 0.3138 - accuracy:
0.9476 [=====>.....] - ETA: 0s - loss: 0.3144 - accuracy:
131/750 [=====>.....] - ETA: 0s - loss: 0.3167 - accuracy:
0.9481 [=====>.....] - ETA: 0s - loss: 0.3186 - accuracy:
202/750 [=====>.....] - ETA: 0s - loss: 0.3224 - accuracy:
0.9469 [=====>.....] - ETA: 0s - loss: 0.3228 - accuracy:
272/750 [=====>.....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9451 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
343/750 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3239 - accuracy:
415/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
484/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9435 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
555/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9431 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
680/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9431 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
737/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
0.9427 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy:
750/750 [=====>.....] - 1s 924us/step - loss: 0.3242 - accuracy:
0.9424 - val_loss: 0.5401 - val_accuracy: 0.8734
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.2565 - accuracy:
0.9844 [=>.....] - ETA: 0s - loss: 0.3213 - accuracy:

0.9424 [=====>.....] - ETA: 0s - loss: 0.3169 - accuracy:
140/750 [=====>.....] - ETA: 0s - loss: 0.3169 - accuracy:
0.9445 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
0.9433 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 0.3271 - accuracy:
0.9409 [=====>.....] - ETA: 0s - loss: 0.3245 - accuracy:
344/750 [=====>.....] - ETA: 0s - loss: 0.3245 - accuracy:
0.9417 [=====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
415/750 [=====>.....] - ETA: 0s - loss: 0.3238 - accuracy:
0.9421 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
486/750 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
0.9420 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
556/750 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
0.9417 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.3250 - accuracy:
0.9416 [=====>.....] - ETA: 0s - loss: 0.3236 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.3236 - accuracy:
0.9421 [=====>...] - ETA: 0s - loss: 0.3244 - accuracy:
746/750 [=====>.] - ETA: 0s - loss: 0.3244 - accuracy:
0.9418 [=====>.] - ETA: 0s - loss: 0.3243 - accuracy:
750/750 [=====] - 1s 911us/step - loss: 0.3243 - accuracy:
0.9417 - val_loss: 0.5436 - val_accuracy: 0.8779
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.3153 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3080 - accuracy:
63/750 [=>.....] - ETA: 0s - loss: 0.3080 - accuracy:
0.9489 [=>.....] - ETA: 0s - loss: 0.3187 - accuracy:
130/750 [===>.....] - ETA: 0s - loss: 0.3187 - accuracy:
0.9442 [===>.....] - ETA: 0s - loss: 0.3161 - accuracy:
198/750 [=====>.....] - ETA: 0s - loss: 0.3161 - accuracy:
0.9455 [=====>.....] - ETA: 0s - loss: 0.3194 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.3194 - accuracy:
0.9451 [=====>.....] - ETA: 0s - loss: 0.3211 - accuracy:
333/750 [=====>.....] - ETA: 0s - loss: 0.3211 - accuracy:
0.9436 [=====>.....] - ETA: 0s - loss: 0.3195 - accuracy:
401/750 [=====>.....] - ETA: 0s - loss: 0.3195 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3213 - accuracy:
472/750 [=====>.....] - ETA: 0s - loss: 0.3213 - accuracy:
0.9432 [=====>.....] - ETA: 0s - loss: 0.3231 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.3231 - accuracy:
0.9423 [=====>.....] - ETA: 0s - loss: 0.3255 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.3255 - accuracy:
0.9418 [=====>.....] - ETA: 0s - loss: 0.3252 - accuracy:
682/750 [=====>...] - ETA: 0s - loss: 0.3252 - accuracy:
0.9416 [=====>...] - ETA: 0s - loss: 0.3270 - accuracy:
750/750 [=====] - 1s 895us/step - loss: 0.3270 - accuracy:
0.9408 - val_loss: 0.5195 - val_accuracy: 0.8845
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.3032 - accuracy: 0.9375
72/750 [=>.....] - ETA: 0s - loss: 0.3236 - accuracy: 0.9442
141/750 [====>.....] - ETA: 0s - loss: 0.3209 - accuracy: 0.9437
210/750 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy: 0.9446
276/750 [======>.....] - ETA: 0s - loss: 0.3169 - accuracy: 0.9442
344/750 [======>.....] - ETA: 0s - loss: 0.3158 - accuracy: 0.9438
410/750 [======>.....] - ETA: 0s - loss: 0.3180 - accuracy: 0.9442
471/750 [======>.....] - ETA: 0s - loss: 0.3194 - accuracy: 0.9439
536/750 [======>.....] - ETA: 0s - loss: 0.3199 - accuracy: 0.9436
604/750 [======>.....] - ETA: 0s - loss: 0.3217 - accuracy: 0.9428
673/750 [======>....] - ETA: 0s - loss: 0.3234 - accuracy: 0.9422
743/750 [======>.] - ETA: 0s - loss: 0.3238 - accuracy: 0.9420
750/750 [=====] - 1s 907us/step - loss: 0.3241 - accuracy: 0.9419 - val_loss: 0.5172 - val_accuracy: 0.8879
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.4329 - accuracy: 0.8594
68/750 [=>.....] - ETA: 0s - loss: 0.3356 - accuracy: 0.9370
136/750 [====>.....] - ETA: 0s - loss: 0.3227 - accuracy: 0.9424
203/750 [=====>.....] - ETA: 0s - loss: 0.3243 - accuracy: 0.9420
273/750 [======>.....] - ETA: 0s - loss: 0.3206 - accuracy: 0.9441
341/750 [======>.....] - ETA: 0s - loss: 0.3207 - accuracy: 0.9424
408/750 [======>.....] - ETA: 0s - loss: 0.3216 - accuracy: 0.9410
480/750 [======>.....] - ETA: 0s - loss: 0.3207 - accuracy: 0.9412
549/750 [======>.....] - ETA: 0s - loss: 0.3238 - accuracy: 0.9404
619/750 [======>.....] - ETA: 0s - loss: 0.3250 - accuracy: 0.9394
687/750 [======>....] - ETA: 0s - loss: 0.3260 - accuracy:

0.9390
750/750 [=====] - 1s 904us/step - loss: 0.3266 - accuracy:
0.9390 - val_loss: 0.5065 - val_accuracy: 0.8881
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.2618 - accuracy:
0.9531
63/750 [=>.....] - ETA: 0s - loss: 0.3122 - accuracy:
0.9449
132/750 [====>.....] - ETA: 0s - loss: 0.3103 - accuracy:
0.9472
196/750 [=====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
0.9441
264/750 [======>.....] - ETA: 0s - loss: 0.3211 - accuracy:
0.9432
336/750 [======>.....] - ETA: 0s - loss: 0.3199 - accuracy:
0.9442
406/750 [======>.....] - ETA: 0s - loss: 0.3198 - accuracy:
0.9440
477/750 [======>.....] - ETA: 0s - loss: 0.3194 - accuracy:
0.9440
550/750 [======>.....] - ETA: 0s - loss: 0.3199 - accuracy:
0.9432
618/750 [======>.....] - ETA: 0s - loss: 0.3200 - accuracy:
0.9430
691/750 [======>...] - ETA: 0s - loss: 0.3204 - accuracy:
0.9430
750/750 [=====] - 1s 884us/step - loss: 0.3215 - accuracy:
0.9423 - val_loss: 0.5301 - val_accuracy: 0.8799
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.2910 - accuracy:
0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.3121 - accuracy:
0.9476
144/750 [====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
0.9440
216/750 [=====>.....] - ETA: 0s - loss: 0.3153 - accuracy:
0.9445
286/750 [======>.....] - ETA: 0s - loss: 0.3155 - accuracy:
0.9450
358/750 [======>.....] - ETA: 0s - loss: 0.3202 - accuracy:
0.9428
426/750 [======>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9422
498/750 [======>.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9426
568/750 [======>.....] - ETA: 0s - loss: 0.3210 - accuracy:
0.9426
639/750 [======>.....] - ETA: 0s - loss: 0.3226 - accuracy:

0.9420 [=====>..] - ETA: 0s - loss: 0.3230 - accuracy:
0.9416 [=====] - 1s 872us/step - loss: 0.3235 - accuracy:
0.9414 - val_loss: 0.5588 - val_accuracy: 0.8748
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.3248 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3132 - accuracy:
0.9479 [====>.....] - ETA: 0s - loss: 0.3177 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3168 - accuracy:
0.9448 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
0.9450 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9425 [=====>.....] - ETA: 0s - loss: 0.3227 - accuracy:
0.9428 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
0.9434 [=====>.....] - ETA: 0s - loss: 0.3200 - accuracy:
0.9440 [=====>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9432 [=====>..] - ETA: 0s - loss: 0.3231 - accuracy:
0.9425 [=====] - 1s 865us/step - loss: 0.3235 - accuracy:
0.9425 - val_loss: 0.5308 - val_accuracy: 0.8780
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.2913 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3178 - accuracy:
0.9470 [====>.....] - ETA: 0s - loss: 0.3184 - accuracy:
0.9454 [=====>.....] - ETA: 0s - loss: 0.3229 - accuracy:
0.9435 [=====>.....] - ETA: 0s - loss: 0.3175 - accuracy:
0.9465 [=====>.....] - ETA: 0s - loss: 0.3186 - accuracy:
0.9458 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9449 [=====>.....] - ETA: 0s - loss: 0.3201 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3195 - accuracy:

0.9442 [=====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9434 [=====>.....] - ETA: 0s - loss: 0.3239 - accuracy:
700/750 [=====>..] - ETA: 0s - loss: 0.3243 - accuracy:
0.9425 [=====] - 1s 869us/step - loss: 0.3243 - accuracy:
0.9423 - val_loss: 0.5345 - val_accuracy: 0.8808
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.2782 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3211 - accuracy:
0.9391 [====>.....] - ETA: 0s - loss: 0.3309 - accuracy:
0.9380 [=====>.....] - ETA: 0s - loss: 0.3287 - accuracy:
0.9392 [=====>.....] - ETA: 0s - loss: 0.3300 - accuracy:
0.9382 [=====>.....] - ETA: 0s - loss: 0.3258 - accuracy:
0.9399 [=====>.....] - ETA: 0s - loss: 0.3265 - accuracy:
0.9402 [=====>.....] - ETA: 0s - loss: 0.3256 - accuracy:
0.9406 [=====>.....] - ETA: 0s - loss: 0.3237 - accuracy:
0.9418 [=====>.....] - ETA: 0s - loss: 0.3230 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3235 - accuracy:
0.9427 [=====>.....] - 1s 880us/step - loss: 0.3228 - accuracy:
0.9429 - val_loss: 0.5164 - val_accuracy: 0.8857
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.2646 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3203 - accuracy:
0.9423 [====>.....] - ETA: 0s - loss: 0.3155 - accuracy:
0.9441 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3186 - accuracy:
0.9436 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9438 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3195 - accuracy:

0.9434 [=====>.....] - ETA: 0s - loss: 0.3177 - accuracy:
551/750 [=====>.....] - ETA: 0s - loss: 0.3177 - accuracy:
0.9437 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
0.9434 [=====>.....] - ETA: 0s - loss: 0.3200 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.3200 - accuracy:
0.9429 [=====] - 1s 888us/step - loss: 0.3220 - accuracy:
750/750 [=====] - 1s 888us/step - loss: 0.3220 - accuracy:
0.9425 - val_loss: 0.5522 - val_accuracy: 0.8769
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.2689 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3197 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.3197 - accuracy:
0.9440 [====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
140/750 [====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
0.9440 [====>.....] - ETA: 0s - loss: 0.3189 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3189 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3222 - accuracy:
279/750 [=====>.....] - ETA: 0s - loss: 0.3222 - accuracy:
0.9430 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
0.9441 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
421/750 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
0.9427 [=====>.....] - ETA: 0s - loss: 0.3207 - accuracy:
489/750 [=====>.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9430 [=====>.....] - ETA: 0s - loss: 0.3233 - accuracy:
560/750 [=====>.....] - ETA: 0s - loss: 0.3233 - accuracy:
0.9413 [=====>.....] - ETA: 0s - loss: 0.3235 - accuracy:
632/750 [=====>.....] - ETA: 0s - loss: 0.3235 - accuracy:
0.9412 [=====>.....] - ETA: 0s - loss: 0.3251 - accuracy:
704/750 [=====>...] - ETA: 0s - loss: 0.3251 - accuracy:
0.9408 [=====>...] - ETA: 0s - loss: 0.3247 - accuracy:
750/750 [=====>] - 1s 870us/step - loss: 0.3247 - accuracy:
0.9410 - val_loss: 0.5272 - val_accuracy: 0.8864
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.3344 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.3002 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3002 - accuracy:
0.9562 [====>.....] - ETA: 0s - loss: 0.3071 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.3071 - accuracy:
0.9509 [====>.....] - ETA: 0s - loss: 0.3149 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3149 - accuracy:
0.9479 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9462 [=====>.....] - ETA: 0s - loss: 0.3175 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3175 - accuracy:
0.9464 [=====>.....] - ETA: 0s - loss: 0.3157 - accuracy:
423/750 [=====>.....] - ETA: 0s - loss: 0.3157 - accuracy:

0.9463 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
495/750 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3197 - accuracy:
564/750 [=====>.....] - ETA: 0s - loss: 0.3197 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3219 - accuracy:
633/750 [=====>.....] - ETA: 0s - loss: 0.3219 - accuracy:
0.9431 [=====>.....] - ETA: 0s - loss: 0.3233 - accuracy:
705/750 [=====>..] - ETA: 0s - loss: 0.3233 - accuracy:
0.9424 [=====] - 1s 866us/step - loss: 0.3243 - accuracy:
750/750 [=====] - 1s 866us/step - loss: 0.3243 - accuracy:
0.9420 - val_loss: 0.5216 - val_accuracy: 0.8859
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.3421 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3099 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3099 - accuracy:
0.9494 [====>.....] - ETA: 0s - loss: 0.3167 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3167 - accuracy:
0.9455 [=====>.....] - ETA: 0s - loss: 0.3156 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3156 - accuracy:
0.9456 [=====>.....] - ETA: 0s - loss: 0.3141 - accuracy:
276/750 [=====>.....] - ETA: 0s - loss: 0.3141 - accuracy:
0.9464 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
417/750 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
0.9427 [=====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
487/750 [=====>.....] - ETA: 0s - loss: 0.3208 - accuracy:
0.9430 [=====>.....] - ETA: 0s - loss: 0.3230 - accuracy:
558/750 [=====>.....] - ETA: 0s - loss: 0.3230 - accuracy:
0.9427 [=====>.....] - ETA: 0s - loss: 0.3241 - accuracy:
629/750 [=====>.....] - ETA: 0s - loss: 0.3241 - accuracy:
0.9420 [=====>.....] - ETA: 0s - loss: 0.3244 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.3244 - accuracy:
0.9421 [=====>...] - 1s 872us/step - loss: 0.3238 - accuracy:
750/750 [=====>...] - 1s 872us/step - loss: 0.3238 - accuracy:
0.9421 - val_loss: 0.5346 - val_accuracy: 0.8815
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.2301 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.3021 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.3021 - accuracy:
0.9521 [====>.....] - ETA: 0s - loss: 0.3055 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.3055 - accuracy:
0.9505 [=====>.....] - ETA: 0s - loss: 0.3138 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3138 - accuracy:
0.9469 [=====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
0.9451 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:

0.9446 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
0.9445 [=====>.....] - ETA: 0s - loss: 0.3178 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.3178 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
576/750 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
0.9453 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.3185 - accuracy:
0.9442 [=====] - 1s 858us/step - loss: 0.3182 - accuracy:
750/750 [=====] - 1s 858us/step - loss: 0.3182 - accuracy:
0.9444 - val_loss: 0.6014 - val_accuracy: 0.8674
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.3293 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3437 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3437 - accuracy:
0.9342 [====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.3260 - accuracy:
0.9414 [=====>.....] - ETA: 0s - loss: 0.3204 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3204 - accuracy:
0.9438 [=====>.....] - ETA: 0s - loss: 0.3184 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.3184 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9437 [=====>.....] - ETA: 0s - loss: 0.3190 - accuracy:
424/750 [=====>.....] - ETA: 0s - loss: 0.3190 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.3226 - accuracy:
0.9426 [=====>.....] - ETA: 0s - loss: 0.3258 - accuracy:
562/750 [=====>.....] - ETA: 0s - loss: 0.3258 - accuracy:
0.9409 [=====>.....] - ETA: 0s - loss: 0.3257 - accuracy:
629/750 [=====>.....] - ETA: 0s - loss: 0.3257 - accuracy:
0.9412 [=====>.....] - ETA: 0s - loss: 0.3255 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.3255 - accuracy:
0.9410 [=====>...] - 1s 883us/step - loss: 0.3267 - accuracy:
750/750 [=====>...] - 1s 883us/step - loss: 0.3267 - accuracy:
0.9409 - val_loss: 0.5339 - val_accuracy: 0.8790
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.3143 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.3126 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3126 - accuracy:
0.9476 [====>.....] - ETA: 0s - loss: 0.3115 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.3115 - accuracy:
0.9485 [=====>.....] - ETA: 0s - loss: 0.3109 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3109 - accuracy:
0.9480 [=====>.....] - ETA: 0s - loss: 0.3104 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.3104 - accuracy:

0.9482 [=====>.....] - ETA: 0s - loss: 0.3137 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.3137 - accuracy:
0.9468 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
422/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9457 [=====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
491/750 [=====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
0.9456 [=====>.....] - ETA: 0s - loss: 0.3147 - accuracy:
563/750 [=====>.....] - ETA: 0s - loss: 0.3147 - accuracy:
0.9464 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
635/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
705/750 [=====>..] - ETA: 0s - loss: 0.3193 - accuracy:
0.9437 [=====] - 1s 866us/step - loss: 0.3189 - accuracy:
750/750 [=====] - 1s 866us/step - loss: 0.3189 - accuracy:
0.9438 - val_loss: 0.5377 - val_accuracy: 0.8813
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.3142 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.2988 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.2988 - accuracy:
0.9536 [====>.....] - ETA: 0s - loss: 0.3097 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3097 - accuracy:
0.9483 [=====>.....] - ETA: 0s - loss: 0.3113 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.3113 - accuracy:
0.9474 [=====>.....] - ETA: 0s - loss: 0.3104 - accuracy:
280/750 [=====>.....] - ETA: 0s - loss: 0.3104 - accuracy:
0.9474 [=====>.....] - ETA: 0s - loss: 0.3149 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.3149 - accuracy:
0.9455 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
419/750 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
0.9443 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
488/750 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
0.9434 [=====>.....] - ETA: 0s - loss: 0.3198 - accuracy:
555/750 [=====>.....] - ETA: 0s - loss: 0.3198 - accuracy:
0.9436 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
0.9427 [=====>.....] - ETA: 0s - loss: 0.3232 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.3232 - accuracy:
0.9421 [=====>...] - 1s 888us/step - loss: 0.3232 - accuracy:
750/750 [=====>...] - 1s 888us/step - loss: 0.3232 - accuracy:
0.9421 - val_loss: 0.5492 - val_accuracy: 0.8817
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.4694 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.3129 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3129 - accuracy:
0.9467 [====>.....] - ETA: 0s - loss: 0.3143 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.3143 - accuracy:
0.9453 [=====>.....] - ETA: 0s - loss: 0.3132 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3132 - accuracy:

0.9459 [=====>.....] - ETA: 0s - loss: 0.3143 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 0.3143 - accuracy:
0.9454 [=====>.....] - ETA: 0s - loss: 0.3198 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.3198 - accuracy:
0.9428 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
419/750 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9431 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
490/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
562/750 [=====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
0.9440 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
637/750 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.3181 - accuracy:
0.9442 [=====>..] - ETA: 0s - loss: 0.3181 - accuracy:
750/750 [=====] - 1s 866us/step - loss: 0.3185 - accuracy:
0.9443 - val_loss: 0.5248 - val_accuracy: 0.8843
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.2547 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.2979 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.2979 - accuracy:
0.9546 [====>.....] - ETA: 0s - loss: 0.3085 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.3085 - accuracy:
0.9498 [====>.....] - ETA: 0s - loss: 0.3128 - accuracy:
216/750 [====>.....] - ETA: 0s - loss: 0.3128 - accuracy:
0.9478 [====>.....] - ETA: 0s - loss: 0.3171 - accuracy:
285/750 [====>.....] - ETA: 0s - loss: 0.3171 - accuracy:
0.9464 [====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
358/750 [====>.....] - ETA: 0s - loss: 0.3183 - accuracy:
0.9459 [====>.....] - ETA: 0s - loss: 0.3212 - accuracy:
430/750 [====>.....] - ETA: 0s - loss: 0.3212 - accuracy:
0.9444 [====>.....] - ETA: 0s - loss: 0.3201 - accuracy:
501/750 [====>.....] - ETA: 0s - loss: 0.3201 - accuracy:
0.9450 [====>.....] - ETA: 0s - loss: 0.3195 - accuracy:
570/750 [====>.....] - ETA: 0s - loss: 0.3195 - accuracy:
0.9449 [====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
641/750 [====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
0.9452 [====>.....] - ETA: 0s - loss: 0.3190 - accuracy:
714/750 [====>..] - ETA: 0s - loss: 0.3190 - accuracy:
0.9448 [====>..] - ETA: 0s - loss: 0.3201 - accuracy:
750/750 [=====] - 1s 868us/step - loss: 0.3201 - accuracy:
0.9441 - val_loss: 0.5319 - val_accuracy: 0.8827
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3405 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.3149 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.3149 - accuracy:
0.9463 [====>.....] - ETA: 0s - loss: 0.3145 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3145 - accuracy:

0.9461 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
0.9453 [=====>.....] - ETA: 0s - loss: 0.3133 - accuracy:
281/750 [=====>.....] - ETA: 0s - loss: 0.3133 - accuracy:
0.9464 [=====>.....] - ETA: 0s - loss: 0.3160 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.3160 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3201 - accuracy:
424/750 [=====>.....] - ETA: 0s - loss: 0.3201 - accuracy:
0.9429 [=====>.....] - ETA: 0s - loss: 0.3190 - accuracy:
492/750 [=====>.....] - ETA: 0s - loss: 0.3190 - accuracy:
0.9429 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
562/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9437 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
632/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3189 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.3189 - accuracy:
0.9432 [=====>..] - ETA: 0s - loss: 0.3186 - accuracy:
750/750 [=====] - 1s 869us/step - loss: 0.3186 - accuracy:
0.9433 - val_loss: 0.5217 - val_accuracy: 0.8858
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.2275 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.2942 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.2942 - accuracy:
0.9551 [=>.....] - ETA: 0s - loss: 0.2964 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.2964 - accuracy:
0.9513 [====>.....] - ETA: 0s - loss: 0.3077 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.3077 - accuracy:
0.9475 [=====>.....] - ETA: 0s - loss: 0.3131 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.3131 - accuracy:
0.9453 [=====>.....] - ETA: 0s - loss: 0.3142 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3142 - accuracy:
0.9452 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
0.9443 [=====>.....] - ETA: 0s - loss: 0.3203 - accuracy:
497/750 [=====>.....] - ETA: 0s - loss: 0.3203 - accuracy:
0.9437 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
569/750 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
0.9432 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
638/750 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
0.9440 [=====>.....] - ETA: 0s - loss: 0.3219 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.3219 - accuracy:
0.9435 [=====>..] - ETA: 0s - loss: 0.3215 - accuracy:
750/750 [=====] - 1s 862us/step - loss: 0.3215 - accuracy:
0.9437 - val_loss: 0.5240 - val_accuracy: 0.8849
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.2849 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3073 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3073 - accuracy:

0.9512 [=====>.....] - ETA: 0s - loss: 0.3085 - accuracy: 0.9492
210/750 [=====>.....] - ETA: 0s - loss: 0.3108 - accuracy: 0.9467
280/750 [=====>.....] - ETA: 0s - loss: 0.3149 - accuracy: 0.9452
351/750 [=====>.....] - ETA: 0s - loss: 0.3158 - accuracy: 0.9446
419/750 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy: 0.9445
490/750 [=====>.....] - ETA: 0s - loss: 0.3196 - accuracy: 0.9442
561/750 [=====>.....] - ETA: 0s - loss: 0.3207 - accuracy: 0.9440
630/750 [=====>.....] - ETA: 0s - loss: 0.3217 - accuracy: 0.9434
703/750 [=====>..] - ETA: 0s - loss: 0.3217 - accuracy: 0.9431
750/750 [=====] - 1s 869us/step - loss: 0.3211 - accuracy: 0.9433 - val_loss: 0.5346 - val_accuracy: 0.8830
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.2568 - accuracy: 0.9844
72/750 [=>.....] - ETA: 0s - loss: 0.3198 - accuracy: 0.9447
750/750 [=====] - -1s -1402us/step - loss: 0.3181 - accuracy: 0.9436 - val_loss: 0.5600 - val_accuracy: 0.8699
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.3029 - accuracy: 0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.3138 - accuracy: 0.9485
142/750 [====>.....] - ETA: 0s - loss: 0.3138 - accuracy: 0.9488
215/750 [=====>.....] - ETA: 0s - loss: 0.3153 - accuracy: 0.9488
282/750 [=====>.....] - ETA: 0s - loss: 0.3152 - accuracy: 0.9481
354/750 [=====>.....] - ETA: 0s - loss: 0.3177 - accuracy: 0.9460
424/750 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy: 0.9467
496/750 [=====>.....] - ETA: 0s - loss: 0.3182 - accuracy: 0.9459
562/750 [=====>.....] - ETA: 0s - loss: 0.3168 - accuracy: 0.9464
632/750 [=====>.....] - ETA: 0s - loss: 0.3172 - accuracy:

0.9460 [=====] - ETA: 0s - loss: 0.3179 - accuracy: 0.9458
703/750 [=====>..] - ETA: 0s - loss: 0.3179 - accuracy: 0.9458
0.9458 [=====] - 1s 889us/step - loss: 0.3187 - accuracy: 0.9455 - val_loss: 0.5921 - val_accuracy: 0.8645
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.4524 - accuracy: 0.8906
70/750 [=>.....] - ETA: 0s - loss: 0.3095 - accuracy: 0.9500
141/750 [====>.....] - ETA: 0s - loss: 0.3128 - accuracy: 0.9475
209/750 [=====>.....] - ETA: 0s - loss: 0.3121 - accuracy: 0.9477
280/750 [======>.....] - ETA: 0s - loss: 0.3124 - accuracy: 0.9477
348/750 [======>.....] - ETA: 0s - loss: 0.3147 - accuracy: 0.9474
415/750 [======>.....] - ETA: 0s - loss: 0.3171 - accuracy: 0.9463
484/750 [======>.....] - ETA: 0s - loss: 0.3173 - accuracy: 0.9455
557/750 [======>.....] - ETA: 0s - loss: 0.3184 - accuracy: 0.9446
627/750 [======>.....] - ETA: 0s - loss: 0.3193 - accuracy: 0.9442
699/750 [======>...] - ETA: 0s - loss: 0.3195 - accuracy: 0.9441
750/750 [=====] - 1s 877us/step - loss: 0.3189 - accuracy: 0.9443 - val_loss: 0.5275 - val_accuracy: 0.8810
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.3480 - accuracy: 0.9531
74/750 [=>.....] - ETA: 0s - loss: 0.3067 - accuracy: 0.9487
144/750 [====>.....] - ETA: 0s - loss: 0.3155 - accuracy: 0.9457
216/750 [=====>.....] - ETA: 0s - loss: 0.3127 - accuracy: 0.9465
285/750 [======>.....] - ETA: 0s - loss: 0.3153 - accuracy: 0.9458
355/750 [======>.....] - ETA: 0s - loss: 0.3187 - accuracy: 0.9444
425/750 [======>.....] - ETA: 0s - loss: 0.3167 - accuracy: 0.9452
497/750 [======>.....] - ETA: 0s - loss: 0.3206 - accuracy: 0.9444
568/750 [======>.....] - ETA: 0s - loss: 0.3228 - accuracy:

0.9430 [=====>.....] - ETA: 0s - loss: 0.3207 - accuracy:
641/750 [=====>.....] - ETA: 0s - loss: 0.3207 - accuracy:
0.9436 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
712/750 [=====>.....] - ETA: 0s - loss: 0.3215 - accuracy:
0.9433 [=====>.....] - ETA: 0s - loss: 0.3212 - accuracy:
750/750 [=====] - 1s 861us/step - loss: 0.3212 - accuracy:
0.9435 - val_loss: 0.5865 - val_accuracy: 0.8691
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.3663 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3020 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3020 - accuracy:
0.9485 [=====>.....] - ETA: 0s - loss: 0.3050 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.3050 - accuracy:
0.9489 [=====>.....] - ETA: 0s - loss: 0.3114 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.3114 - accuracy:
0.9468 [=====>.....] - ETA: 0s - loss: 0.3140 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.3140 - accuracy:
0.9463 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
0.9445 [=====>.....] - ETA: 0s - loss: 0.3158 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.3158 - accuracy:
0.9449 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
498/750 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3178 - accuracy:
569/750 [=====>.....] - ETA: 0s - loss: 0.3178 - accuracy:
0.9443 [=====>.....] - ETA: 0s - loss: 0.3175 - accuracy:
640/750 [=====>.....] - ETA: 0s - loss: 0.3175 - accuracy:
0.9440 [=====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
712/750 [=====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3170 - accuracy:
750/750 [=====] - 1s 861us/step - loss: 0.3170 - accuracy:
0.9445 - val_loss: 0.5266 - val_accuracy: 0.8839
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.2228 - accuracy:
1.0000 [.....] - ETA: 0s - loss: 0.3051 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3051 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.3110 - accuracy:
142/750 [=====>.....] - ETA: 0s - loss: 0.3110 - accuracy:
0.9484 [=====>.....] - ETA: 0s - loss: 0.3123 - accuracy:
212/750 [=====>.....] - ETA: 0s - loss: 0.3123 - accuracy:
0.9486 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3159 - accuracy:
0.9471 [=====>.....] - ETA: 0s - loss: 0.3200 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3200 - accuracy:
0.9452 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
425/750 [=====>.....] - ETA: 0s - loss: 0.3210 - accuracy:
0.9451 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:
496/750 [=====>.....] - ETA: 0s - loss: 0.3188 - accuracy:

0.9457 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
568/750 [=====>.....] - ETA: 0s - loss: 0.3192 - accuracy:
0.9453 [=====>.....] - ETA: 0s - loss: 0.3199 - accuracy:
639/750 [=====>.....] - ETA: 0s - loss: 0.3199 - accuracy:
0.9448 [=====>.....] - ETA: 0s - loss: 0.3214 - accuracy:
710/750 [=====>.....] - ETA: 0s - loss: 0.3214 - accuracy:
0.9444 [=====>.....] - ETA: 0s - loss: 0.3214 - accuracy:
750/750 [=====] - 1s 862us/step - loss: 0.3204 - accuracy:
0.9445 - val_loss: 0.5345 - val_accuracy: 0.8834
Epoch 203/220

1/750 [=====>.....] - ETA: 0s - loss: 0.3285 - accuracy:
0.9688 [=====>.....] - ETA: 0s - loss: 0.3043 - accuracy:
71/750 [=====>.....] - ETA: 0s - loss: 0.3043 - accuracy:
0.9498 [=====>.....] - ETA: 0s - loss: 0.3076 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.3076 - accuracy:
0.9481 [=====>.....] - ETA: 0s - loss: 0.3067 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.3067 - accuracy:
0.9491 [=====>.....] - ETA: 0s - loss: 0.3072 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.3072 - accuracy:
0.9486 [=====>.....] - ETA: 0s - loss: 0.3103 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.3103 - accuracy:
0.9474 [=====>.....] - ETA: 0s - loss: 0.3115 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.3115 - accuracy:
0.9468 [=====>.....] - ETA: 0s - loss: 0.3138 - accuracy:
499/750 [=====>.....] - ETA: 0s - loss: 0.3138 - accuracy:
0.9456 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
569/750 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
0.9443 [=====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
639/750 [=====>.....] - ETA: 0s - loss: 0.3172 - accuracy:
0.9440 [=====>.....] - ETA: 0s - loss: 0.3169 - accuracy:
708/750 [=====>.....] - ETA: 0s - loss: 0.3169 - accuracy:
0.9443 [=====>.....] - ETA: 0s - loss: 0.3173 - accuracy:
750/750 [=====] - 1s 872us/step - loss: 0.3173 - accuracy:
0.9444 - val_loss: 0.5732 - val_accuracy: 0.8721
Epoch 204/220

1/750 [=====>.....] - ETA: 0s - loss: 0.2993 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.3142 - accuracy:
69/750 [=====>.....] - ETA: 0s - loss: 0.3142 - accuracy:
0.9484 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
140/750 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9416 [=====>.....] - ETA: 0s - loss: 0.3117 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.3117 - accuracy:
0.9447 [=====>.....] - ETA: 0s - loss: 0.3075 - accuracy:
281/750 [=====>.....] - ETA: 0s - loss: 0.3075 - accuracy:
0.9465 [=====>.....] - ETA: 0s - loss: 0.3126 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.3126 - accuracy:
0.9452 [=====>.....] - ETA: 0s - loss: 0.3115 - accuracy:
419/750 [=====>.....] - ETA: 0s - loss: 0.3115 - accuracy:

0.9456 [=====>.....] - ETA: 0s - loss: 0.3145 - accuracy:
489/750 [=====>.....] - ETA: 0s - loss: 0.3145 - accuracy:
0.9448 [=====>.....] - ETA: 0s - loss: 0.3165 - accuracy:
558/750 [=====>.....] - ETA: 0s - loss: 0.3165 - accuracy:
0.9443 [=====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.3174 - accuracy:
0.9438 [=====>.....] - ETA: 0s - loss: 0.3189 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.3189 - accuracy:
0.9433 [=====>...] - ETA: 0s - loss: 0.3223 - accuracy:
750/750 [=====] - 1s 880us/step - loss: 0.3223 - accuracy:
0.9425 - val_loss: 0.5157 - val_accuracy: 0.8867
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.2318 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.3046 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3046 - accuracy:
0.9523 [=>.....] - ETA: 0s - loss: 0.3034 - accuracy:
140/750 [====>.....] - ETA: 0s - loss: 0.3062 - accuracy:
0.9529 [====>.....] - ETA: 0s - loss: 0.3110 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3110 - accuracy:
0.9513 [=====>.....] - ETA: 0s - loss: 0.3137 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3137 - accuracy:
0.9487 [=====>.....] - ETA: 0s - loss: 0.3145 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.3145 - accuracy:
0.9477 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
423/750 [=====>.....] - ETA: 0s - loss: 0.3181 - accuracy:
0.9473 [=====>.....] - ETA: 0s - loss: 0.3180 - accuracy:
496/750 [=====>.....] - ETA: 0s - loss: 0.3182 - accuracy:
0.9469 [=====>.....] - ETA: 0s - loss: 0.3182 - accuracy:
564/750 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9452 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
635/750 [=====>.....] - ETA: 0s - loss: 0.3185 - accuracy:
0.9451 [=====>...] - ETA: 0s - loss: 0.3185 - accuracy:
707/750 [=====>...] - ETA: 0s - loss: 0.3185 - accuracy:
0.9448 [=====>...] - ETA: 0s - loss: 0.3185 - accuracy:
750/750 [=====] - 1s 866us/step - loss: 0.3185 - accuracy:
0.9449 - val_loss: 0.5450 - val_accuracy: 0.8783
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.3994 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.3113 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.3113 - accuracy:
0.9475 [=>.....] - ETA: 0s - loss: 0.3070 - accuracy:
139/750 [====>.....] - ETA: 0s - loss: 0.3114 - accuracy:
0.9500 [====>.....] - ETA: 0s - loss: 0.3114 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3095 - accuracy:
0.9487 [=====>.....] - ETA: 0s - loss: 0.3154 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3154 - accuracy:
0.9496 [=====>.....] - ETA: 0s - loss: 0.3154 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.3154 - accuracy:

0.9471 [=====>.....] - ETA: 0s - loss: 0.3161 - accuracy:
423/750 [=====>.....] - ETA: 0s - loss: 0.3160 - accuracy:
0.9459 [=====>.....] - ETA: 0s - loss: 0.3156 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.3158 - accuracy:
0.9449 [=====>..] - ETA: 0s - loss: 0.3175 - accuracy:
705/750 [=====] - 1s 868us/step - loss: 0.3177 - accuracy:
0.9445 - val_loss: 0.5261 - val_accuracy: 0.8855
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.3227 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.2989 - accuracy:
72/750 [====>.....] - ETA: 0s - loss: 0.3109 - accuracy:
141/750 [=====>.....] - ETA: 0s - loss: 0.3095 - accuracy:
208/750 [=====>.....] - ETA: 0s - loss: 0.3120 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.3147 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.3147 - accuracy:
416/750 [=====>.....] - ETA: 0s - loss: 0.3146 - accuracy:
488/750 [=====>.....] - ETA: 0s - loss: 0.3163 - accuracy:
554/750 [=====>.....] - ETA: 0s - loss: 0.3171 - accuracy:
624/750 [=====>...] - ETA: 0s - loss: 0.3159 - accuracy:
694/750 [=====] - 1s 888us/step - loss: 0.3169 - accuracy:
0.9455 - val_loss: 0.5235 - val_accuracy: 0.8858
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.2230 - accuracy:
0.9844 [=>.....] - ETA: 0s - loss: 0.3179 - accuracy:
69/750 [====>.....] - ETA: 0s - loss: 0.3151 - accuracy:
138/750 [=====>.....] - ETA: 0s - loss: 0.3133 - accuracy:
205/750 [=====>.....] - ETA: 0s - loss: 0.3135 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.3135 - accuracy:

0.9458 [.....] - ETA: 0s - loss: 0.3130 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.3130 - accuracy:
0.9462 [.....] - ETA: 0s - loss: 0.3119 - accuracy:
417/750 [=====>.....] - ETA: 0s - loss: 0.3119 - accuracy:
0.9469 [.....] - ETA: 0s - loss: 0.3127 - accuracy:
485/750 [=====>.....] - ETA: 0s - loss: 0.3127 - accuracy:
0.9467 [.....] - ETA: 0s - loss: 0.3117 - accuracy:
556/750 [=====>.....] - ETA: 0s - loss: 0.3117 - accuracy:
0.9467 [.....] - ETA: 0s - loss: 0.3129 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.3129 - accuracy:
0.9466 [.....] - ETA: 0s - loss: 0.3132 - accuracy:
697/750 [=====>...] - ETA: 0s - loss: 0.3132 - accuracy:
0.9468 [.....] - 1s 879us/step - loss: 0.3148 - accuracy:
750/750 [=====] - 1s 879us/step - loss: 0.3148 - accuracy:
0.9459 - val_loss: 0.5463 - val_accuracy: 0.8771
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.2906 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.2884 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.2884 - accuracy:
0.9566 [.....] - ETA: 0s - loss: 0.3035 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.3035 - accuracy:
0.9517 [.....] - ETA: 0s - loss: 0.3017 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.3017 - accuracy:
0.9524 [.....] - ETA: 0s - loss: 0.3034 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3034 - accuracy:
0.9516 [.....] - ETA: 0s - loss: 0.3096 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.3096 - accuracy:
0.9492 [.....] - ETA: 0s - loss: 0.3123 - accuracy:
424/750 [=====>.....] - ETA: 0s - loss: 0.3123 - accuracy:
0.9477 [.....] - ETA: 0s - loss: 0.3136 - accuracy:
495/750 [=====>.....] - ETA: 0s - loss: 0.3136 - accuracy:
0.9471 [.....] - ETA: 0s - loss: 0.3151 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.3151 - accuracy:
0.9467 [.....] - ETA: 0s - loss: 0.3171 - accuracy:
635/750 [=====>.....] - ETA: 0s - loss: 0.3171 - accuracy:
0.9458 [.....] - ETA: 0s - loss: 0.3175 - accuracy:
705/750 [=====>..] - ETA: 0s - loss: 0.3175 - accuracy:
0.9459 [.....] - 1s 868us/step - loss: 0.3177 - accuracy:
750/750 [=====] - 1s 868us/step - loss: 0.3177 - accuracy:
0.9459 - val_loss: 0.6315 - val_accuracy: 0.8543
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.3341 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3218 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.3218 - accuracy:
0.9443 [.....] - ETA: 0s - loss: 0.3146 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.3146 - accuracy:
0.9494 [.....] - ETA: 0s - loss: 0.3099 - accuracy:
212/750 [=====>.....] - ETA: 0s - loss: 0.3099 - accuracy:

0.9503 [.....] - ETA: 0s - loss: 0.3151 - accuracy: 283/750 [=====>.....] - ETA: 0s - loss: 0.3151 - accuracy: 0.9474 [.....] - ETA: 0s - loss: 0.3124 - accuracy: 356/750 [=====>.....] - ETA: 0s - loss: 0.3124 - accuracy: 0.9485 [.....] - ETA: 0s - loss: 0.3156 - accuracy: 427/750 [=====>.....] - ETA: 0s - loss: 0.3156 - accuracy: 0.9470 [.....] - ETA: 0s - loss: 0.3151 - accuracy: 498/750 [=====>.....] - ETA: 0s - loss: 0.3151 - accuracy: 0.9473 [.....] - ETA: 0s - loss: 0.3145 - accuracy: 569/750 [=====>.....] - ETA: 0s - loss: 0.3145 - accuracy: 0.9472 [.....] - ETA: 0s - loss: 0.3146 - accuracy: 638/750 [=====>.....] - ETA: 0s - loss: 0.3146 - accuracy: 0.9471 [.....] - ETA: 0s - loss: 0.3162 - accuracy: 707/750 [=====>..] - ETA: 0s - loss: 0.3162 - accuracy: 0.9465 [.....] - 1s 872us/step - loss: 0.3169 - accuracy: 750/750 [=====] - 1s 872us/step - loss: 0.3169 - accuracy: 0.9459 - val_loss: 0.5627 - val_accuracy: 0.8756
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.3057 - accuracy: 0.9531 [.....] - ETA: 0s - loss: 0.3172 - accuracy: 72/750 [=>.....] - ETA: 0s - loss: 0.3172 - accuracy: 0.9455 [.....] - ETA: 0s - loss: 0.3083 - accuracy: 143/750 [====>.....] - ETA: 0s - loss: 0.3083 - accuracy: 0.9491 [.....] - ETA: 0s - loss: 0.3109 - accuracy: 214/750 [=====>.....] - ETA: 0s - loss: 0.3109 - accuracy: 0.9489 [.....] - ETA: 0s - loss: 0.3090 - accuracy: 284/750 [=====>.....] - ETA: 0s - loss: 0.3090 - accuracy: 0.9491 [.....] - ETA: 0s - loss: 0.3065 - accuracy: 354/750 [=====>.....] - ETA: 0s - loss: 0.3065 - accuracy: 0.9497 [.....] - ETA: 0s - loss: 0.3109 - accuracy: 422/750 [=====>.....] - ETA: 0s - loss: 0.3109 - accuracy: 0.9483 [.....] - ETA: 0s - loss: 0.3113 - accuracy: 495/750 [=====>.....] - ETA: 0s - loss: 0.3113 - accuracy: 0.9475 [.....] - ETA: 0s - loss: 0.3133 - accuracy: 564/750 [=====>.....] - ETA: 0s - loss: 0.3133 - accuracy: 0.9472 [.....] - ETA: 0s - loss: 0.3187 - accuracy: 635/750 [=====>.....] - ETA: 0s - loss: 0.3187 - accuracy: 0.9448 [.....] - ETA: 0s - loss: 0.3161 - accuracy: 705/750 [=====>..] - ETA: 0s - loss: 0.3161 - accuracy: 0.9459 [.....] - 1s 867us/step - loss: 0.3160 - accuracy: 750/750 [=====] - 1s 867us/step - loss: 0.3160 - accuracy: 0.9458 - val_loss: 0.5580 - val_accuracy: 0.8777
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.3155 - accuracy: 0.9375 [.....] - ETA: 0s - loss: 0.3202 - accuracy: 72/750 [=>.....] - ETA: 0s - loss: 0.3202 - accuracy: 0.9416 [.....] - ETA: 0s - loss: 0.3205 - accuracy: 144/750 [====>.....] - ETA: 0s - loss: 0.3205 - accuracy:

0.9414 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3152 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3152 - accuracy:
0.9442 [=====>.....] - ETA: 0s - loss: 0.3137 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.3137 - accuracy:
0.9446 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
420/750 [=====>.....] - ETA: 0s - loss: 0.3166 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
490/750 [=====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
0.9439 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
560/750 [=====>.....] - ETA: 0s - loss: 0.3205 - accuracy:
0.9424 [=====>.....] - ETA: 0s - loss: 0.3204 - accuracy:
630/750 [=====>.....] - ETA: 0s - loss: 0.3204 - accuracy:
0.9429 [=====>.....] - ETA: 0s - loss: 0.3189 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.3189 - accuracy:
0.9436 [=====>...] - ETA: 0s - loss: 0.3184 - accuracy:
750/750 [=====] - 1s 873us/step - loss: 0.3184 - accuracy:
0.9437 - val_loss: 0.5292 - val_accuracy: 0.8854
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.3068 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.2961 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.2961 - accuracy:
0.9551 [=>.....] - ETA: 0s - loss: 0.3052 - accuracy:
138/750 [====>.....] - ETA: 0s - loss: 0.3052 - accuracy:
0.9503 [====>.....] - ETA: 0s - loss: 0.3095 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.3095 - accuracy:
0.9480 [=====>.....] - ETA: 0s - loss: 0.3074 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.3074 - accuracy:
0.9486 [=====>.....] - ETA: 0s - loss: 0.3089 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.3089 - accuracy:
0.9483 [=====>.....] - ETA: 0s - loss: 0.3106 - accuracy:
420/750 [=====>.....] - ETA: 0s - loss: 0.3106 - accuracy:
0.9475 [=====>.....] - ETA: 0s - loss: 0.3135 - accuracy:
489/750 [=====>.....] - ETA: 0s - loss: 0.3135 - accuracy:
0.9466 [=====>.....] - ETA: 0s - loss: 0.3114 - accuracy:
560/750 [=====>.....] - ETA: 0s - loss: 0.3114 - accuracy:
0.9470 [=====>.....] - ETA: 0s - loss: 0.3120 - accuracy:
631/750 [=====>.....] - ETA: 0s - loss: 0.3120 - accuracy:
0.9465 [=====>.....] - ETA: 0s - loss: 0.3127 - accuracy:
700/750 [=====>...] - ETA: 0s - loss: 0.3127 - accuracy:
0.9461 [=====>...] - ETA: 0s - loss: 0.3135 - accuracy:
750/750 [=====] - 1s 872us/step - loss: 0.3135 - accuracy:
0.9458 - val_loss: 0.5443 - val_accuracy: 0.8777
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.2334 - accuracy:
1.0000 [.....] - ETA: 0s - loss: 0.2905 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.2905 - accuracy:

0.9536 [.....] - ETA: 0s - loss: 0.2924 - accuracy:
140/750 [====>.....] - ETA: 0s - loss: 0.2924 - accuracy:
0.9538 [.....] - ETA: 0s - loss: 0.2961 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.2961 - accuracy:
0.9533 [.....] - ETA: 0s - loss: 0.2973 - accuracy:
279/750 [=====>.....] - ETA: 0s - loss: 0.2973 - accuracy:
0.9526 [.....] - ETA: 0s - loss: 0.3026 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.3026 - accuracy:
0.9511 [.....] - ETA: 0s - loss: 0.3041 - accuracy:
415/750 [=====>.....] - ETA: 0s - loss: 0.3041 - accuracy:
0.9505 [.....] - ETA: 0s - loss: 0.3103 - accuracy:
487/750 [=====>.....] - ETA: 0s - loss: 0.3103 - accuracy:
0.9477 [.....] - ETA: 0s - loss: 0.3116 - accuracy:
556/750 [=====>.....] - ETA: 0s - loss: 0.3116 - accuracy:
0.9473 [.....] - ETA: 0s - loss: 0.3124 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.3124 - accuracy:
0.9475 [.....] - ETA: 0s - loss: 0.3115 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.3115 - accuracy:
0.9478 [.....] - ETA: 0s - loss: 0.3139 - accuracy:
750/750 [=====] - 1s 885us/step - loss: 0.3139 - accuracy:
0.9469 - val_loss: 0.5604 - val_accuracy: 0.8815
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.2926 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.3210 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.3210 - accuracy:
0.9469 [.....] - ETA: 0s - loss: 0.3136 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3136 - accuracy:
0.9465 [.....] - ETA: 0s - loss: 0.3068 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3068 - accuracy:
0.9495 [.....] - ETA: 0s - loss: 0.3093 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3093 - accuracy:
0.9485 [.....] - ETA: 0s - loss: 0.3120 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.3120 - accuracy:
0.9474 [.....] - ETA: 0s - loss: 0.3124 - accuracy:
422/750 [=====>.....] - ETA: 0s - loss: 0.3124 - accuracy:
0.9466 [.....] - ETA: 0s - loss: 0.3127 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.3127 - accuracy:
0.9467 [.....] - ETA: 0s - loss: 0.3146 - accuracy:
563/750 [=====>.....] - ETA: 0s - loss: 0.3146 - accuracy:
0.9462 [.....] - ETA: 0s - loss: 0.3150 - accuracy:
633/750 [=====>.....] - ETA: 0s - loss: 0.3150 - accuracy:
0.9459 [.....] - ETA: 0s - loss: 0.3151 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.3151 - accuracy:
0.9459 [.....] - ETA: 0s - loss: 0.3173 - accuracy:
750/750 [=====] - 1s 874us/step - loss: 0.3173 - accuracy:
0.9452 - val_loss: 0.5336 - val_accuracy: 0.8812
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.2594 - accuracy:

0.9844 [.....] - ETA: 0s - loss: 0.3160 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.3160 - accuracy:
0.9470 [.....] - ETA: 0s - loss: 0.3164 - accuracy:
140/750 [====>.....] - ETA: 0s - loss: 0.3164 - accuracy:
0.9472 [.....] - ETA: 0s - loss: 0.3149 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.3149 - accuracy:
0.9472 [.....] - ETA: 0s - loss: 0.3129 - accuracy:
281/750 [=====>.....] - ETA: 0s - loss: 0.3129 - accuracy:
0.9482 [.....] - ETA: 0s - loss: 0.3121 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.3121 - accuracy:
0.9481 [.....] - ETA: 0s - loss: 0.3134 - accuracy:
421/750 [=====>.....] - ETA: 0s - loss: 0.3134 - accuracy:
0.9473 [.....] - ETA: 0s - loss: 0.3139 - accuracy:
492/750 [=====>.....] - ETA: 0s - loss: 0.3139 - accuracy:
0.9474 [.....] - ETA: 0s - loss: 0.3162 - accuracy:
564/750 [=====>.....] - ETA: 0s - loss: 0.3162 - accuracy:
0.9463 [.....] - ETA: 0s - loss: 0.3152 - accuracy:
634/750 [=====>.....] - ETA: 0s - loss: 0.3152 - accuracy:
0.9468 [.....] - ETA: 0s - loss: 0.3144 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.3144 - accuracy:
0.9468 [.....] - 1s 872us/step - loss: 0.3150 - accuracy:
750/750 [=====] - 1s 872us/step - loss: 0.3150 - accuracy:
0.9465 - val_loss: 0.5561 - val_accuracy: 0.8813
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.3430 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.3159 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.3159 - accuracy:
0.9486 [.....] - ETA: 0s - loss: 0.3220 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.3220 - accuracy:
0.9449 [.....] - ETA: 0s - loss: 0.3150 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.3150 - accuracy:
0.9465 [.....] - ETA: 0s - loss: 0.3176 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.3176 - accuracy:
0.9456 [.....] - ETA: 0s - loss: 0.3193 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.3193 - accuracy:
0.9441 [.....] - ETA: 0s - loss: 0.3162 - accuracy:
420/750 [=====>.....] - ETA: 0s - loss: 0.3162 - accuracy:
0.9460 [.....] - ETA: 0s - loss: 0.3153 - accuracy:
491/750 [=====>.....] - ETA: 0s - loss: 0.3153 - accuracy:
0.9464 [.....] - ETA: 0s - loss: 0.3151 - accuracy:
560/750 [=====>.....] - ETA: 0s - loss: 0.3151 - accuracy:
0.9461 [.....] - ETA: 0s - loss: 0.3141 - accuracy:
630/750 [=====>.....] - ETA: 0s - loss: 0.3141 - accuracy:
0.9464 [.....] - ETA: 0s - loss: 0.3159 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.3159 - accuracy:
0.9458 [.....] - 1s 868us/step - loss: 0.3169 - accuracy:
750/750 [=====] - 1s 868us/step - loss: 0.3169 - accuracy:
0.9454 - val_loss: 0.5454 - val_accuracy: 0.8778
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.2934 - accuracy: 0.9688
70/750 [=>.....] - ETA: 0s - loss: 0.3009 - accuracy: 0.9545
140/750 [====>.....] - ETA: 0s - loss: 0.3034 - accuracy: 0.9518
209/750 [=====>.....] - ETA: 0s - loss: 0.3022 - accuracy: 0.9509
281/750 [======>.....] - ETA: 0s - loss: 0.3065 - accuracy: 0.9481
351/750 [======>.....] - ETA: 0s - loss: 0.3043 - accuracy: 0.9489
422/750 [======>.....] - ETA: 0s - loss: 0.3082 - accuracy: 0.9477
494/750 [======>.....] - ETA: 0s - loss: 0.3094 - accuracy: 0.9475
564/750 [======>.....] - ETA: 0s - loss: 0.3103 - accuracy: 0.9473
636/750 [======>.....] - ETA: 0s - loss: 0.3125 - accuracy: 0.9466
709/750 [======>..] - ETA: 0s - loss: 0.3124 - accuracy: 0.9469
750/750 [=====] - 1s 861us/step - loss: 0.3123 - accuracy: 0.9470 - val_loss: 0.5605 - val_accuracy: 0.8724
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.3801 - accuracy: 0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.3161 - accuracy: 0.9478
141/750 [====>.....] - ETA: 0s - loss: 0.3339 - accuracy: 0.9415
213/750 [=====>.....] - ETA: 0s - loss: 0.3242 - accuracy: 0.9431
282/750 [======>.....] - ETA: 0s - loss: 0.3192 - accuracy: 0.9449
354/750 [======>.....] - ETA: 0s - loss: 0.3218 - accuracy: 0.9443
424/750 [======>.....] - ETA: 0s - loss: 0.3201 - accuracy: 0.9452
495/750 [======>.....] - ETA: 0s - loss: 0.3191 - accuracy: 0.9452
566/750 [======>.....] - ETA: 0s - loss: 0.3197 - accuracy: 0.9451
637/750 [======>.....] - ETA: 0s - loss: 0.3179 - accuracy: 0.9457
707/750 [======>..] - ETA: 0s - loss: 0.3185 - accuracy: 0.9454
750/750 [=====] - 1s 869us/step - loss: 0.3193 - accuracy:

0.9452 - val_loss: 0.5451 - val_accuracy: 0.8824
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.3505 - accuracy: 0.9531
70/750 [=>.....] - ETA: 0s - loss: 0.3136 - accuracy: 0.9489
141/750 [====>.....] - ETA: 0s - loss: 0.3077 - accuracy: 0.9512
213/750 [=====>.....] - ETA: 0s - loss: 0.3055 - accuracy: 0.9517
285/750 [======>.....] - ETA: 0s - loss: 0.3078 - accuracy: 0.9501
355/750 [======>.....] - ETA: 0s - loss: 0.3082 - accuracy: 0.9492
426/750 [======>.....] - ETA: 0s - loss: 0.3079 - accuracy: 0.9490
497/750 [======>.....] - ETA: 0s - loss: 0.3073 - accuracy: 0.9494
566/750 [======>.....] - ETA: 0s - loss: 0.3086 - accuracy: 0.9492
637/750 [======>.....] - ETA: 0s - loss: 0.3102 - accuracy: 0.9483
708/750 [======>..] - ETA: 0s - loss: 0.3115 - accuracy: 0.9477
750/750 [=====] - 1s 868us/step - loss: 0.3124 - accuracy: 0.9473 - val_loss: 0.5559 - val_accuracy: 0.8749

1/313 [.....] - ETA: 3s - loss: 0.4473 - accuracy: 0.8750
106/313 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy: 0.8721
208/313 [======>.....] - ETA: 0s - loss: 0.5903 - accuracy: 0.8694
310/313 [======>.] - ETA: 0s - loss: 0.5754 - accuracy: 0.8703
313/313 [=====] - 0s 494us/step - loss: 0.5753 - accuracy: 0.8700
Testing loss: 0.5752897262573242
Testing accuracy: 87.00000047683716%

Running for Model 7/12

Model: "sequential_7"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 40)	31400
hidden1 (Dense)	(None, 40)	1640

hidden2 (Dense)	(None, 40)	1640
hidden3 (Dense)	(None, 40)	1640
output_layer (Dense)	(None, 10)	410

```
=====
Total params: 36,730
Trainable params: 36,730
Non-trainable params: 0
=====
```

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 40, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 40, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 40, 'activation_function': 'relu'}, {'name': 'hidden3', 'size': 40, 'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10, 'activation_function': 'softmax'}]

Epoch 1/220

```
1/750 [.....] - ETA: 1:59 - loss: 2.5511 - accuracy:
0.0625
80/750 [==>.....] - ETA: 0s - loss: 2.5328 - accuracy: 0.0969
166/750 [====>.....] - ETA: 0s - loss: 2.5245 - accuracy:
0.1015
248/750 [=====>.....] - ETA: 0s - loss: 2.5186 - accuracy:
0.1038
331/750 [=====>.....] - ETA: 0s - loss: 2.5122 - accuracy:
0.1098
414/750 [=====>.....] - ETA: 0s - loss: 2.5066 - accuracy:
0.1160
503/750 [=====>.....] - ETA: 0s - loss: 2.5007 - accuracy:
0.1243
589/750 [=====>.....] - ETA: 0s - loss: 2.4955 - accuracy:
0.1325
673/750 [=====>....] - ETA: 0s - loss: 2.4903 - accuracy:
0.1406
750/750 [=====>====] - 1s 829us/step - loss: 2.4855 - accuracy:
0.1476 - val_loss: 2.4391 - val_accuracy: 0.2092
Epoch 2/220
```

```
1/750 [.....] - ETA: 0s - loss: 2.4321 - accuracy:
0.2656
93/750 [==>.....] - ETA: 0s - loss: 2.4274 - accuracy:
0.2310
183/750 [====>.....] - ETA: 0s - loss: 2.4197 - accuracy:
0.2409
```

274/750 [=====>.....] - ETA: 0s - loss: 2.4112 - accuracy: 0.2551
363/750 [=====>.....] - ETA: 0s - loss: 2.4028 - accuracy: 0.2664
451/750 [=====>.....] - ETA: 0s - loss: 2.3948 - accuracy: 0.2756
544/750 [=====>.....] - ETA: 0s - loss: 2.3844 - accuracy: 0.2849
632/750 [=====>.....] - ETA: 0s - loss: 2.3729 - accuracy: 0.2937
723/750 [=====>..] - ETA: 0s - loss: 2.3605 - accuracy: 0.3002
750/750 [=====] - 1s 686us/step - loss: 2.3570 - accuracy: 0.3019 - val_loss: 2.2548 - val_accuracy: 0.3462
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.2711 - accuracy: 0.2500
93/750 [==>.....] - ETA: 0s - loss: 2.2391 - accuracy: 0.3471
185/750 [=====>.....] - ETA: 0s - loss: 2.2186 - accuracy: 0.3562
274/750 [=====>.....] - ETA: 0s - loss: 2.1994 - accuracy: 0.3628
364/750 [=====>.....] - ETA: 0s - loss: 2.1805 - accuracy: 0.3683
453/750 [=====>.....] - ETA: 0s - loss: 2.1639 - accuracy: 0.3741
544/750 [=====>.....] - ETA: 0s - loss: 2.1458 - accuracy: 0.3804
638/750 [=====>.....] - ETA: 0s - loss: 2.1263 - accuracy: 0.3868
728/750 [=====>.] - ETA: 0s - loss: 2.1059 - accuracy: 0.3945
750/750 [=====] - 1s 680us/step - loss: 2.1012 - accuracy: 0.3960 - val_loss: 1.9461 - val_accuracy: 0.4486
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 1.8378 - accuracy: 0.5312
93/750 [==>.....] - ETA: 0s - loss: 1.9179 - accuracy: 0.4652
186/750 [=====>.....] - ETA: 0s - loss: 1.8919 - accuracy: 0.4754
273/750 [=====>.....] - ETA: 0s - loss: 1.8732 - accuracy: 0.4856
358/750 [=====>.....] - ETA: 0s - loss: 1.8568 - accuracy: 0.4905
446/750 [=====>.....] - ETA: 0s - loss: 1.8395 - accuracy: 0.4946

531/750 [=====>.....] - ETA: 0s - loss: 1.8181 - accuracy: 0.5024
618/750 [=====>.....] - ETA: 0s - loss: 1.7981 - accuracy: 0.5072
713/750 [=====>..] - ETA: 0s - loss: 1.7724 - accuracy: 0.5151
750/750 [=====] - 1s 693us/step - loss: 1.7639 - accuracy: 0.5175 - val_loss: 1.5858 - val_accuracy: 0.5598
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 1.5343 - accuracy: 0.5469
89/750 [==>.....] - ETA: 0s - loss: 1.5636 - accuracy: 0.5525
182/750 [=====>.....] - ETA: 0s - loss: 1.5357 - accuracy: 0.5644
275/750 [=====>.....] - ETA: 0s - loss: 1.5159 - accuracy: 0.5705
363/750 [=====>.....] - ETA: 0s - loss: 1.5010 - accuracy: 0.5723
452/750 [=====>.....] - ETA: 0s - loss: 1.4787 - accuracy: 0.5793
541/750 [=====>.....] - ETA: 0s - loss: 1.4618 - accuracy: 0.5825
628/750 [=====>.....] - ETA: 0s - loss: 1.4435 - accuracy: 0.5882
720/750 [=====>..] - ETA: 0s - loss: 1.4260 - accuracy: 0.5931
750/750 [=====] - 1s 686us/step - loss: 1.4206 - accuracy: 0.5951 - val_loss: 1.2909 - val_accuracy: 0.6371
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 1.2667 - accuracy: 0.7031
94/750 [==>.....] - ETA: 0s - loss: 1.2752 - accuracy: 0.6383
185/750 [=====>.....] - ETA: 0s - loss: 1.2587 - accuracy: 0.6430
278/750 [=====>.....] - ETA: 0s - loss: 1.2439 - accuracy: 0.6516
369/750 [=====>.....] - ETA: 0s - loss: 1.2357 - accuracy: 0.6512
460/750 [=====>.....] - ETA: 0s - loss: 1.2254 - accuracy: 0.6543
550/750 [=====>.....] - ETA: 0s - loss: 1.2192 - accuracy: 0.6556
642/750 [=====>.....] - ETA: 0s - loss: 1.2107 - accuracy: 0.6593
733/750 [=====>.] - ETA: 0s - loss: 1.2047 - accuracy: 0.6613

750/750 [=====] - 1s 678us/step - loss: 1.2038 - accuracy:
0.6612 - val_loss: 1.1380 - val_accuracy: 0.6898
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 1.2874 - accuracy:
0.6094
90/750 [==>.....] - ETA: 0s - loss: 1.1443 - accuracy:
0.6790
181/750 [=====>.....] - ETA: 0s - loss: 1.1230 - accuracy:
0.6884
270/750 [=====>.....] - ETA: 0s - loss: 1.1201 - accuracy:
0.6880
358/750 [======>.....] - ETA: 0s - loss: 1.1124 - accuracy:
0.6907
444/750 [======>.....] - ETA: 0s - loss: 1.1091 - accuracy:
0.6935
528/750 [======>.....] - ETA: 0s - loss: 1.1020 - accuracy:
0.6979
615/750 [======>.....] - ETA: 0s - loss: 1.0975 - accuracy:
0.6991
704/750 [======>..] - ETA: 0s - loss: 1.0901 - accuracy:
0.7014
750/750 [=====] - 1s 698us/step - loss: 1.0887 - accuracy:
0.7019 - val_loss: 1.0507 - val_accuracy: 0.7126
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 1.1371 - accuracy:
0.7812
91/750 [==>.....] - ETA: 0s - loss: 1.0427 - accuracy:
0.7186
181/750 [=====>.....] - ETA: 0s - loss: 1.0425 - accuracy:
0.7214
269/750 [=====>.....] - ETA: 0s - loss: 1.0429 - accuracy:
0.7173
357/750 [======>.....] - ETA: 0s - loss: 1.0343 - accuracy:
0.7205
449/750 [======>.....] - ETA: 0s - loss: 1.0296 - accuracy:
0.7220
541/750 [======>.....] - ETA: 0s - loss: 1.0232 - accuracy:
0.7242
631/750 [======>.....] - ETA: 0s - loss: 1.0209 - accuracy:
0.7239
724/750 [======>..] - ETA: 0s - loss: 1.0181 - accuracy:
0.7243
750/750 [=====] - 1s 686us/step - loss: 1.0181 - accuracy:
0.7240 - val_loss: 0.9920 - val_accuracy: 0.7303
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 0.9349 - accuracy:
0.7344

92/750 [==>.....] - ETA: 0s - loss: 0.9823 - accuracy: 0.7332
181/750 [=====>.....] - ETA: 0s - loss: 0.9852 - accuracy: 0.7318
273/750 [=====>.....] - ETA: 0s - loss: 0.9816 - accuracy: 0.7328
362/750 [=====>.....] - ETA: 0s - loss: 0.9753 - accuracy: 0.7355
452/750 [=====>.....] - ETA: 0s - loss: 0.9755 - accuracy: 0.7353
547/750 [=====>.....] - ETA: 0s - loss: 0.9726 - accuracy: 0.7362
638/750 [=====>.....] - ETA: 0s - loss: 0.9732 - accuracy: 0.7361
731/750 [=====>.....] - ETA: 0s - loss: 0.9694 - accuracy: 0.7379
750/750 [=====>.....] - 1s 720us/step - loss: 0.9696 - accuracy: 0.7378 - val_loss: 0.9508 - val_accuracy: 0.7405
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.9618 - accuracy: 0.7344
89/750 [==>.....] - ETA: 0s - loss: 0.9466 - accuracy: 0.7417
178/750 [=====>.....] - ETA: 0s - loss: 0.9366 - accuracy: 0.7470
267/750 [=====>.....] - ETA: 0s - loss: 0.9395 - accuracy: 0.7460
356/750 [=====>.....] - ETA: 0s - loss: 0.9382 - accuracy: 0.7458
446/750 [=====>.....] - ETA: 0s - loss: 0.9385 - accuracy: 0.7465
536/750 [=====>.....] - ETA: 0s - loss: 0.9385 - accuracy: 0.7472
627/750 [=====>.....] - ETA: 0s - loss: 0.9365 - accuracy: 0.7475
718/750 [=====>.....] - ETA: 0s - loss: 0.9341 - accuracy: 0.7491
750/750 [=====>.....] - 1s 686us/step - loss: 0.9339 - accuracy: 0.7489 - val_loss: 0.9181 - val_accuracy: 0.7511
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.8704 - accuracy: 0.7500
92/750 [==>.....] - ETA: 0s - loss: 0.9292 - accuracy: 0.7466
179/750 [=====>.....] - ETA: 0s - loss: 0.9342 - accuracy: 0.7448
265/750 [=====>.....] - ETA: 0s - loss: 0.9243 - accuracy: 0.7486

354/750 [=====>.....] - ETA: 0s - loss: 0.9222 - accuracy: 0.7484
445/750 [=====>.....] - ETA: 0s - loss: 0.9156 - accuracy: 0.7523
537/750 [=====>.....] - ETA: 0s - loss: 0.9146 - accuracy: 0.7525
625/750 [=====>.....] - ETA: 0s - loss: 0.9103 - accuracy: 0.7539
712/750 [=====>..] - ETA: 0s - loss: 0.9075 - accuracy: 0.7556
750/750 [=====] - 1s 694us/step - loss: 0.9061 - accuracy: 0.7561 - val_loss: 0.8947 - val_accuracy: 0.7563
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.9999 - accuracy: 0.7344
89/750 [==>.....] - ETA: 0s - loss: 0.8804 - accuracy: 0.7670
175/750 [=====>.....] - ETA: 0s - loss: 0.8902 - accuracy: 0.7613
258/750 [=====>.....] - ETA: 0s - loss: 0.8910 - accuracy: 0.7605
348/750 [=====>.....] - ETA: 0s - loss: 0.8910 - accuracy: 0.7611
441/750 [=====>.....] - ETA: 0s - loss: 0.8918 - accuracy: 0.7606
529/750 [=====>.....] - ETA: 0s - loss: 0.8891 - accuracy: 0.7617
621/750 [=====>.....] - ETA: 0s - loss: 0.8872 - accuracy: 0.7628
714/750 [=====>..] - ETA: 0s - loss: 0.8856 - accuracy: 0.7630
750/750 [=====] - 1s 690us/step - loss: 0.8848 - accuracy: 0.7633 - val_loss: 0.8756 - val_accuracy: 0.7639
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 1.0235 - accuracy: 0.7500
88/750 [==>.....] - ETA: 0s - loss: 0.8730 - accuracy: 0.7647
174/750 [=====>.....] - ETA: 0s - loss: 0.8715 - accuracy: 0.7695
264/750 [=====>.....] - ETA: 0s - loss: 0.8754 - accuracy: 0.7672
353/750 [=====>.....] - ETA: 0s - loss: 0.8754 - accuracy: 0.7669
443/750 [=====>.....] - ETA: 0s - loss: 0.8718 - accuracy: 0.7683
535/750 [=====>.....] - ETA: 0s - loss: 0.8714 - accuracy: 0.7678

627/750 [=====>.....] - ETA: 0s - loss: 0.8706 - accuracy:
0.7670
719/750 [=====>..] - ETA: 0s - loss: 0.8682 - accuracy:
0.7684
750/750 [=====] - 1s 690us/step - loss: 0.8668 - accuracy:
0.7691 - val_loss: 0.8585 - val_accuracy: 0.7690
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.8721 - accuracy:
0.7812
94/750 [==>.....] - ETA: 0s - loss: 0.8599 - accuracy:
0.7766
185/750 [=====>.....] - ETA: 0s - loss: 0.8543 - accuracy:
0.7756
275/750 [=====>.....] - ETA: 0s - loss: 0.8570 - accuracy:
0.7729
367/750 [=====>.....] - ETA: 0s - loss: 0.8536 - accuracy:
0.7747
456/750 [=====>.....] - ETA: 0s - loss: 0.8534 - accuracy:
0.7755
549/750 [=====>.....] - ETA: 0s - loss: 0.8562 - accuracy:
0.7730
639/750 [=====>.....] - ETA: 0s - loss: 0.8526 - accuracy:
0.7744
730/750 [=====>.] - ETA: 0s - loss: 0.8506 - accuracy:
0.7749
750/750 [=====] - 1s 680us/step - loss: 0.8512 - accuracy:
0.7746 - val_loss: 0.8446 - val_accuracy: 0.7751
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.9510 - accuracy:
0.7500
86/750 [==>.....] - ETA: 0s - loss: 0.8337 - accuracy:
0.7811
175/750 [=====>.....] - ETA: 0s - loss: 0.8316 - accuracy:
0.7792
264/750 [=====>.....] - ETA: 0s - loss: 0.8336 - accuracy:
0.7798
357/750 [=====>.....] - ETA: 0s - loss: 0.8366 - accuracy:
0.7781
447/750 [=====>.....] - ETA: 0s - loss: 0.8372 - accuracy:
0.7791
538/750 [=====>.....] - ETA: 0s - loss: 0.8353 - accuracy:
0.7798
631/750 [=====>.....] - ETA: 0s - loss: 0.8381 - accuracy:
0.7790
723/750 [=====>..] - ETA: 0s - loss: 0.8371 - accuracy:
0.7791
750/750 [=====] - 1s 680us/step - loss: 0.8374 - accuracy:
0.7793 - val_loss: 0.8320 - val_accuracy: 0.7782

Epoch 16/220

```
1/750 [.....] - ETA: 0s - loss: 0.7304 - accuracy:
0.8438
92/750 [==>.....] - ETA: 0s - loss: 0.8387 - accuracy:
0.7773
184/750 [=====>.....] - ETA: 0s - loss: 0.8327 - accuracy:
0.7809
277/750 [=====>.....] - ETA: 0s - loss: 0.8328 - accuracy:
0.7803
366/750 [======>.....] - ETA: 0s - loss: 0.8329 - accuracy:
0.7811
458/750 [======>.....] - ETA: 0s - loss: 0.8286 - accuracy:
0.7831
543/750 [======>.....] - ETA: 0s - loss: 0.8259 - accuracy:
0.7846
635/750 [======>.....] - ETA: 0s - loss: 0.8258 - accuracy:
0.7839
726/750 [======>..] - ETA: 0s - loss: 0.8239 - accuracy:
0.7849
750/750 [=====] - 1s 686us/step - loss: 0.8248 - accuracy:
0.7845 - val_loss: 0.8200 - val_accuracy: 0.7837
Epoch 17/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.8095 - accuracy:
0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.8175 - accuracy:
0.7880
179/750 [=====>.....] - ETA: 0s - loss: 0.8113 - accuracy:
0.7902
269/750 [=====>.....] - ETA: 0s - loss: 0.8025 - accuracy:
0.7913
355/750 [======>.....] - ETA: 0s - loss: 0.8046 - accuracy:
0.7901
444/750 [======>.....] - ETA: 0s - loss: 0.8093 - accuracy:
0.7897
536/750 [======>.....] - ETA: 0s - loss: 0.8133 - accuracy:
0.7878
628/750 [======>.....] - ETA: 0s - loss: 0.8148 - accuracy:
0.7873
722/750 [======>..] - ETA: 0s - loss: 0.8128 - accuracy:
0.7875
750/750 [=====] - 1s 690us/step - loss: 0.8130 - accuracy:
0.7875 - val_loss: 0.8095 - val_accuracy: 0.7894
Epoch 18/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.8317 - accuracy:
0.7500
87/750 [==>.....] - ETA: 0s - loss: 0.7964 - accuracy:
0.7933
```

175/750 [=====>.....] - ETA: 0s - loss: 0.8022 - accuracy: 0.7904
261/750 [=====>.....] - ETA: 0s - loss: 0.8024 - accuracy: 0.7923
349/750 [=====>.....] - ETA: 0s - loss: 0.8012 - accuracy: 0.7921
440/750 [=====>.....] - ETA: 0s - loss: 0.8025 - accuracy: 0.7915
533/750 [=====>.....] - ETA: 0s - loss: 0.8049 - accuracy: 0.7904
623/750 [=====>.....] - ETA: 0s - loss: 0.8050 - accuracy: 0.7900
715/750 [=====>..] - ETA: 0s - loss: 0.8034 - accuracy: 0.7906
750/750 [=====>] - 1s 692us/step - loss: 0.8025 - accuracy: 0.7909 - val_loss: 0.7979 - val_accuracy: 0.7925
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 1.0673 - accuracy: 0.7031
85/750 [==>.....] - ETA: 0s - loss: 0.7971 - accuracy: 0.7895
172/750 [=====>.....] - ETA: 0s - loss: 0.7952 - accuracy: 0.7931
261/750 [=====>.....] - ETA: 0s - loss: 0.7952 - accuracy: 0.7945
350/750 [=====>.....] - ETA: 0s - loss: 0.7980 - accuracy: 0.7932
443/750 [=====>.....] - ETA: 0s - loss: 0.7948 - accuracy: 0.7932
532/750 [=====>.....] - ETA: 0s - loss: 0.7941 - accuracy: 0.7943
623/750 [=====>.....] - ETA: 0s - loss: 0.7967 - accuracy: 0.7930
711/750 [=====>..] - ETA: 0s - loss: 0.7937 - accuracy: 0.7937
750/750 [=====>] - 1s 694us/step - loss: 0.7926 - accuracy: 0.7946 - val_loss: 0.7903 - val_accuracy: 0.7954
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.7322 - accuracy: 0.7656
89/750 [==>.....] - ETA: 0s - loss: 0.8037 - accuracy: 0.7893
180/750 [=====>.....] - ETA: 0s - loss: 0.7885 - accuracy: 0.7975
272/750 [=====>.....] - ETA: 0s - loss: 0.7904 - accuracy: 0.7956
363/750 [=====>.....] - ETA: 0s - loss: 0.7866 - accuracy: 0.7963

452/750 [=====>.....] - ETA: 0s - loss: 0.7839 - accuracy: 0.7973
543/750 [=====>.....] - ETA: 0s - loss: 0.7853 - accuracy: 0.7970
636/750 [=====>.....] - ETA: 0s - loss: 0.7847 - accuracy: 0.7974
728/750 [=====>.] - ETA: 0s - loss: 0.7840 - accuracy: 0.7976
750/750 [=====] - 1s 686us/step - loss: 0.7837 - accuracy: 0.7975 - val_loss: 0.7805 - val_accuracy: 0.7987
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.8140 - accuracy: 0.7500
89/750 [==>.....] - ETA: 0s - loss: 0.7794 - accuracy: 0.7960
183/750 [=====>.....] - ETA: 0s - loss: 0.7733 - accuracy: 0.7988
272/750 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy: 0.8011
362/750 [=====>.....] - ETA: 0s - loss: 0.7775 - accuracy: 0.7988
453/750 [=====>.....] - ETA: 0s - loss: 0.7770 - accuracy: 0.7992
543/750 [=====>.....] - ETA: 0s - loss: 0.7801 - accuracy: 0.7983
634/750 [=====>.....] - ETA: 0s - loss: 0.7776 - accuracy: 0.8001
726/750 [=====>.] - ETA: 0s - loss: 0.7764 - accuracy: 0.8003
750/750 [=====] - 1s 685us/step - loss: 0.7754 - accuracy: 0.8009 - val_loss: 0.7739 - val_accuracy: 0.7993
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.8264 - accuracy: 0.7969
86/750 [==>.....] - ETA: 0s - loss: 0.7669 - accuracy: 0.8029
176/750 [=====>.....] - ETA: 0s - loss: 0.7658 - accuracy: 0.8041
265/750 [=====>.....] - ETA: 0s - loss: 0.7696 - accuracy: 0.8044
355/750 [=====>.....] - ETA: 0s - loss: 0.7730 - accuracy: 0.8033
447/750 [=====>.....] - ETA: 0s - loss: 0.7747 - accuracy: 0.8031
539/750 [=====>.....] - ETA: 0s - loss: 0.7702 - accuracy: 0.8039
628/750 [=====>.....] - ETA: 0s - loss: 0.7686 - accuracy: 0.8040

719/750 [=====>..] - ETA: 0s - loss: 0.7679 - accuracy:
0.8037
750/750 [=====] - 1s 690us/step - loss: 0.7677 - accuracy:
0.8040 - val_loss: 0.7662 - val_accuracy: 0.8031
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.6380 - accuracy:
0.8906
95/750 [==>.....] - ETA: 0s - loss: 0.7442 - accuracy:
0.8082
185/750 [=====>.....] - ETA: 0s - loss: 0.7562 - accuracy:
0.8058
276/750 [=====>.....] - ETA: 0s - loss: 0.7568 - accuracy:
0.8045
365/750 [=====>.....] - ETA: 0s - loss: 0.7570 - accuracy:
0.8063
454/750 [=====>.....] - ETA: 0s - loss: 0.7595 - accuracy:
0.8052
544/750 [=====>.....] - ETA: 0s - loss: 0.7607 - accuracy:
0.8057
633/750 [=====>.....] - ETA: 0s - loss: 0.7602 - accuracy:
0.8059
723/750 [=====>..] - ETA: 0s - loss: 0.7607 - accuracy:
0.8055
750/750 [=====] - 1s 686us/step - loss: 0.7606 - accuracy:
0.8058 - val_loss: 0.7589 - val_accuracy: 0.8069
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.9087 - accuracy:
0.7812
91/750 [==>.....] - ETA: 0s - loss: 0.7524 - accuracy:
0.8118
179/750 [=====>.....] - ETA: 0s - loss: 0.7641 - accuracy:
0.8076
268/750 [=====>.....] - ETA: 0s - loss: 0.7605 - accuracy:
0.8076
359/750 [=====>.....] - ETA: 0s - loss: 0.7593 - accuracy:
0.8071
449/750 [=====>.....] - ETA: 0s - loss: 0.7600 - accuracy:
0.8070
538/750 [=====>.....] - ETA: 0s - loss: 0.7591 - accuracy:
0.8060
623/750 [=====>.....] - ETA: 0s - loss: 0.7558 - accuracy:
0.8073
710/750 [=====>..] - ETA: 0s - loss: 0.7542 - accuracy:
0.8081
750/750 [=====] - 1s 697us/step - loss: 0.7540 - accuracy:
0.8086 - val_loss: 0.7552 - val_accuracy: 0.8061
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.7450 - accuracy: 0.8090
183/750 [=====>.....] - ETA: 0s - loss: 0.7466 - accuracy: 0.8102
272/750 [=====>.....] - ETA: 0s - loss: 0.7524 - accuracy: 0.8096
362/750 [======>.....] - ETA: 0s - loss: 0.7521 - accuracy: 0.8093
452/750 [======>.....] - ETA: 0s - loss: 0.7517 - accuracy: 0.8092
543/750 [======>.....] - ETA: 0s - loss: 0.7516 - accuracy: 0.8094
633/750 [======>.....] - ETA: 0s - loss: 0.7508 - accuracy: 0.8100
722/750 [======>..] - ETA: 0s - loss: 0.7476 - accuracy: 0.8112
750/750 [=====] - 1s 692us/step - loss: 0.7480 - accuracy: 0.8108 - val_loss: 0.7474 - val_accuracy: 0.8100
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.8716 - accuracy: 0.7812
86/750 [==>.....] - ETA: 0s - loss: 0.7355 - accuracy: 0.8116
177/750 [=====>.....] - ETA: 0s - loss: 0.7466 - accuracy: 0.8099
267/750 [=====>.....] - ETA: 0s - loss: 0.7474 - accuracy: 0.8102
356/750 [======>.....] - ETA: 0s - loss: 0.7451 - accuracy: 0.8107
446/750 [======>.....] - ETA: 0s - loss: 0.7471 - accuracy: 0.8110
537/750 [======>.....] - ETA: 0s - loss: 0.7418 - accuracy: 0.8125
629/750 [======>.....] - ETA: 0s - loss: 0.7423 - accuracy: 0.8122
720/750 [======>..] - ETA: 0s - loss: 0.7430 - accuracy: 0.8124
750/750 [=====] - 1s 709us/step - loss: 0.7423 - accuracy: 0.8124 - val_loss: 0.7422 - val_accuracy: 0.8103
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.7108 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.7273 - accuracy: 0.8231
173/750 [=====>.....] - ETA: 0s - loss: 0.7297 - accuracy: 0.8212

261/750 [=====>.....] - ETA: 0s - loss: 0.7331 - accuracy: 0.8184
349/750 [=====>.....] - ETA: 0s - loss: 0.7363 - accuracy: 0.8159
439/750 [=====>.....] - ETA: 0s - loss: 0.7355 - accuracy: 0.8155
531/750 [=====>.....] - ETA: 0s - loss: 0.7341 - accuracy: 0.8154
619/750 [=====>.....] - ETA: 0s - loss: 0.7366 - accuracy: 0.8144
708/750 [=====>..] - ETA: 0s - loss: 0.7355 - accuracy: 0.8152
750/750 [=====] - 1s 700us/step - loss: 0.7369 - accuracy: 0.8148 - val_loss: 0.7368 - val_accuracy: 0.8134
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.7949 - accuracy: 0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.7436 - accuracy: 0.8151
180/750 [=====>.....] - ETA: 0s - loss: 0.7315 - accuracy: 0.8192
273/750 [=====>.....] - ETA: 0s - loss: 0.7292 - accuracy: 0.8203
364/750 [=====>.....] - ETA: 0s - loss: 0.7276 - accuracy: 0.8204
455/750 [=====>.....] - ETA: 0s - loss: 0.7286 - accuracy: 0.8196
546/750 [=====>.....] - ETA: 0s - loss: 0.7317 - accuracy: 0.8180
637/750 [=====>.....] - ETA: 0s - loss: 0.7315 - accuracy: 0.8172
727/750 [=====>.] - ETA: 0s - loss: 0.7327 - accuracy: 0.8166
750/750 [=====] - 1s 680us/step - loss: 0.7320 - accuracy: 0.8169 - val_loss: 0.7321 - val_accuracy: 0.8158
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.7551 - accuracy: 0.8281
91/750 [==>.....] - ETA: 0s - loss: 0.7232 - accuracy: 0.8147
182/750 [=====>.....] - ETA: 0s - loss: 0.7259 - accuracy: 0.8181
272/750 [=====>.....] - ETA: 0s - loss: 0.7301 - accuracy: 0.8171
362/750 [=====>.....] - ETA: 0s - loss: 0.7287 - accuracy: 0.8178
453/750 [=====>.....] - ETA: 0s - loss: 0.7254 - accuracy: 0.8190

539/750 [=====>.....] - ETA: 0s - loss: 0.7259 - accuracy: 0.8185
629/750 [=====>.....] - ETA: 0s - loss: 0.7266 - accuracy: 0.8177
719/750 [=====>..] - ETA: 0s - loss: 0.7275 - accuracy: 0.8181
750/750 [=====] - 1s 688us/step - loss: 0.7273 - accuracy: 0.8185 - val_loss: 0.7287 - val_accuracy: 0.8163
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.6993 - accuracy: 0.8125
89/750 [==>.....] - ETA: 0s - loss: 0.7039 - accuracy: 0.8279
179/750 [=====>.....] - ETA: 0s - loss: 0.7118 - accuracy: 0.8242
270/750 [=====>.....] - ETA: 0s - loss: 0.7168 - accuracy: 0.8236
360/750 [=====>.....] - ETA: 0s - loss: 0.7190 - accuracy: 0.8230
447/750 [=====>.....] - ETA: 0s - loss: 0.7217 - accuracy: 0.8224
539/750 [=====>.....] - ETA: 0s - loss: 0.7220 - accuracy: 0.8222
627/750 [=====>.....] - ETA: 0s - loss: 0.7223 - accuracy: 0.8214
719/750 [=====>..] - ETA: 0s - loss: 0.7235 - accuracy: 0.8202
750/750 [=====] - 1s 685us/step - loss: 0.7228 - accuracy: 0.8203 - val_loss: 0.7238 - val_accuracy: 0.8183
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.7464 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.7208 - accuracy: 0.8216
180/750 [=====>.....] - ETA: 0s - loss: 0.7226 - accuracy: 0.8211
267/750 [=====>.....] - ETA: 0s - loss: 0.7179 - accuracy: 0.8210
356/750 [=====>.....] - ETA: 0s - loss: 0.7189 - accuracy: 0.8207
447/750 [=====>.....] - ETA: 0s - loss: 0.7210 - accuracy: 0.8208
540/750 [=====>.....] - ETA: 0s - loss: 0.7223 - accuracy: 0.8205
628/750 [=====>.....] - ETA: 0s - loss: 0.7203 - accuracy: 0.8212
717/750 [=====>..] - ETA: 0s - loss: 0.7203 - accuracy: 0.8216

750/750 [=====] - 1s 692us/step - loss: 0.7184 - accuracy: 0.8226 - val_loss: 0.7203 - val_accuracy: 0.8189
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.8292 - accuracy: 0.8125
89/750 [==>.....] - ETA: 0s - loss: 0.7344 - accuracy: 0.8151
179/750 [=====>.....] - ETA: 0s - loss: 0.7238 - accuracy: 0.8212
268/750 [=====>.....] - ETA: 0s - loss: 0.7183 - accuracy: 0.8228
357/750 [======>.....] - ETA: 0s - loss: 0.7139 - accuracy: 0.8250
445/750 [======>.....] - ETA: 0s - loss: 0.7142 - accuracy: 0.8246
534/750 [======>.....] - ETA: 0s - loss: 0.7160 - accuracy: 0.8242
622/750 [======>.....] - ETA: 0s - loss: 0.7154 - accuracy: 0.8246
710/750 [======>..] - ETA: 0s - loss: 0.7145 - accuracy: 0.8240
750/750 [=====] - 1s 700us/step - loss: 0.7143 - accuracy: 0.8240 - val_loss: 0.7158 - val_accuracy: 0.8207
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.7347 - accuracy: 0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.7003 - accuracy: 0.8287
179/750 [=====>.....] - ETA: 0s - loss: 0.7061 - accuracy: 0.8258
266/750 [=====>.....] - ETA: 0s - loss: 0.7116 - accuracy: 0.8239
358/750 [======>.....] - ETA: 0s - loss: 0.7103 - accuracy: 0.8248
450/750 [======>.....] - ETA: 0s - loss: 0.7136 - accuracy: 0.8238
540/750 [======>.....] - ETA: 0s - loss: 0.7143 - accuracy: 0.8229
632/750 [======>.....] - ETA: 0s - loss: 0.7109 - accuracy: 0.8241
723/750 [======>..] - ETA: 0s - loss: 0.7092 - accuracy: 0.8249
750/750 [=====] - 1s 681us/step - loss: 0.7105 - accuracy: 0.8243 - val_loss: 0.7125 - val_accuracy: 0.8236
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.9126 - accuracy: 0.7188

91/750 [==>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.8352
183/750 [=====>.....] - ETA: 0s - loss: 0.6988 - accuracy: 0.8283
274/750 [=====>.....] - ETA: 0s - loss: 0.7034 - accuracy: 0.8279
366/750 [=====>.....] - ETA: 0s - loss: 0.7009 - accuracy: 0.8294
456/750 [=====>.....] - ETA: 0s - loss: 0.7010 - accuracy: 0.8293
547/750 [=====>.....] - ETA: 0s - loss: 0.7023 - accuracy: 0.8283
637/750 [=====>.....] - ETA: 0s - loss: 0.7052 - accuracy: 0.8271
729/750 [=====>.....] - ETA: 0s - loss: 0.7065 - accuracy: 0.8269
750/750 [=====>.....] - 1s 677us/step - loss: 0.7067 - accuracy: 0.8270 - val_loss: 0.7092 - val_accuracy: 0.8233
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.6676 - accuracy: 0.8594
96/750 [==>.....] - ETA: 0s - loss: 0.7147 - accuracy: 0.8270
186/750 [=====>.....] - ETA: 0s - loss: 0.7154 - accuracy: 0.8247
276/750 [=====>.....] - ETA: 0s - loss: 0.7062 - accuracy: 0.8277
364/750 [=====>.....] - ETA: 0s - loss: 0.7052 - accuracy: 0.8286
454/750 [=====>.....] - ETA: 0s - loss: 0.7038 - accuracy: 0.8289
541/750 [=====>.....] - ETA: 0s - loss: 0.7046 - accuracy: 0.8279
629/750 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy: 0.8275
722/750 [=====>.....] - ETA: 0s - loss: 0.7033 - accuracy: 0.8281
750/750 [=====>.....] - 1s 685us/step - loss: 0.7028 - accuracy: 0.8281 - val_loss: 0.7056 - val_accuracy: 0.8259
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.7006 - accuracy: 0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.8301
180/750 [=====>.....] - ETA: 0s - loss: 0.6984 - accuracy: 0.8311
269/750 [=====>.....] - ETA: 0s - loss: 0.7025 - accuracy: 0.8294

355/750 [=====>.....] - ETA: 0s - loss: 0.7022 - accuracy: 0.8291
446/750 [=====>.....] - ETA: 0s - loss: 0.7006 - accuracy: 0.8298
532/750 [=====>.....] - ETA: 0s - loss: 0.7004 - accuracy: 0.8289
617/750 [=====>.....] - ETA: 0s - loss: 0.7000 - accuracy: 0.8296
706/750 [=====>..] - ETA: 0s - loss: 0.6987 - accuracy: 0.8297
750/750 [=====] - 1s 693us/step - loss: 0.6998 - accuracy: 0.8292 - val_loss: 0.7024 - val_accuracy: 0.8268
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.5353 - accuracy: 0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.6914 - accuracy: 0.8345
186/750 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy: 0.8371
276/750 [=====>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.8320
368/750 [=====>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.8325
459/750 [=====>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.8312
551/750 [=====>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.8301
643/750 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.8297
735/750 [=====>..] - ETA: 0s - loss: 0.6959 - accuracy: 0.8303
750/750 [=====] - 1s 673us/step - loss: 0.6964 - accuracy: 0.8303 - val_loss: 0.7008 - val_accuracy: 0.8281
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.8281
91/750 [==>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.8398
182/750 [=====>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.8380
272/750 [=====>.....] - ETA: 0s - loss: 0.6878 - accuracy: 0.8339
366/750 [=====>.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.8347
458/750 [=====>.....] - ETA: 0s - loss: 0.6886 - accuracy: 0.8342
549/750 [=====>.....] - ETA: 0s - loss: 0.6913 - accuracy: 0.8336

640/750 [=====>.....] - ETA: 0s - loss: 0.6919 - accuracy:
0.8330
732/750 [=====>.] - ETA: 0s - loss: 0.6937 - accuracy:
0.8317
750/750 [=====] - 1s 676us/step - loss: 0.6930 - accuracy:
0.8318 - val_loss: 0.6974 - val_accuracy: 0.8291
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.6510 - accuracy:
0.8438
92/750 [==>.....] - ETA: 0s - loss: 0.7017 - accuracy:
0.8259
181/750 [=====>.....] - ETA: 0s - loss: 0.6951 - accuracy:
0.8281
272/750 [=====>.....] - ETA: 0s - loss: 0.6900 - accuracy:
0.8304
364/750 [=====>.....] - ETA: 0s - loss: 0.6937 - accuracy:
0.8299
454/750 [=====>.....] - ETA: 0s - loss: 0.6931 - accuracy:
0.8303
545/750 [=====>.....] - ETA: 0s - loss: 0.6911 - accuracy:
0.8315
637/750 [=====>.....] - ETA: 0s - loss: 0.6912 - accuracy:
0.8315
728/750 [=====>.] - ETA: 0s - loss: 0.6901 - accuracy:
0.8322
750/750 [=====] - 1s 676us/step - loss: 0.6899 - accuracy:
0.8322 - val_loss: 0.6947 - val_accuracy: 0.8290
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.7715 - accuracy:
0.7812
93/750 [==>.....] - ETA: 0s - loss: 0.6818 - accuracy:
0.8406
188/750 [=====>.....] - ETA: 0s - loss: 0.6905 - accuracy:
0.8374
276/750 [=====>.....] - ETA: 0s - loss: 0.6934 - accuracy:
0.8338
365/750 [=====>.....] - ETA: 0s - loss: 0.6954 - accuracy:
0.8315
455/750 [=====>.....] - ETA: 0s - loss: 0.6929 - accuracy:
0.8318
544/750 [=====>.....] - ETA: 0s - loss: 0.6917 - accuracy:
0.8318
638/750 [=====>.....] - ETA: 0s - loss: 0.6899 - accuracy:
0.8322
729/750 [=====>.] - ETA: 0s - loss: 0.6876 - accuracy:
0.8328
750/750 [=====] - 1s 677us/step - loss: 0.6870 - accuracy:
0.8333 - val_loss: 0.6915 - val_accuracy: 0.8328

Epoch 41/220

```
1/750 [.....] - ETA: 0s - loss: 0.6475 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.7009 - accuracy: 0.8278
175/750 [=====>.....] - ETA: 0s - loss: 0.6894 - accuracy: 0.8323
263/750 [=====>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.8337
350/750 [======>.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.8346
438/750 [======>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.8346
527/750 [======>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.8341
617/750 [======>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.8339
708/750 [======>..] - ETA: 0s - loss: 0.6856 - accuracy: 0.8347
750/750 [=====] - 1s 705us/step - loss: 0.6841 - accuracy: 0.8351 - val_loss: 0.6892 - val_accuracy: 0.8326
Epoch 42/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5554 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.8439
179/750 [=====>.....] - ETA: 0s - loss: 0.6716 - accuracy: 0.8394
271/750 [=====>.....] - ETA: 0s - loss: 0.6821 - accuracy: 0.8337
362/750 [======>.....] - ETA: 0s - loss: 0.6818 - accuracy: 0.8350
453/750 [======>.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.8350
544/750 [======>.....] - ETA: 0s - loss: 0.6812 - accuracy: 0.8363
635/750 [======>.....] - ETA: 0s - loss: 0.6812 - accuracy: 0.8358
725/750 [======>..] - ETA: 0s - loss: 0.6827 - accuracy: 0.8348
750/750 [=====] - 1s 682us/step - loss: 0.6815 - accuracy: 0.8352 - val_loss: 0.6864 - val_accuracy: 0.8328
Epoch 43/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7204 - accuracy: 0.8125
92/750 [==>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.8451
```


181/750 [=====>.....] - ETA: 0s - loss: 0.6606 - accuracy: 0.8455
274/750 [=====>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.8440
363/750 [=====>.....] - ETA: 0s - loss: 0.6641 - accuracy: 0.8421
452/750 [=====>.....] - ETA: 0s - loss: 0.6700 - accuracy: 0.8392
545/750 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.8377
634/750 [=====>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.8377
727/750 [=====>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.8367
750/750 [=====>.....] - 1s 678us/step - loss: 0.6787 - accuracy: 0.8368 - val_loss: 0.6850 - val_accuracy: 0.8355
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.9326 - accuracy: 0.8438
91/750 [==>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.8391
181/750 [=====>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.8398
271/750 [=====>.....] - ETA: 0s - loss: 0.6673 - accuracy: 0.8397
362/750 [=====>.....] - ETA: 0s - loss: 0.6697 - accuracy: 0.8388
449/750 [=====>.....] - ETA: 0s - loss: 0.6746 - accuracy: 0.8372
541/750 [=====>.....] - ETA: 0s - loss: 0.6759 - accuracy: 0.8370
632/750 [=====>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.8378
719/750 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy: 0.8374
750/750 [=====>.....] - 1s 689us/step - loss: 0.6762 - accuracy: 0.8377 - val_loss: 0.6818 - val_accuracy: 0.8345
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.7024 - accuracy: 0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.8390
172/750 [=====>.....] - ETA: 0s - loss: 0.6818 - accuracy: 0.8360
258/750 [=====>.....] - ETA: 0s - loss: 0.6784 - accuracy: 0.8370
346/750 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.8382

433/750 [=====>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.8385
517/750 [=====>.....] - ETA: 0s - loss: 0.6738 - accuracy: 0.8392
605/750 [=====>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.8400
696/750 [=====>...] - ETA: 0s - loss: 0.6736 - accuracy: 0.8388
750/750 [=====] - 1s 705us/step - loss: 0.6737 - accuracy: 0.8392 - val_loss: 0.6800 - val_accuracy: 0.8353
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.8468
178/750 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy: 0.8423
266/750 [=====>.....] - ETA: 0s - loss: 0.6734 - accuracy: 0.8396
353/750 [=====>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.8381
438/750 [=====>.....] - ETA: 0s - loss: 0.6714 - accuracy: 0.8401
517/750 [=====>.....] - ETA: 0s - loss: 0.6717 - accuracy: 0.8400
608/750 [=====>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.8398
696/750 [=====>...] - ETA: 0s - loss: 0.6719 - accuracy: 0.8397
750/750 [=====] - 1s 710us/step - loss: 0.6711 - accuracy: 0.8399 - val_loss: 0.6772 - val_accuracy: 0.8375
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.7131 - accuracy: 0.8281
85/750 [==>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.8449
176/750 [=====>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.8477
263/750 [=====>.....] - ETA: 0s - loss: 0.6606 - accuracy: 0.8464
350/750 [=====>.....] - ETA: 0s - loss: 0.6656 - accuracy: 0.8429
441/750 [=====>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.8414
528/750 [=====>.....] - ETA: 0s - loss: 0.6671 - accuracy: 0.8414
616/750 [=====>.....] - ETA: 0s - loss: 0.6661 - accuracy: 0.8418

702/750 [=====>..] - ETA: 0s - loss: 0.6685 - accuracy:
0.8405
750/750 [=====] - 1s 705us/step - loss: 0.6689 - accuracy:
0.8406 - val_loss: 0.6774 - val_accuracy: 0.8360
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.6490 - accuracy:
0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8538
175/750 [=====>.....] - ETA: 0s - loss: 0.6556 - accuracy:
0.8474
261/750 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
0.8451
350/750 [=====>.....] - ETA: 0s - loss: 0.6593 - accuracy:
0.8438
436/750 [=====>.....] - ETA: 0s - loss: 0.6620 - accuracy:
0.8420
527/750 [=====>.....] - ETA: 0s - loss: 0.6660 - accuracy:
0.8413
615/750 [=====>.....] - ETA: 0s - loss: 0.6660 - accuracy:
0.8415
704/750 [=====>..] - ETA: 0s - loss: 0.6679 - accuracy:
0.8410
750/750 [=====] - 1s 704us/step - loss: 0.6667 - accuracy:
0.8413 - val_loss: 0.6744 - val_accuracy: 0.8387
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.8524 - accuracy:
0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.6759 - accuracy:
0.8368
175/750 [=====>.....] - ETA: 0s - loss: 0.6752 - accuracy:
0.8376
263/750 [=====>.....] - ETA: 0s - loss: 0.6767 - accuracy:
0.8373
350/750 [=====>.....] - ETA: 0s - loss: 0.6735 - accuracy:
0.8403
441/750 [=====>.....] - ETA: 0s - loss: 0.6705 - accuracy:
0.8411
533/750 [=====>.....] - ETA: 0s - loss: 0.6663 - accuracy:
0.8423
615/750 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy:
0.8413
706/750 [=====>..] - ETA: 0s - loss: 0.6653 - accuracy:
0.8418
750/750 [=====] - 1s 694us/step - loss: 0.6647 - accuracy:
0.8421 - val_loss: 0.6707 - val_accuracy: 0.8392
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.8281
93/750 [==>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.8421
184/750 [=====>.....] - ETA: 0s - loss: 0.6643 - accuracy: 0.8389
276/750 [=====>.....] - ETA: 0s - loss: 0.6622 - accuracy: 0.8411
370/750 [======>.....] - ETA: 0s - loss: 0.6650 - accuracy: 0.8412
461/750 [======>.....] - ETA: 0s - loss: 0.6668 - accuracy: 0.8413
549/750 [======>.....] - ETA: 0s - loss: 0.6660 - accuracy: 0.8407
638/750 [======>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.8412
726/750 [======>..] - ETA: 0s - loss: 0.6630 - accuracy: 0.8421
750/750 [=====] - 1s 680us/step - loss: 0.6623 - accuracy: 0.8425 - val_loss: 0.6699 - val_accuracy: 0.8398
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.7577 - accuracy: 0.7969
89/750 [==>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.8416
180/750 [=====>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.8425
269/750 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy: 0.8412
358/750 [=====>.....] - ETA: 0s - loss: 0.6636 - accuracy: 0.8403
448/750 [=====>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.8410
538/750 [=====>.....] - ETA: 0s - loss: 0.6619 - accuracy: 0.8416
630/750 [=====>.....] - ETA: 0s - loss: 0.6614 - accuracy: 0.8422
721/750 [=====>..] - ETA: 0s - loss: 0.6612 - accuracy: 0.8420
750/750 [=====] - 1s 685us/step - loss: 0.6602 - accuracy: 0.8422 - val_loss: 0.6679 - val_accuracy: 0.8410
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.6624 - accuracy: 0.8384
179/750 [=====>.....] - ETA: 0s - loss: 0.6592 - accuracy: 0.8438

271/750 [=====>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.8442
365/750 [=====>.....] - ETA: 0s - loss: 0.6607 - accuracy: 0.8428
457/750 [=====>.....] - ETA: 0s - loss: 0.6616 - accuracy: 0.8433
548/750 [=====>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.8432
640/750 [=====>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.8429
734/750 [=====>.] - ETA: 0s - loss: 0.6585 - accuracy: 0.8440
750/750 [=====] - 1s 673us/step - loss: 0.6579 - accuracy: 0.8443 - val_loss: 0.6662 - val_accuracy: 0.8406
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.7621 - accuracy: 0.7812
93/750 [==>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.8468
183/750 [=====>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.8435
276/750 [=====>.....] - ETA: 0s - loss: 0.6627 - accuracy: 0.8401
371/750 [=====>.....] - ETA: 0s - loss: 0.6612 - accuracy: 0.8424
462/750 [=====>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.8438
556/750 [=====>.....] - ETA: 0s - loss: 0.6576 - accuracy: 0.8436
650/750 [=====>....] - ETA: 0s - loss: 0.6571 - accuracy: 0.8441
743/750 [=====>.] - ETA: 0s - loss: 0.6559 - accuracy: 0.8450
750/750 [=====] - 1s 672us/step - loss: 0.6560 - accuracy: 0.8450 - val_loss: 0.6631 - val_accuracy: 0.8434
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.6633 - accuracy: 0.8438
92/750 [==>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.8427
183/750 [=====>.....] - ETA: 0s - loss: 0.6565 - accuracy: 0.8465
274/750 [=====>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.8467
367/750 [=====>.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.8465
460/750 [=====>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8456

554/750 [=====>.....] - ETA: 0s - loss: 0.6557 - accuracy: 0.8448
642/750 [=====>.....] - ETA: 0s - loss: 0.6552 - accuracy: 0.8450
738/750 [=====>.] - ETA: 0s - loss: 0.6539 - accuracy: 0.8459
750/750 [=====] - 1s 670us/step - loss: 0.6540 - accuracy: 0.8456 - val_loss: 0.6637 - val_accuracy: 0.8422
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.6302 - accuracy: 0.8594
93/750 [==>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.8483
185/750 [=====>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.8435
277/750 [=====>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.8436
371/750 [=====>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.8437
464/750 [=====>.....] - ETA: 0s - loss: 0.6523 - accuracy: 0.8448
561/750 [=====>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.8458
653/750 [=====>....] - ETA: 0s - loss: 0.6523 - accuracy: 0.8446
747/750 [=====>.] - ETA: 0s - loss: 0.6520 - accuracy: 0.8456
750/750 [=====] - 0s 662us/step - loss: 0.6520 - accuracy: 0.8456 - val_loss: 0.6606 - val_accuracy: 0.8435
Epoch 56/220

1/750 [.....] - ETA: 2s - loss: 0.7497 - accuracy: 0.7969
92/750 [==>.....] - ETA: 0s - loss: 0.6573 - accuracy: 0.8395
182/750 [=====>.....] - ETA: 0s - loss: 0.6457 - accuracy: 0.8476
276/750 [=====>.....] - ETA: 0s - loss: 0.6441 - accuracy: 0.8481
370/750 [=====>.....] - ETA: 0s - loss: 0.6500 - accuracy: 0.8457
463/750 [=====>.....] - ETA: 0s - loss: 0.6519 - accuracy: 0.8460
559/750 [=====>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.8471
655/750 [=====>....] - ETA: 0s - loss: 0.6502 - accuracy: 0.8470
747/750 [=====>.] - ETA: 0s - loss: 0.6503 - accuracy: 0.8468

750/750 [=====] - 0s 662us/step - loss: 0.6501 - accuracy: 0.8468 - val_loss: 0.6598 - val_accuracy: 0.8436
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.6477 - accuracy: 0.8469
182/750 [=====>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.8474
278/750 [=====>.....] - ETA: 0s - loss: 0.6565 - accuracy: 0.8436
371/750 [======>.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.8457
464/750 [======>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.8452
558/750 [======>.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.8464
650/750 [======>....] - ETA: 0s - loss: 0.6479 - accuracy: 0.8479
741/750 [======>.] - ETA: 0s - loss: 0.6484 - accuracy: 0.8472
750/750 [=====] - 1s 670us/step - loss: 0.6484 - accuracy: 0.8472 - val_loss: 0.6585 - val_accuracy: 0.8434
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.5195 - accuracy: 0.8906
95/750 [==>.....] - ETA: 0s - loss: 0.6334 - accuracy: 0.8531
184/750 [=====>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.8502
275/750 [=====>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.8513
370/750 [======>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.8498
465/750 [======>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.8494
557/750 [======>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8496
648/750 [======>....] - ETA: 0s - loss: 0.6459 - accuracy: 0.8485
740/750 [======>.] - ETA: 0s - loss: 0.6466 - accuracy: 0.8479
750/750 [=====] - 1s 674us/step - loss: 0.6464 - accuracy: 0.8477 - val_loss: 0.6558 - val_accuracy: 0.8444
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.7505 - accuracy: 0.7812

92/750 [==>.....] - ETA: 0s - loss: 0.6429 - accuracy: 0.8488
182/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8503
270/750 [=====>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.8497
361/750 [=====>.....] - ETA: 0s - loss: 0.6410 - accuracy: 0.8490
448/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8492
540/750 [=====>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.8481
632/750 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8484
722/750 [=====>..] - ETA: 0s - loss: 0.6447 - accuracy: 0.8489
750/750 [=====>] - 1s 686us/step - loss: 0.6448 - accuracy: 0.8490 - val_loss: 0.6534 - val_accuracy: 0.8457
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.5954 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.6417 - accuracy: 0.8550
174/750 [=====>.....] - ETA: 0s - loss: 0.6376 - accuracy: 0.8526
258/750 [=====>.....] - ETA: 0s - loss: 0.6331 - accuracy: 0.8527
343/750 [=====>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.8517
430/750 [=====>.....] - ETA: 0s - loss: 0.6387 - accuracy: 0.8504
518/750 [=====>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.8504
607/750 [=====>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.8501
694/750 [=====>...] - ETA: 0s - loss: 0.6429 - accuracy: 0.8495
750/750 [=====>] - 1s 712us/step - loss: 0.6427 - accuracy: 0.8494 - val_loss: 0.6539 - val_accuracy: 0.8450
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.5876 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6429 - accuracy: 0.8484
174/750 [=====>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.8493
260/750 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.8482

347/750 [=====>.....] - ETA: 0s - loss: 0.6451 - accuracy: 0.8483
436/750 [=====>.....] - ETA: 0s - loss: 0.6434 - accuracy: 0.8483
525/750 [=====>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.8485
612/750 [=====>.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.8492
701/750 [=====>..] - ETA: 0s - loss: 0.6411 - accuracy: 0.8492
750/750 [=====] - 1s 708us/step - loss: 0.6411 - accuracy: 0.8495 - val_loss: 0.6528 - val_accuracy: 0.8454
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.6330 - accuracy: 0.8438
84/750 [==>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.8521
173/750 [=====>.....] - ETA: 0s - loss: 0.6412 - accuracy: 0.8501
264/750 [=====>.....] - ETA: 0s - loss: 0.6468 - accuracy: 0.8480
356/750 [=====>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.8497
447/750 [=====>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.8507
541/750 [=====>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.8508
631/750 [=====>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.8502
724/750 [=====>..] - ETA: 0s - loss: 0.6397 - accuracy: 0.8502
750/750 [=====] - 1s 678us/step - loss: 0.6393 - accuracy: 0.8500 - val_loss: 0.6517 - val_accuracy: 0.8441
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.7969
94/750 [==>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8511
186/750 [=====>.....] - ETA: 0s - loss: 0.6456 - accuracy: 0.8475
279/750 [=====>.....] - ETA: 0s - loss: 0.6428 - accuracy: 0.8481
373/750 [=====>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.8502
464/750 [=====>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.8500
559/750 [=====>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.8500

650/750 [=====>....] - ETA: 0s - loss: 0.6392 - accuracy: 0.8501
741/750 [=====>.] - ETA: 0s - loss: 0.6382 - accuracy: 0.8501
750/750 [=====] - 1s 674us/step - loss: 0.6379 - accuracy: 0.8501 - val_loss: 0.6473 - val_accuracy: 0.8475
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.4856 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8544
174/750 [====>.....] - ETA: 0s - loss: 0.6489 - accuracy: 0.8473
264/750 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8491
353/750 [=====>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.8497
445/750 [=====>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.8502
533/750 [=====>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.8496
621/750 [=====>.....] - ETA: 0s - loss: 0.6396 - accuracy: 0.8497
709/750 [=====>..] - ETA: 0s - loss: 0.6367 - accuracy: 0.8504
750/750 [=====] - 1s 696us/step - loss: 0.6362 - accuracy: 0.8505 - val_loss: 0.6469 - val_accuracy: 0.8462
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.7420 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.6494 - accuracy: 0.8474
180/750 [====>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.8540
268/750 [=====>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.8526
354/750 [=====>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.8511
444/750 [=====>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8508
534/750 [=====>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.8514
621/750 [=====>.....] - ETA: 0s - loss: 0.6331 - accuracy: 0.8509
710/750 [=====>..] - ETA: 0s - loss: 0.6341 - accuracy: 0.8513
750/750 [=====] - 1s 696us/step - loss: 0.6344 - accuracy: 0.8514 - val_loss: 0.6454 - val_accuracy: 0.8484

Epoch 66/220

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1/750 [.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.8468
181/750 [=====>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.8505
273/750 [=====>.....] - ETA: 0s - loss: 0.6361 - accuracy: 0.8500
364/750 [======>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.8510
454/750 [======>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.8528
548/750 [======>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.8532
636/750 [======>.....] - ETA: 0s - loss: 0.6289 - accuracy: 0.8530
726/750 [======>.] - ETA: 0s - loss: 0.6323 - accuracy: 0.8521
750/750 [=====] - 1s 684us/step - loss: 0.6327 - accuracy: 0.8520 - val_loss: 0.6441 - val_accuracy: 0.8473
Epoch 67/220
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1/750 [.....] - ETA: 0s - loss: 0.6092 - accuracy: 0.8906
91/750 [==>.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.8520
184/750 [=====>.....] - ETA: 0s - loss: 0.6344 - accuracy: 0.8544
275/750 [=====>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.8548
367/750 [======>.....] - ETA: 0s - loss: 0.6301 - accuracy: 0.8557
456/750 [======>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.8539
549/750 [======>.....] - ETA: 0s - loss: 0.6305 - accuracy: 0.8545
642/750 [======>.....] - ETA: 0s - loss: 0.6314 - accuracy: 0.8536
734/750 [======>.] - ETA: 0s - loss: 0.6318 - accuracy: 0.8525
750/750 [=====] - 1s 678us/step - loss: 0.6313 - accuracy: 0.8526 - val_loss: 0.6445 - val_accuracy: 0.8482
Epoch 68/220
```

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1/750 [.....] - ETA: 0s - loss: 0.5844 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.8463
```

179/750 [=====>.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.8499
261/750 [=====>.....] - ETA: 0s - loss: 0.6332 - accuracy: 0.8491
348/750 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy: 0.8508
441/750 [=====>.....] - ETA: 0s - loss: 0.6329 - accuracy: 0.8492
531/750 [=====>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.8510
623/750 [=====>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.8513
713/750 [=====>..] - ETA: 0s - loss: 0.6298 - accuracy: 0.8524
750/750 [=====>] - 1s 693us/step - loss: 0.6295 - accuracy: 0.8525 - val_loss: 0.6432 - val_accuracy: 0.8478
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.5005 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.6429 - accuracy: 0.8455
187/750 [=====>.....] - ETA: 0s - loss: 0.6312 - accuracy: 0.8504
277/750 [=====>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.8537
368/750 [=====>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.8524
461/750 [=====>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.8525
550/750 [=====>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.8535
633/750 [=====>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.8537
720/750 [=====>..] - ETA: 0s - loss: 0.6268 - accuracy: 0.8532
750/750 [=====>] - 1s 690us/step - loss: 0.6281 - accuracy: 0.8534 - val_loss: 0.6401 - val_accuracy: 0.8492
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.8125
92/750 [==>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.8534
182/750 [=====>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.8528
273/750 [=====>.....] - ETA: 0s - loss: 0.6289 - accuracy: 0.8545
361/750 [=====>.....] - ETA: 0s - loss: 0.6292 - accuracy: 0.8545

454/750 [=====>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.8544
546/750 [=====>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.8541
639/750 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.8542
732/750 [=====>.] - ETA: 0s - loss: 0.6272 - accuracy: 0.8539
750/750 [=====] - 1s 677us/step - loss: 0.6267 - accuracy: 0.8539 - val_loss: 0.6386 - val_accuracy: 0.8497
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.8281
93/750 [==>.....] - ETA: 0s - loss: 0.6301 - accuracy: 0.8481
185/750 [=====>.....] - ETA: 0s - loss: 0.6185 - accuracy: 0.8536
280/750 [=====>.....] - ETA: 0s - loss: 0.6200 - accuracy: 0.8559
374/750 [=====>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.8548
466/750 [=====>.....] - ETA: 0s - loss: 0.6249 - accuracy: 0.8537
557/750 [=====>.....] - ETA: 0s - loss: 0.6242 - accuracy: 0.8540
646/750 [=====>.....] - ETA: 0s - loss: 0.6259 - accuracy: 0.8535
739/750 [=====>.] - ETA: 0s - loss: 0.6239 - accuracy: 0.8544
750/750 [=====] - 1s 681us/step - loss: 0.6250 - accuracy: 0.8540 - val_loss: 0.6382 - val_accuracy: 0.8512
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.8438
81/750 [==>.....] - ETA: 0s - loss: 0.6053 - accuracy: 0.8607
171/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy: 0.8553
262/750 [=====>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.8547
352/750 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.8532
443/750 [=====>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.8549
534/750 [=====>.....] - ETA: 0s - loss: 0.6200 - accuracy: 0.8556
628/750 [=====>.....] - ETA: 0s - loss: 0.6213 - accuracy: 0.8559

718/750 [=====>..] - ETA: 0s - loss: 0.6241 - accuracy:
0.8547
750/750 [=====] - 1s 685us/step - loss: 0.6237 - accuracy:
0.8550 - val_loss: 0.6359 - val_accuracy: 0.8512
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.5687 - accuracy:
0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.6046 - accuracy:
0.8592
183/750 [=====>.....] - ETA: 0s - loss: 0.6146 - accuracy:
0.8585
273/750 [=====>.....] - ETA: 0s - loss: 0.6168 - accuracy:
0.8577
364/750 [=====>.....] - ETA: 0s - loss: 0.6155 - accuracy:
0.8578
459/750 [=====>.....] - ETA: 0s - loss: 0.6173 - accuracy:
0.8570
547/750 [=====>.....] - ETA: 0s - loss: 0.6210 - accuracy:
0.8554
640/750 [=====>.....] - ETA: 0s - loss: 0.6223 - accuracy:
0.8543
734/750 [=====>..] - ETA: 0s - loss: 0.6222 - accuracy:
0.8546
750/750 [=====] - 1s 673us/step - loss: 0.6222 - accuracy:
0.8548 - val_loss: 0.6344 - val_accuracy: 0.8518
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.5412 - accuracy:
0.8750
93/750 [==>.....] - ETA: 0s - loss: 0.6044 - accuracy:
0.8641
179/750 [=====>.....] - ETA: 0s - loss: 0.6170 - accuracy:
0.8576
264/750 [=====>.....] - ETA: 0s - loss: 0.6144 - accuracy:
0.8599
351/750 [=====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8584
436/750 [=====>.....] - ETA: 0s - loss: 0.6196 - accuracy:
0.8584
530/750 [=====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8569
621/750 [=====>.....] - ETA: 0s - loss: 0.6218 - accuracy:
0.8555
713/750 [=====>..] - ETA: 0s - loss: 0.6205 - accuracy:
0.8552
750/750 [=====] - 1s 692us/step - loss: 0.6209 - accuracy:
0.8549 - val_loss: 0.6361 - val_accuracy: 0.8503
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.8438
94/750 [==>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.8536
185/750 [=====>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.8557
275/750 [=====>.....] - ETA: 0s - loss: 0.6204 - accuracy: 0.8569
364/750 [======>.....] - ETA: 0s - loss: 0.6200 - accuracy: 0.8564
453/750 [======>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.8557
542/750 [======>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.8563
625/750 [======>.....] - ETA: 0s - loss: 0.6187 - accuracy: 0.8558
707/750 [======>..] - ETA: 0s - loss: 0.6188 - accuracy: 0.8558
750/750 [=====] - 1s 702us/step - loss: 0.6193 - accuracy: 0.8555 - val_loss: 0.6343 - val_accuracy: 0.8503
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.6812 - accuracy: 0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.8627
179/750 [=====>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.8587
269/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.8578
360/750 [======>.....] - ETA: 0s - loss: 0.6149 - accuracy: 0.8580
447/750 [======>.....] - ETA: 0s - loss: 0.6152 - accuracy: 0.8577
536/750 [======>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.8564
623/750 [======>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.8573
712/750 [======>..] - ETA: 0s - loss: 0.6180 - accuracy: 0.8556
750/750 [=====] - 1s 690us/step - loss: 0.6179 - accuracy: 0.8558 - val_loss: 0.6308 - val_accuracy: 0.8527
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.7184 - accuracy: 0.8281
88/750 [==>.....] - ETA: 0s - loss: 0.6101 - accuracy: 0.8597
179/750 [=====>.....] - ETA: 0s - loss: 0.6161 - accuracy: 0.8582

267/750 [=====>.....] - ETA: 0s - loss: 0.6149 - accuracy: 0.8584
354/750 [=====>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.8569
443/750 [=====>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.8560
531/750 [=====>.....] - ETA: 0s - loss: 0.6181 - accuracy: 0.8560
619/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.8568
710/750 [=====>..] - ETA: 0s - loss: 0.6154 - accuracy: 0.8570
750/750 [=====] - 1s 698us/step - loss: 0.6163 - accuracy: 0.8566 - val_loss: 0.6292 - val_accuracy: 0.8522
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.8219 - accuracy: 0.7656
91/750 [==>.....] - ETA: 0s - loss: 0.6224 - accuracy: 0.8498
181/750 [=====>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.8550
269/750 [=====>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.8576
355/750 [=====>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.8592
445/750 [=====>.....] - ETA: 0s - loss: 0.6113 - accuracy: 0.8573
533/750 [=====>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8571
622/750 [=====>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.8570
707/750 [=====>..] - ETA: 0s - loss: 0.6164 - accuracy: 0.8560
750/750 [=====] - 1s 698us/step - loss: 0.6150 - accuracy: 0.8569 - val_loss: 0.6310 - val_accuracy: 0.8516
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.8281
93/750 [==>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.8505
182/750 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.8522
270/750 [=====>.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.8527
363/750 [=====>.....] - ETA: 0s - loss: 0.6226 - accuracy: 0.8537
452/750 [=====>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.8544

543/750 [=====>.....] - ETA: 0s - loss: 0.6152 - accuracy: 0.8564
632/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy: 0.8563
718/750 [=====>..] - ETA: 0s - loss: 0.6145 - accuracy: 0.8568
750/750 [=====] - 1s 692us/step - loss: 0.6139 - accuracy: 0.8568 - val_loss: 0.6268 - val_accuracy: 0.8537
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.4817 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8562
180/750 [=====>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.8567
267/750 [=====>.....] - ETA: 0s - loss: 0.6147 - accuracy: 0.8569
354/750 [=====>.....] - ETA: 0s - loss: 0.6149 - accuracy: 0.8569
442/750 [=====>.....] - ETA: 0s - loss: 0.6138 - accuracy: 0.8576
531/750 [=====>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.8568
618/750 [=====>.....] - ETA: 0s - loss: 0.6142 - accuracy: 0.8572
704/750 [=====>..] - ETA: 0s - loss: 0.6114 - accuracy: 0.8581
750/750 [=====] - 1s 701us/step - loss: 0.6123 - accuracy: 0.8580 - val_loss: 0.6262 - val_accuracy: 0.8529
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8601
179/750 [=====>.....] - ETA: 0s - loss: 0.5997 - accuracy: 0.8627
265/750 [=====>.....] - ETA: 0s - loss: 0.6050 - accuracy: 0.8613
355/750 [=====>.....] - ETA: 0s - loss: 0.6095 - accuracy: 0.8595
443/750 [=====>.....] - ETA: 0s - loss: 0.6109 - accuracy: 0.8594
532/750 [=====>.....] - ETA: 0s - loss: 0.6118 - accuracy: 0.8586
619/750 [=====>.....] - ETA: 0s - loss: 0.6095 - accuracy: 0.8591
710/750 [=====>..] - ETA: 0s - loss: 0.6117 - accuracy: 0.8576

750/750 [=====] - 1s 698us/step - loss: 0.6110 - accuracy: 0.8575 - val_loss: 0.6265 - val_accuracy: 0.8532
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.4107 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.8570
175/750 [=====>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.8528
265/750 [=====>.....] - ETA: 0s - loss: 0.6204 - accuracy: 0.8535
351/750 [======>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.8553
439/750 [======>.....] - ETA: 0s - loss: 0.6153 - accuracy: 0.8565
530/750 [======>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.8569
618/750 [======>.....] - ETA: 0s - loss: 0.6127 - accuracy: 0.8572
709/750 [======>..] - ETA: 0s - loss: 0.6107 - accuracy: 0.8582
750/750 [=====] - 1s 701us/step - loss: 0.6099 - accuracy: 0.8583 - val_loss: 0.6242 - val_accuracy: 0.8533
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.8906
91/750 [==>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.8580
179/750 [=====>.....] - ETA: 0s - loss: 0.6007 - accuracy: 0.8620
267/750 [=====>.....] - ETA: 0s - loss: 0.6071 - accuracy: 0.8590
355/750 [======>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.8576
445/750 [======>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.8590
534/750 [======>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.8585
619/750 [======>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.8581
708/750 [======>..] - ETA: 0s - loss: 0.6091 - accuracy: 0.8584
750/750 [=====] - 1s 698us/step - loss: 0.6088 - accuracy: 0.8587 - val_loss: 0.6232 - val_accuracy: 0.8539
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.8438

90/750 [==>.....] - ETA: 0s - loss: 0.6041 - accuracy: 0.8602
177/750 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.8641
265/750 [=====>.....] - ETA: 0s - loss: 0.6048 - accuracy: 0.8615
353/750 [=====>.....] - ETA: 0s - loss: 0.6097 - accuracy: 0.8587
442/750 [=====>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.8583
530/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.8578
621/750 [=====>.....] - ETA: 0s - loss: 0.6087 - accuracy: 0.8577
708/750 [=====>..] - ETA: 0s - loss: 0.6084 - accuracy: 0.8585
750/750 [=====>.....] - 1s 698us/step - loss: 0.6071 - accuracy: 0.8590 - val_loss: 0.6232 - val_accuracy: 0.8544
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.6180 - accuracy: 0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.6046 - accuracy: 0.8635
179/750 [=====>.....] - ETA: 0s - loss: 0.5981 - accuracy: 0.8644
267/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8623
359/750 [=====>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8598
446/750 [=====>.....] - ETA: 0s - loss: 0.6055 - accuracy: 0.8592
536/750 [=====>.....] - ETA: 0s - loss: 0.6028 - accuracy: 0.8607
627/750 [=====>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.8589
718/750 [=====>..] - ETA: 0s - loss: 0.6056 - accuracy: 0.8589
750/750 [=====>.....] - 1s 689us/step - loss: 0.6060 - accuracy: 0.8587 - val_loss: 0.6220 - val_accuracy: 0.8537
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.7125 - accuracy: 0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8571
179/750 [=====>.....] - ETA: 0s - loss: 0.6027 - accuracy: 0.8615
271/750 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.8602

363/750 [=====>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8596
452/750 [=====>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.8597
538/750 [=====>.....] - ETA: 0s - loss: 0.6018 - accuracy: 0.8612
629/750 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.8617
718/750 [=====>..] - ETA: 0s - loss: 0.6046 - accuracy: 0.8603
750/750 [=====] - 1s 690us/step - loss: 0.6046 - accuracy: 0.8600 - val_loss: 0.6196 - val_accuracy: 0.8543
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.8594
92/750 [==>.....] - ETA: 0s - loss: 0.6050 - accuracy: 0.8595
180/750 [=====>.....] - ETA: 0s - loss: 0.6034 - accuracy: 0.8610
272/750 [=====>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.8624
362/750 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.8621
447/750 [=====>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.8623
541/750 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy: 0.8605
630/750 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.8596
722/750 [=====>..] - ETA: 0s - loss: 0.6038 - accuracy: 0.8597
750/750 [=====] - 1s 686us/step - loss: 0.6034 - accuracy: 0.8598 - val_loss: 0.6184 - val_accuracy: 0.8554
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.6691 - accuracy: 0.8438
92/750 [==>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8563
179/750 [=====>.....] - ETA: 0s - loss: 0.6082 - accuracy: 0.8578
269/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8602
360/750 [=====>.....] - ETA: 0s - loss: 0.5995 - accuracy: 0.8613
447/750 [=====>.....] - ETA: 0s - loss: 0.5994 - accuracy: 0.8614
537/750 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy: 0.8611

626/750 [=====>.....] - ETA: 0s - loss: 0.6011 - accuracy:
0.8599
717/750 [=====>..] - ETA: 0s - loss: 0.6008 - accuracy:
0.8605
750/750 [=====] - 1s 693us/step - loss: 0.6022 - accuracy:
0.8600 - val_loss: 0.6182 - val_accuracy: 0.8547
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.4852 - accuracy:
0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.6137 - accuracy:
0.8533
175/750 [=====>.....] - ETA: 0s - loss: 0.6069 - accuracy:
0.8562
263/750 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
0.8576
350/750 [=====>.....] - ETA: 0s - loss: 0.5982 - accuracy:
0.8595
443/750 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy:
0.8597
526/750 [=====>.....] - ETA: 0s - loss: 0.6011 - accuracy:
0.8600
611/750 [=====>.....] - ETA: 0s - loss: 0.6015 - accuracy:
0.8599
698/750 [=====>...] - ETA: 0s - loss: 0.6018 - accuracy:
0.8597
750/750 [=====] - 1s 704us/step - loss: 0.6011 - accuracy:
0.8598 - val_loss: 0.6168 - val_accuracy: 0.8555
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.5724 - accuracy:
0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8611
180/750 [=====>.....] - ETA: 0s - loss: 0.5954 - accuracy:
0.8623
269/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8619
359/750 [=====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
0.8612
449/750 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
0.8622
536/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy:
0.8627
625/750 [=====>.....] - ETA: 0s - loss: 0.5980 - accuracy:
0.8612
716/750 [=====>..] - ETA: 0s - loss: 0.5996 - accuracy:
0.8606
750/750 [=====] - 1s 690us/step - loss: 0.5999 - accuracy:
0.8608 - val_loss: 0.6154 - val_accuracy: 0.8566

Epoch 91/220

```
1/750 [.....] - ETA: 0s - loss: 0.6431 - accuracy:
0.8281
88/750 [==>.....] - ETA: 0s - loss: 0.5925 - accuracy:
0.8622
177/750 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
0.8597
267/750 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy:
0.8586
352/750 [======>.....] - ETA: 0s - loss: 0.6025 - accuracy:
0.8581
442/750 [======>.....] - ETA: 0s - loss: 0.6015 - accuracy:
0.8594
529/750 [======>.....] - ETA: 0s - loss: 0.5987 - accuracy:
0.8610
617/750 [======>.....] - ETA: 0s - loss: 0.5998 - accuracy:
0.8609
708/750 [======>..] - ETA: 0s - loss: 0.5995 - accuracy:
0.8611
750/750 [=====] - 1s 708us/step - loss: 0.5987 - accuracy:
0.8611 - val_loss: 0.6145 - val_accuracy: 0.8561
Epoch 92/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5306 - accuracy:
0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.5994 - accuracy:
0.8620
178/750 [=====>.....] - ETA: 0s - loss: 0.5993 - accuracy:
0.8619
266/750 [=====>.....] - ETA: 0s - loss: 0.5960 - accuracy:
0.8631
358/750 [======>.....] - ETA: 0s - loss: 0.5989 - accuracy:
0.8617
446/750 [======>.....] - ETA: 0s - loss: 0.5978 - accuracy:
0.8605
538/750 [======>.....] - ETA: 0s - loss: 0.5974 - accuracy:
0.8608
626/750 [======>.....] - ETA: 0s - loss: 0.5974 - accuracy:
0.8612
717/750 [======>..] - ETA: 0s - loss: 0.5970 - accuracy:
0.8618
750/750 [=====] - 1s 692us/step - loss: 0.5975 - accuracy:
0.8616 - val_loss: 0.6139 - val_accuracy: 0.8559
Epoch 93/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7082 - accuracy:
0.8281
90/750 [==>.....] - ETA: 0s - loss: 0.5944 - accuracy:
0.8630
```

177/750 [=====>.....] - ETA: 0s - loss: 0.5939 - accuracy:
0.8655
263/750 [=====>.....] - ETA: 0s - loss: 0.5913 - accuracy:
0.8651
353/750 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
0.8655
442/750 [=====>.....] - ETA: 0s - loss: 0.5916 - accuracy:
0.8655
532/750 [=====>.....] - ETA: 0s - loss: 0.5927 - accuracy:
0.8642
623/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8628
713/750 [=====>..] - ETA: 0s - loss: 0.5985 - accuracy:
0.8613
750/750 [=====>] - 1s 692us/step - loss: 0.5965 - accuracy:
0.8617 - val_loss: 0.6118 - val_accuracy: 0.8557
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.5115 - accuracy:
0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.5773 - accuracy:
0.8726
184/750 [=====>.....] - ETA: 0s - loss: 0.5887 - accuracy:
0.8663
274/750 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy:
0.8637
363/750 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy:
0.8635
453/750 [=====>.....] - ETA: 0s - loss: 0.5967 - accuracy:
0.8605
543/750 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy:
0.8610
633/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8610
720/750 [=====>..] - ETA: 0s - loss: 0.5962 - accuracy:
0.8612
750/750 [=====>] - 1s 690us/step - loss: 0.5953 - accuracy:
0.8614 - val_loss: 0.6118 - val_accuracy: 0.8559
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.6620 - accuracy:
0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.5973 - accuracy:
0.8626
176/750 [=====>.....] - ETA: 0s - loss: 0.5946 - accuracy:
0.8641
268/750 [=====>.....] - ETA: 0s - loss: 0.5910 - accuracy:
0.8646
359/750 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.8642

452/750 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.8634
544/750 [=====>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.8617
636/750 [=====>.....] - ETA: 0s - loss: 0.5929 - accuracy: 0.8625
728/750 [=====>.] - ETA: 0s - loss: 0.5931 - accuracy: 0.8623
750/750 [=====] - 1s 682us/step - loss: 0.5940 - accuracy: 0.8621 - val_loss: 0.6119 - val_accuracy: 0.8577
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.8594
92/750 [==>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.8544
180/750 [=====>.....] - ETA: 0s - loss: 0.6030 - accuracy: 0.8578
271/750 [=====>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.8613
365/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.8621
458/750 [=====>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.8619
551/750 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.8625
642/750 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.8628
735/750 [=====>.] - ETA: 0s - loss: 0.5928 - accuracy: 0.8626
750/750 [=====] - 1s 681us/step - loss: 0.5928 - accuracy: 0.8627 - val_loss: 0.6119 - val_accuracy: 0.8558
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.7722 - accuracy: 0.7812
94/750 [==>.....] - ETA: 0s - loss: 0.5851 - accuracy: 0.8629
185/750 [=====>.....] - ETA: 0s - loss: 0.5845 - accuracy: 0.8641
277/750 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.8612
366/750 [=====>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.8626
459/750 [=====>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.8629
549/750 [=====>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.8635
641/750 [=====>.....] - ETA: 0s - loss: 0.5913 - accuracy: 0.8632

731/750 [=====>.] - ETA: 0s - loss: 0.5923 - accuracy:
0.8625
750/750 [=====] - 1s 682us/step - loss: 0.5918 - accuracy:
0.8626 - val_loss: 0.6088 - val_accuracy: 0.8574
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.4631 - accuracy:
0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.5801 - accuracy:
0.8685
183/750 [=====>.....] - ETA: 0s - loss: 0.5829 - accuracy:
0.8673
273/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy:
0.8653
362/750 [=====>.....] - ETA: 0s - loss: 0.5892 - accuracy:
0.8643
454/750 [=====>.....] - ETA: 0s - loss: 0.5900 - accuracy:
0.8640
545/750 [=====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
0.8640
636/750 [=====>.....] - ETA: 0s - loss: 0.5896 - accuracy:
0.8639
725/750 [=====>.] - ETA: 0s - loss: 0.5909 - accuracy:
0.8636
750/750 [=====] - 1s 684us/step - loss: 0.5904 - accuracy:
0.8636 - val_loss: 0.6091 - val_accuracy: 0.8565
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.6424 - accuracy:
0.7969
91/750 [==>.....] - ETA: 0s - loss: 0.5982 - accuracy:
0.8583
177/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
0.8642
269/750 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.8631
360/750 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy:
0.8642
452/750 [=====>.....] - ETA: 0s - loss: 0.5880 - accuracy:
0.8652
540/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
0.8640
629/750 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.8634
718/750 [=====>..] - ETA: 0s - loss: 0.5906 - accuracy:
0.8632
750/750 [=====] - 1s 689us/step - loss: 0.5897 - accuracy:
0.8635 - val_loss: 0.6079 - val_accuracy: 0.8579
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.5959 - accuracy: 0.8592
179/750 [=====>.....] - ETA: 0s - loss: 0.5875 - accuracy: 0.8627
270/750 [=====>.....] - ETA: 0s - loss: 0.5869 - accuracy: 0.8641
361/750 [======>.....] - ETA: 0s - loss: 0.5875 - accuracy: 0.8640
448/750 [======>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.8649
540/750 [======>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.8657
630/750 [======>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.8657
716/750 [======>..] - ETA: 0s - loss: 0.5874 - accuracy: 0.8654
750/750 [=====] - 1s 694us/step - loss: 0.5883 - accuracy: 0.8647 - val_loss: 0.6078 - val_accuracy: 0.8572
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.5892 - accuracy: 0.8664
179/750 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.8668
266/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8655
358/750 [======>.....] - ETA: 0s - loss: 0.5913 - accuracy: 0.8637
447/750 [======>.....] - ETA: 0s - loss: 0.5892 - accuracy: 0.8644
539/750 [======>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.8650
628/750 [======>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.8654
716/750 [======>..] - ETA: 0s - loss: 0.5881 - accuracy: 0.8647
750/750 [=====] - 1s 685us/step - loss: 0.5873 - accuracy: 0.8650 - val_loss: 0.6043 - val_accuracy: 0.8576
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.7969
91/750 [==>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8662
182/750 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.8702

273/750 [=====>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.8660
363/750 [=====>.....] - ETA: 0s - loss: 0.5822 - accuracy: 0.8667
452/750 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.8671
545/750 [=====>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.8661
636/750 [=====>.....] - ETA: 0s - loss: 0.5845 - accuracy: 0.8651
728/750 [=====>.] - ETA: 0s - loss: 0.5859 - accuracy: 0.8648
750/750 [=====] - 1s 680us/step - loss: 0.5861 - accuracy: 0.8647 - val_loss: 0.6045 - val_accuracy: 0.8578
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.7339 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.5929 - accuracy: 0.8602
182/750 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8644
276/750 [=====>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.8642
366/750 [=====>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.8636
455/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.8646
545/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8654
634/750 [=====>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.8644
725/750 [=====>.] - ETA: 0s - loss: 0.5850 - accuracy: 0.8650
750/750 [=====] - 1s 684us/step - loss: 0.5851 - accuracy: 0.8649 - val_loss: 0.6045 - val_accuracy: 0.8577
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.6362 - accuracy: 0.7969
91/750 [==>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.8693
183/750 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.8674
276/750 [=====>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8671
366/750 [=====>.....] - ETA: 0s - loss: 0.5844 - accuracy: 0.8665
456/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.8652

547/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8652
641/750 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.8655
732/750 [=====>.] - ETA: 0s - loss: 0.5850 - accuracy: 0.8649
750/750 [=====] - 1s 678us/step - loss: 0.5844 - accuracy: 0.8651 - val_loss: 0.6026 - val_accuracy: 0.8585
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.8620
183/750 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8677
273/750 [=====>.....] - ETA: 0s - loss: 0.5804 - accuracy: 0.8665
363/750 [=====>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.8682
452/750 [=====>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8674
543/750 [=====>.....] - ETA: 0s - loss: 0.5797 - accuracy: 0.8668
632/750 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8662
721/750 [=====>..] - ETA: 0s - loss: 0.5811 - accuracy: 0.8661
750/750 [=====] - 1s 689us/step - loss: 0.5830 - accuracy: 0.8656 - val_loss: 0.6033 - val_accuracy: 0.8569
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.9219
85/750 [==>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.8693
176/750 [=====>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.8666
264/750 [=====>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.8675
352/750 [=====>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.8679
441/750 [=====>.....] - ETA: 0s - loss: 0.5784 - accuracy: 0.8683
531/750 [=====>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.8675
621/750 [=====>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.8677
713/750 [=====>..] - ETA: 0s - loss: 0.5815 - accuracy: 0.8664

750/750 [=====] - 1s 694us/step - loss: 0.5820 - accuracy: 0.8661 - val_loss: 0.6009 - val_accuracy: 0.8583
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.6978 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.5749 - accuracy: 0.8719
179/750 [=====>.....] - ETA: 0s - loss: 0.5892 - accuracy: 0.8631
269/750 [=====>.....] - ETA: 0s - loss: 0.5798 - accuracy: 0.8658
359/750 [======>.....] - ETA: 0s - loss: 0.5816 - accuracy: 0.8658
447/750 [======>.....] - ETA: 0s - loss: 0.5827 - accuracy: 0.8647
536/750 [======>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8652
625/750 [======>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.8647
714/750 [======>..] - ETA: 0s - loss: 0.5809 - accuracy: 0.8661
750/750 [=====] - 1s 693us/step - loss: 0.5809 - accuracy: 0.8662 - val_loss: 0.5990 - val_accuracy: 0.8597
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.4821 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8609
182/750 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8644
271/750 [=====>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8632
361/750 [======>.....] - ETA: 0s - loss: 0.5835 - accuracy: 0.8637
450/750 [======>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.8634
541/750 [======>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.8639
631/750 [======>.....] - ETA: 0s - loss: 0.5809 - accuracy: 0.8653
722/750 [======>..] - ETA: 0s - loss: 0.5795 - accuracy: 0.8667
750/750 [=====] - 1s 690us/step - loss: 0.5797 - accuracy: 0.8665 - val_loss: 0.5982 - val_accuracy: 0.8591
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.9219

87/750 [==>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.8673
173/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.8665
261/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.8687
352/750 [=====>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8679
440/750 [=====>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.8663
529/750 [=====>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.8666
618/750 [=====>.....] - ETA: 0s - loss: 0.5791 - accuracy: 0.8666
706/750 [=====>..] - ETA: 0s - loss: 0.5786 - accuracy: 0.8669
750/750 [=====>] - 1s 705us/step - loss: 0.5787 - accuracy: 0.8668 - val_loss: 0.5999 - val_accuracy: 0.8578
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.5393 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.8615
177/750 [=====>.....] - ETA: 0s - loss: 0.5817 - accuracy: 0.8660
264/750 [=====>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8649
356/750 [=====>.....] - ETA: 0s - loss: 0.5780 - accuracy: 0.8674
449/750 [=====>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.8670
536/750 [=====>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8663
626/750 [=====>.....] - ETA: 0s - loss: 0.5791 - accuracy: 0.8665
718/750 [=====>..] - ETA: 0s - loss: 0.5771 - accuracy: 0.8670
750/750 [=====>] - 1s 688us/step - loss: 0.5778 - accuracy: 0.8668 - val_loss: 0.5990 - val_accuracy: 0.8583
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.5822 - accuracy: 0.8678
177/750 [=====>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.8659
266/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8680

355/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.8687
447/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.8687
536/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.8690
622/750 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy: 0.8689
713/750 [=====>..] - ETA: 0s - loss: 0.5764 - accuracy: 0.8675
750/750 [=====] - 1s 690us/step - loss: 0.5770 - accuracy: 0.8675 - val_loss: 0.6010 - val_accuracy: 0.8586
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.5653 - accuracy: 0.8713
175/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8668
264/750 [=====>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8657
350/750 [=====>.....] - ETA: 0s - loss: 0.5783 - accuracy: 0.8663
438/750 [=====>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.8658
526/750 [=====>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.8659
613/750 [=====>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.8666
699/750 [=====>...] - ETA: 0s - loss: 0.5757 - accuracy: 0.8669
750/750 [=====] - 1s 704us/step - loss: 0.5759 - accuracy: 0.8669 - val_loss: 0.5949 - val_accuracy: 0.8602
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.4746 - accuracy: 0.9219
92/750 [==>.....] - ETA: 0s - loss: 0.5796 - accuracy: 0.8650
182/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.8698
272/750 [=====>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.8693
364/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8669
451/750 [=====>.....] - ETA: 0s - loss: 0.5749 - accuracy: 0.8673
543/750 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8671

637/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy: 0.8667
729/750 [=====>.] - ETA: 0s - loss: 0.5737 - accuracy: 0.8677
750/750 [=====] - 1s 676us/step - loss: 0.5747 - accuracy: 0.8677 - val_loss: 0.5951 - val_accuracy: 0.8604
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.4310 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.5771 - accuracy: 0.8693
184/750 [=====>.....] - ETA: 0s - loss: 0.5745 - accuracy: 0.8676
273/750 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.8681
367/750 [=====>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.8674
463/750 [=====>.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.8674
550/750 [=====>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.8676
639/750 [=====>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8667
729/750 [=====>.] - ETA: 0s - loss: 0.5754 - accuracy: 0.8672
750/750 [=====] - 1s 680us/step - loss: 0.5739 - accuracy: 0.8679 - val_loss: 0.5941 - val_accuracy: 0.8593
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.8594
94/750 [==>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.8692
186/750 [=====>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.8707
281/750 [=====>.....] - ETA: 0s - loss: 0.5711 - accuracy: 0.8699
371/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.8704
463/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.8696
557/750 [=====>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.8687
650/750 [=====>....] - ETA: 0s - loss: 0.5737 - accuracy: 0.8682
740/750 [=====>.] - ETA: 0s - loss: 0.5733 - accuracy: 0.8682
750/750 [=====] - 1s 668us/step - loss: 0.5728 - accuracy: 0.8683 - val_loss: 0.5926 - val_accuracy: 0.8605

Epoch 116/220

```
1/750 [.....] - ETA: 0s - loss: 0.7865 - accuracy: 0.7656
92/750 [==>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.8696
180/750 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy: 0.8664
271/750 [=====>.....] - ETA: 0s - loss: 0.5757 - accuracy: 0.8670
364/750 [======>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.8689
454/750 [======>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8680
543/750 [======>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.8680
633/750 [======>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8683
721/750 [======>..] - ETA: 0s - loss: 0.5720 - accuracy: 0.8687
750/750 [=====] - 1s 684us/step - loss: 0.5718 - accuracy: 0.8686 - val_loss: 0.5942 - val_accuracy: 0.8614
Epoch 117/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4281 - accuracy: 0.9375
92/750 [==>.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.8631
184/750 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.8674
276/750 [=====>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.8679
368/750 [======>.....] - ETA: 0s - loss: 0.5720 - accuracy: 0.8682
459/750 [======>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.8682
552/750 [======>.....] - ETA: 0s - loss: 0.5743 - accuracy: 0.8681
643/750 [======>.....] - ETA: 0s - loss: 0.5719 - accuracy: 0.8687
735/750 [======>.] - ETA: 0s - loss: 0.5704 - accuracy: 0.8688
750/750 [=====] - 1s 674us/step - loss: 0.5709 - accuracy: 0.8686 - val_loss: 0.5932 - val_accuracy: 0.8602
Epoch 118/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5828 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.5599 - accuracy: 0.8709
```

175/750 [=====>.....] - ETA: 0s - loss: 0.5643 - accuracy: 0.8715
267/750 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy: 0.8714
357/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.8707
450/750 [=====>.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.8697
537/750 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.8704
623/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8692
713/750 [=====>..] - ETA: 0s - loss: 0.5702 - accuracy: 0.8691
750/750 [=====>] - 1s 688us/step - loss: 0.5699 - accuracy: 0.8691 - val_loss: 0.5902 - val_accuracy: 0.8622
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.4589 - accuracy: 0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.5703 - accuracy: 0.8664
184/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8705
278/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.8705
370/750 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8701
461/750 [=====>.....] - ETA: 0s - loss: 0.5686 - accuracy: 0.8697
554/750 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy: 0.8691
645/750 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8698
736/750 [=====>.] - ETA: 0s - loss: 0.5690 - accuracy: 0.8694
750/750 [=====>] - 1s 672us/step - loss: 0.5688 - accuracy: 0.8695 - val_loss: 0.5906 - val_accuracy: 0.8614
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.7584 - accuracy: 0.7344
93/750 [==>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.8711
184/750 [=====>.....] - ETA: 0s - loss: 0.5586 - accuracy: 0.8718
273/750 [=====>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8719
361/750 [=====>.....] - ETA: 0s - loss: 0.5649 - accuracy: 0.8706

454/750 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy: 0.8712
545/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy: 0.8713
634/750 [=====>.....] - ETA: 0s - loss: 0.5653 - accuracy: 0.8707
722/750 [=====>..] - ETA: 0s - loss: 0.5674 - accuracy: 0.8695
750/750 [=====] - 1s 684us/step - loss: 0.5681 - accuracy: 0.8695 - val_loss: 0.5889 - val_accuracy: 0.8624
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.6245 - accuracy: 0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.8653
182/750 [=====>.....] - ETA: 0s - loss: 0.5657 - accuracy: 0.8674
274/750 [=====>.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.8671
361/750 [=====>.....] - ETA: 0s - loss: 0.5707 - accuracy: 0.8670
454/750 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.8681
547/750 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.8692
635/750 [=====>.....] - ETA: 0s - loss: 0.5677 - accuracy: 0.8695
727/750 [=====>.] - ETA: 0s - loss: 0.5665 - accuracy: 0.8697
750/750 [=====] - 1s 678us/step - loss: 0.5671 - accuracy: 0.8697 - val_loss: 0.5899 - val_accuracy: 0.8607
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.8125
94/750 [==>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.8647
186/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8674
280/750 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.8674
373/750 [=====>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.8696
465/750 [=====>.....] - ETA: 0s - loss: 0.5646 - accuracy: 0.8710
559/750 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy: 0.8711
646/750 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy: 0.8710

737/750 [=====>.] - ETA: 0s - loss: 0.5652 - accuracy:
0.8703
750/750 [=====] - 1s 673us/step - loss: 0.5662 - accuracy:
0.8700 - val_loss: 0.5901 - val_accuracy: 0.8613
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.5250 - accuracy:
0.8906
92/750 [==>.....] - ETA: 0s - loss: 0.5600 - accuracy:
0.8779
184/750 [=====>.....] - ETA: 0s - loss: 0.5639 - accuracy:
0.8736
276/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy:
0.8744
369/750 [=====>.....] - ETA: 0s - loss: 0.5623 - accuracy:
0.8748
460/750 [=====>.....] - ETA: 0s - loss: 0.5634 - accuracy:
0.8738
552/750 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy:
0.8722
647/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy:
0.8713
737/750 [=====>.] - ETA: 0s - loss: 0.5653 - accuracy:
0.8704
750/750 [=====] - 1s 676us/step - loss: 0.5652 - accuracy:
0.8706 - val_loss: 0.5864 - val_accuracy: 0.8616
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.3849 - accuracy:
0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.5632 - accuracy:
0.8680
177/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8717
265/750 [=====>.....] - ETA: 0s - loss: 0.5686 - accuracy:
0.8710
355/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy:
0.8709
444/750 [=====>.....] - ETA: 0s - loss: 0.5633 - accuracy:
0.8719
532/750 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
0.8713
621/750 [=====>.....] - ETA: 0s - loss: 0.5629 - accuracy:
0.8717
709/750 [=====>..] - ETA: 0s - loss: 0.5641 - accuracy:
0.8713
750/750 [=====] - 1s 700us/step - loss: 0.5643 - accuracy:
0.8709 - val_loss: 0.5872 - val_accuracy: 0.8612
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.8125 - accuracy: 0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.5706 - accuracy: 0.8700
177/750 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.8724
266/750 [=====>.....] - ETA: 0s - loss: 0.5646 - accuracy: 0.8716
355/750 [======>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8721
443/750 [======>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8712
532/750 [======>.....] - ETA: 0s - loss: 0.5635 - accuracy: 0.8717
620/750 [======>.....] - ETA: 0s - loss: 0.5657 - accuracy: 0.8709
709/750 [======>..] - ETA: 0s - loss: 0.5644 - accuracy: 0.8714
750/750 [=====] - 1s 700us/step - loss: 0.5636 - accuracy: 0.8710 - val_loss: 0.5856 - val_accuracy: 0.8632
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.6753 - accuracy: 0.8281
94/750 [==>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8722
184/750 [=====>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.8719
277/750 [=====>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.8709
370/750 [=====>.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.8701
466/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.8707
559/750 [=====>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8708
652/750 [=====>....] - ETA: 0s - loss: 0.5599 - accuracy: 0.8710
743/750 [=====>..] - ETA: 0s - loss: 0.5626 - accuracy: 0.8706
750/750 [=====] - 1s 666us/step - loss: 0.5625 - accuracy: 0.8708 - val_loss: 0.5845 - val_accuracy: 0.8622
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.8125
96/750 [==>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.8711
189/750 [=====>.....] - ETA: 0s - loss: 0.5648 - accuracy: 0.8709

281/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8732
373/750 [=====>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.8711
461/750 [=====>.....] - ETA: 0s - loss: 0.5642 - accuracy: 0.8707
549/750 [=====>.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.8710
637/750 [=====>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.8710
726/750 [=====>.] - ETA: 0s - loss: 0.5617 - accuracy: 0.8711
750/750 [=====] - 1s 689us/step - loss: 0.5615 - accuracy: 0.8713 - val_loss: 0.5844 - val_accuracy: 0.8625
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.4534 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8677
177/750 [=====>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.8709
266/750 [=====>.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8731
353/750 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy: 0.8737
444/750 [=====>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8734
530/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.8733
616/750 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.8727
700/750 [=====>..] - ETA: 0s - loss: 0.5593 - accuracy: 0.8728
750/750 [=====] - 1s 706us/step - loss: 0.5604 - accuracy: 0.8720 - val_loss: 0.5824 - val_accuracy: 0.8639
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.5122 - accuracy: 0.9062
83/750 [==>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.8720
168/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy: 0.8740
255/750 [=====>.....] - ETA: 0s - loss: 0.5585 - accuracy: 0.8716
337/750 [=====>.....] - ETA: 0s - loss: 0.5555 - accuracy: 0.8725
423/750 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy: 0.8723

507/750 [=====>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.8728
595/750 [=====>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.8724
684/750 [=====>...] - ETA: 0s - loss: 0.5596 - accuracy: 0.8722
750/750 [=====] - 1s 716us/step - loss: 0.5597 - accuracy: 0.8726 - val_loss: 0.5850 - val_accuracy: 0.8621
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.4080 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.8713
176/750 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.8716
269/750 [=====>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.8735
355/750 [=====>.....] - ETA: 0s - loss: 0.5578 - accuracy: 0.8724
442/750 [=====>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8721
531/750 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.8721
621/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8721
712/750 [=====>..] - ETA: 0s - loss: 0.5592 - accuracy: 0.8720
750/750 [=====] - 1s 694us/step - loss: 0.5589 - accuracy: 0.8723 - val_loss: 0.5823 - val_accuracy: 0.8640
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.6661 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.8762
179/750 [=====>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.8747
275/750 [=====>.....] - ETA: 0s - loss: 0.5541 - accuracy: 0.8751
366/750 [=====>.....] - ETA: 0s - loss: 0.5541 - accuracy: 0.8752
458/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.8739
553/750 [=====>.....] - ETA: 0s - loss: 0.5582 - accuracy: 0.8720
646/750 [=====>.....] - ETA: 0s - loss: 0.5594 - accuracy: 0.8711
739/750 [=====>.] - ETA: 0s - loss: 0.5584 - accuracy: 0.8710

750/750 [=====] - 1s 674us/step - loss: 0.5580 - accuracy: 0.8711 - val_loss: 0.5811 - val_accuracy: 0.8635
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.7575 - accuracy: 0.7812
93/750 [==>.....] - ETA: 0s - loss: 0.5552 - accuracy: 0.8738
184/750 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy: 0.8714
275/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy: 0.8699
365/750 [=====>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.8708
455/750 [=====>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.8697
547/750 [=====>.....] - ETA: 0s - loss: 0.5593 - accuracy: 0.8706
641/750 [=====>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.8709
733/750 [=====>.] - ETA: 0s - loss: 0.5570 - accuracy: 0.8714
750/750 [=====] - 1s 669us/step - loss: 0.5570 - accuracy: 0.8717 - val_loss: 0.5820 - val_accuracy: 0.8627
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.6215 - accuracy: 0.8125
92/750 [==>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8765
184/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.8736
276/750 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy: 0.8730
368/750 [=====>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.8732
463/750 [=====>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.8724
557/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.8726
652/750 [=====>....] - ETA: 0s - loss: 0.5559 - accuracy: 0.8732
741/750 [=====>.] - ETA: 0s - loss: 0.5560 - accuracy: 0.8734
750/750 [=====] - 1s 676us/step - loss: 0.5562 - accuracy: 0.8733 - val_loss: 0.5805 - val_accuracy: 0.8641
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.8906

83/750 [==>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.8780
173/750 [=====>.....] - ETA: 0s - loss: 0.5569 - accuracy: 0.8752
260/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.8733
343/750 [=====>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.8740
430/750 [=====>.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.8749
515/750 [=====>.....] - ETA: 0s - loss: 0.5530 - accuracy: 0.8749
603/750 [=====>.....] - ETA: 0s - loss: 0.5546 - accuracy: 0.8742
688/750 [=====>...] - ETA: 0s - loss: 0.5546 - accuracy: 0.8739
750/750 [=====>] - 1s 720us/step - loss: 0.5552 - accuracy: 0.8734 - val_loss: 0.5787 - val_accuracy: 0.8643
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.8125
84/750 [==>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8713
170/750 [=====>.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.8675
259/750 [=====>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.8691
343/750 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy: 0.8713
428/750 [=====>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.8733
514/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy: 0.8735
601/750 [=====>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.8731
690/750 [=====>...] - ETA: 0s - loss: 0.5543 - accuracy: 0.8730
750/750 [=====>] - 1s 718us/step - loss: 0.5543 - accuracy: 0.8733 - val_loss: 0.5794 - val_accuracy: 0.8635
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.6361 - accuracy: 0.8594
92/750 [==>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.8758
179/750 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.8731
267/750 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy: 0.8745

353/750 [=====>.....] - ETA: 0s - loss: 0.5535 - accuracy: 0.8733
438/750 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy: 0.8742
524/750 [=====>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8726
611/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.8733
704/750 [=====>..] - ETA: 0s - loss: 0.5537 - accuracy: 0.8733
750/750 [=====] - 1s 697us/step - loss: 0.5536 - accuracy: 0.8740 - val_loss: 0.5789 - val_accuracy: 0.8635
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.4583 - accuracy: 0.9219
95/750 [==>.....] - ETA: 0s - loss: 0.5553 - accuracy: 0.8676
184/750 [=====>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.8677
277/750 [=====>.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8703
371/750 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy: 0.8717
460/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8731
553/750 [=====>.....] - ETA: 0s - loss: 0.5535 - accuracy: 0.8731
646/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.8733
737/750 [=====>..] - ETA: 0s - loss: 0.5525 - accuracy: 0.8730
750/750 [=====] - 1s 669us/step - loss: 0.5528 - accuracy: 0.8731 - val_loss: 0.5783 - val_accuracy: 0.8642
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.5032 - accuracy: 0.9219
94/750 [==>.....] - ETA: 0s - loss: 0.5492 - accuracy: 0.8772
185/750 [=====>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.8743
273/750 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.8740
362/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy: 0.8753
451/750 [=====>.....] - ETA: 0s - loss: 0.5530 - accuracy: 0.8735
541/750 [=====>.....] - ETA: 0s - loss: 0.5513 - accuracy: 0.8742

627/750 [=====>.....] - ETA: 0s - loss: 0.5525 - accuracy: 0.8734
710/750 [=====>..] - ETA: 0s - loss: 0.5521 - accuracy: 0.8738
750/750 [=====] - 1s 697us/step - loss: 0.5514 - accuracy: 0.8743 - val_loss: 0.5785 - val_accuracy: 0.8643
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.4782 - accuracy: 0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.5672 - accuracy: 0.8648
190/750 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy: 0.8728
282/750 [=====>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.8736
376/750 [=====>.....] - ETA: 0s - loss: 0.5498 - accuracy: 0.8745
470/750 [=====>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.8738
562/750 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.8742
656/750 [=====>...] - ETA: 0s - loss: 0.5502 - accuracy: 0.8745
748/750 [=====>.] - ETA: 0s - loss: 0.5516 - accuracy: 0.8737
750/750 [=====] - 0s 662us/step - loss: 0.5513 - accuracy: 0.8738 - val_loss: 0.5755 - val_accuracy: 0.8654
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.8674
184/750 [=====>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.8699
279/750 [=====>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.8732
369/750 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy: 0.8737
462/750 [=====>.....] - ETA: 0s - loss: 0.5558 - accuracy: 0.8729
556/750 [=====>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.8730
646/750 [=====>....] - ETA: 0s - loss: 0.5506 - accuracy: 0.8733
739/750 [=====>.] - ETA: 0s - loss: 0.5499 - accuracy: 0.8737
750/750 [=====] - 1s 670us/step - loss: 0.5502 - accuracy: 0.8736 - val_loss: 0.5766 - val_accuracy: 0.8649

Epoch 141/220

```
1/750 [.....] - ETA: 0s - loss: 0.5298 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.8770
183/750 [=====>.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.8738
272/750 [=====>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.8745
367/750 [======>.....] - ETA: 0s - loss: 0.5492 - accuracy: 0.8750
460/750 [======>.....] - ETA: 0s - loss: 0.5478 - accuracy: 0.8754
554/750 [======>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.8749
650/750 [======>....] - ETA: 0s - loss: 0.5494 - accuracy: 0.8754
740/750 [======>.] - ETA: 0s - loss: 0.5496 - accuracy: 0.8753
750/750 [=====] - 1s 669us/step - loss: 0.5493 - accuracy: 0.8752 - val_loss: 0.5753 - val_accuracy: 0.8651
Epoch 142/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5874 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.5451 - accuracy: 0.8789
184/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.8697
274/750 [=====>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.8714
366/750 [======>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.8715
461/750 [======>.....] - ETA: 0s - loss: 0.5525 - accuracy: 0.8733
554/750 [======>.....] - ETA: 0s - loss: 0.5508 - accuracy: 0.8737
647/750 [======>....] - ETA: 0s - loss: 0.5510 - accuracy: 0.8738
742/750 [======>.] - ETA: 0s - loss: 0.5486 - accuracy: 0.8747
750/750 [=====] - 1s 669us/step - loss: 0.5483 - accuracy: 0.8748 - val_loss: 0.5732 - val_accuracy: 0.8657
Epoch 143/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4948 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.5441 - accuracy: 0.8774
```

169/750 [====>.....] - ETA: 0s - loss: 0.5428 - accuracy: 0.8758
254/750 [=====>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.8744
341/750 [=====>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.8750
425/750 [=====>.....] - ETA: 0s - loss: 0.5479 - accuracy: 0.8746
518/750 [=====>.....] - ETA: 0s - loss: 0.5463 - accuracy: 0.8750
608/750 [=====>.....] - ETA: 0s - loss: 0.5465 - accuracy: 0.8747
700/750 [=====>..] - ETA: 0s - loss: 0.5470 - accuracy: 0.8749
750/750 [=====] - 1s 701us/step - loss: 0.5476 - accuracy: 0.8748 - val_loss: 0.5735 - val_accuracy: 0.8652
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.7100 - accuracy: 0.8125
94/750 [==>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8723
180/750 [====>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.8744
273/750 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy: 0.8764
369/750 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.8771
459/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.8763
552/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8754
646/750 [=====>.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.8761
736/750 [=====>.] - ETA: 0s - loss: 0.5462 - accuracy: 0.8759
750/750 [=====] - 1s 676us/step - loss: 0.5469 - accuracy: 0.8756 - val_loss: 0.5720 - val_accuracy: 0.8652
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.4654 - accuracy: 0.8906
93/750 [==>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.8688
188/750 [====>.....] - ETA: 0s - loss: 0.5493 - accuracy: 0.8758
278/750 [=====>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.8771
371/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy: 0.8759

457/750 [=====>.....] - ETA: 0s - loss: 0.5479 - accuracy: 0.8760
548/750 [=====>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.8751
641/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8750
730/750 [=====>.] - ETA: 0s - loss: 0.5460 - accuracy: 0.8755
750/750 [=====] - 1s 678us/step - loss: 0.5459 - accuracy: 0.8757 - val_loss: 0.5742 - val_accuracy: 0.8637
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.7969
87/750 [==>.....] - ETA: 0s - loss: 0.5520 - accuracy: 0.8763
176/750 [=====>.....] - ETA: 0s - loss: 0.5454 - accuracy: 0.8778
268/750 [=====>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.8777
357/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8776
446/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.8767
536/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8764
627/750 [=====>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.8758
714/750 [=====>..] - ETA: 0s - loss: 0.5432 - accuracy: 0.8758
750/750 [=====] - 1s 694us/step - loss: 0.5450 - accuracy: 0.8749 - val_loss: 0.5714 - val_accuracy: 0.8667
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.4155 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.8823
176/750 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy: 0.8778
266/750 [=====>.....] - ETA: 0s - loss: 0.5487 - accuracy: 0.8763
351/750 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy: 0.8768
440/750 [=====>.....] - ETA: 0s - loss: 0.5469 - accuracy: 0.8767
527/750 [=====>.....] - ETA: 0s - loss: 0.5441 - accuracy: 0.8775
617/750 [=====>.....] - ETA: 0s - loss: 0.5453 - accuracy: 0.8765

706/750 [=====>..] - ETA: 0s - loss: 0.5441 - accuracy:
0.8763
750/750 [=====] - 1s 708us/step - loss: 0.5442 - accuracy:
0.8761 - val_loss: 0.5711 - val_accuracy: 0.8660
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.6004 - accuracy:
0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.5577 - accuracy:
0.8693
165/750 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
0.8754
250/750 [=====>.....] - ETA: 0s - loss: 0.5450 - accuracy:
0.8746
339/750 [=====>.....] - ETA: 0s - loss: 0.5442 - accuracy:
0.8759
424/750 [=====>.....] - ETA: 0s - loss: 0.5430 - accuracy:
0.8758
513/750 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy:
0.8754
599/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy:
0.8765
683/750 [=====>..] - ETA: 0s - loss: 0.5422 - accuracy:
0.8763
750/750 [=====] - 1s 722us/step - loss: 0.5432 - accuracy:
0.8757 - val_loss: 0.5694 - val_accuracy: 0.8652
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.4054 - accuracy:
0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.5532 - accuracy:
0.8707
176/750 [=====>.....] - ETA: 0s - loss: 0.5527 - accuracy:
0.8730
264/750 [=====>.....] - ETA: 0s - loss: 0.5490 - accuracy:
0.8745
352/750 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.8747
439/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8759
532/750 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy:
0.8766
623/750 [=====>.....] - ETA: 0s - loss: 0.5448 - accuracy:
0.8754
706/750 [=====>..] - ETA: 0s - loss: 0.5438 - accuracy:
0.8762
750/750 [=====] - 1s 701us/step - loss: 0.5426 - accuracy:
0.8762 - val_loss: 0.5719 - val_accuracy: 0.8648
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.4964 - accuracy: 0.8906
92/750 [==>.....] - ETA: 0s - loss: 0.5494 - accuracy: 0.8723
185/750 [=====>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.8775
275/750 [=====>.....] - ETA: 0s - loss: 0.5460 - accuracy: 0.8768
369/750 [======>.....] - ETA: 0s - loss: 0.5447 - accuracy: 0.8767
459/750 [======>.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.8768
547/750 [======>.....] - ETA: 0s - loss: 0.5421 - accuracy: 0.8766
640/750 [======>.....] - ETA: 0s - loss: 0.5413 - accuracy: 0.8767
641/750 [======>.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.8767
719/750 [======>..] - ETA: 0s - loss: 0.5415 - accuracy: 0.8770
750/750 [=====] - 1s 780us/step - loss: 0.5419 - accuracy: 0.8766 - val_loss: 0.5682 - val_accuracy: 0.8663
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.8835
167/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy: 0.8802
252/750 [=====>.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.8788
344/750 [======>.....] - ETA: 0s - loss: 0.5402 - accuracy: 0.8775
432/750 [======>.....] - ETA: 0s - loss: 0.5423 - accuracy: 0.8759
524/750 [======>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.8772
609/750 [======>.....] - ETA: 0s - loss: 0.5402 - accuracy: 0.8771
691/750 [======>...] - ETA: 0s - loss: 0.5391 - accuracy: 0.8773
750/750 [=====] - 1s 721us/step - loss: 0.5409 - accuracy: 0.8767 - val_loss: 0.5690 - val_accuracy: 0.8667
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.4044 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8752

169/750 [====>.....] - ETA: 0s - loss: 0.5375 - accuracy: 0.8784
260/750 [=====>.....] - ETA: 0s - loss: 0.5362 - accuracy: 0.8782
348/750 [=====>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.8787
439/750 [=====>.....] - ETA: 0s - loss: 0.5372 - accuracy: 0.8784
528/750 [=====>.....] - ETA: 0s - loss: 0.5375 - accuracy: 0.8778
621/750 [=====>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.8774
708/750 [=====>..] - ETA: 0s - loss: 0.5400 - accuracy: 0.8762
750/750 [=====] - 1s 692us/step - loss: 0.5401 - accuracy: 0.8764 - val_loss: 0.5681 - val_accuracy: 0.8663
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.5046 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.5487 - accuracy: 0.8718
187/750 [====>.....] - ETA: 0s - loss: 0.5386 - accuracy: 0.8792
278/750 [=====>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.8778
373/750 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.8764
469/750 [=====>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.8757
561/750 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy: 0.8762
653/750 [=====>....] - ETA: 0s - loss: 0.5395 - accuracy: 0.8768
749/750 [=====>.] - ETA: 0s - loss: 0.5392 - accuracy: 0.8772
750/750 [=====] - 0s 662us/step - loss: 0.5394 - accuracy: 0.8771 - val_loss: 0.5675 - val_accuracy: 0.8670
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.5739 - accuracy: 0.8594
95/750 [==>.....] - ETA: 0s - loss: 0.5378 - accuracy: 0.8745
190/750 [====>.....] - ETA: 0s - loss: 0.5363 - accuracy: 0.8751
280/750 [=====>.....] - ETA: 0s - loss: 0.5332 - accuracy: 0.8787
371/750 [=====>.....] - ETA: 0s - loss: 0.5347 - accuracy: 0.8773

462/750 [=====>.....] - ETA: 0s - loss: 0.5363 - accuracy: 0.8775
557/750 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy: 0.8769
647/750 [=====>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.8769
739/750 [=====>.] - ETA: 0s - loss: 0.5385 - accuracy: 0.8767
750/750 [=====] - 1s 670us/step - loss: 0.5385 - accuracy: 0.8767 - val_loss: 0.5666 - val_accuracy: 0.8657
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.4540 - accuracy: 0.9375
96/750 [==>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.8709
187/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy: 0.8737
277/750 [=====>.....] - ETA: 0s - loss: 0.5440 - accuracy: 0.8745
370/750 [=====>.....] - ETA: 0s - loss: 0.5413 - accuracy: 0.8761
461/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8759
553/750 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy: 0.8768
642/750 [=====>.....] - ETA: 0s - loss: 0.5394 - accuracy: 0.8763
735/750 [=====>.] - ETA: 0s - loss: 0.5391 - accuracy: 0.8770
750/750 [=====] - 1s 674us/step - loss: 0.5379 - accuracy: 0.8775 - val_loss: 0.5658 - val_accuracy: 0.8666
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.7812
92/750 [==>.....] - ETA: 0s - loss: 0.5353 - accuracy: 0.8791
188/750 [=====>.....] - ETA: 0s - loss: 0.5282 - accuracy: 0.8829
275/750 [=====>.....] - ETA: 0s - loss: 0.5352 - accuracy: 0.8787
369/750 [=====>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8773
461/750 [=====>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8774
551/750 [=====>.....] - ETA: 0s - loss: 0.5387 - accuracy: 0.8777
645/750 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy: 0.8780

736/750 [=====>.] - ETA: 0s - loss: 0.5375 - accuracy:
0.8778
750/750 [=====] - 1s 670us/step - loss: 0.5371 - accuracy:
0.8780 - val_loss: 0.5656 - val_accuracy: 0.8670
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.5464 - accuracy:
0.8906
91/750 [==>.....] - ETA: 0s - loss: 0.5382 - accuracy:
0.8748
183/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy:
0.8753
277/750 [=====>.....] - ETA: 0s - loss: 0.5381 - accuracy:
0.8758
370/750 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
0.8766
461/750 [=====>.....] - ETA: 0s - loss: 0.5407 - accuracy:
0.8752
555/750 [=====>.....] - ETA: 0s - loss: 0.5409 - accuracy:
0.8756
639/750 [=====>.....] - ETA: 0s - loss: 0.5380 - accuracy:
0.8766
733/750 [=====>.] - ETA: 0s - loss: 0.5361 - accuracy:
0.8782
750/750 [=====] - 1s 674us/step - loss: 0.5361 - accuracy:
0.8781 - val_loss: 0.5663 - val_accuracy: 0.8657
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.6490 - accuracy:
0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.5249 - accuracy:
0.8813
183/750 [=====>.....] - ETA: 0s - loss: 0.5268 - accuracy:
0.8828
272/750 [=====>.....] - ETA: 0s - loss: 0.5325 - accuracy:
0.8797
363/750 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
0.8801
453/750 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.8798
547/750 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy:
0.8788
640/750 [=====>.....] - ETA: 0s - loss: 0.5346 - accuracy:
0.8782
730/750 [=====>.] - ETA: 0s - loss: 0.5348 - accuracy:
0.8785
750/750 [=====] - 1s 677us/step - loss: 0.5354 - accuracy:
0.8781 - val_loss: 0.5636 - val_accuracy: 0.8675
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.4096 - accuracy: 0.9219
95/750 [==>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.8780
188/750 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8797
277/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.8783
371/750 [======>.....] - ETA: 0s - loss: 0.5330 - accuracy: 0.8781
463/750 [======>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.8781
556/750 [======>.....] - ETA: 0s - loss: 0.5319 - accuracy: 0.8787
650/750 [======>....] - ETA: 0s - loss: 0.5320 - accuracy: 0.8782
740/750 [======>.] - ETA: 0s - loss: 0.5345 - accuracy: 0.8776
750/750 [=====] - 1s 669us/step - loss: 0.5348 - accuracy: 0.8777 - val_loss: 0.5636 - val_accuracy: 0.8663
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.8438
91/750 [==>.....] - ETA: 0s - loss: 0.5212 - accuracy: 0.8862
186/750 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy: 0.8840
271/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.8831
363/750 [======>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.8807
456/750 [======>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8788
543/750 [======>.....] - ETA: 0s - loss: 0.5345 - accuracy: 0.8787
636/750 [======>....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8786
728/750 [======>.] - ETA: 0s - loss: 0.5335 - accuracy: 0.8786
750/750 [=====] - 1s 680us/step - loss: 0.5337 - accuracy: 0.8783 - val_loss: 0.5650 - val_accuracy: 0.8662
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.6249 - accuracy: 0.8281
92/750 [==>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.8731
182/750 [=====>.....] - ETA: 0s - loss: 0.5465 - accuracy: 0.8719

273/750 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy: 0.8756
360/750 [=====>.....] - ETA: 0s - loss: 0.5373 - accuracy: 0.8776
451/750 [=====>.....] - ETA: 0s - loss: 0.5332 - accuracy: 0.8790
544/750 [=====>.....] - ETA: 0s - loss: 0.5345 - accuracy: 0.8790
630/750 [=====>.....] - ETA: 0s - loss: 0.5342 - accuracy: 0.8790
722/750 [=====>..] - ETA: 0s - loss: 0.5327 - accuracy: 0.8795
750/750 [=====] - 1s 686us/step - loss: 0.5330 - accuracy: 0.8793 - val_loss: 0.5647 - val_accuracy: 0.8655
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.4839 - accuracy: 0.8594
93/750 [==>.....] - ETA: 0s - loss: 0.5196 - accuracy: 0.8836
182/750 [=====>.....] - ETA: 0s - loss: 0.5299 - accuracy: 0.8790
271/750 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy: 0.8786
360/750 [=====>.....] - ETA: 0s - loss: 0.5347 - accuracy: 0.8778
451/750 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy: 0.8784
543/750 [=====>.....] - ETA: 0s - loss: 0.5339 - accuracy: 0.8781
632/750 [=====>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.8795
724/750 [=====>..] - ETA: 0s - loss: 0.5324 - accuracy: 0.8793
750/750 [=====] - 1s 684us/step - loss: 0.5321 - accuracy: 0.8795 - val_loss: 0.5611 - val_accuracy: 0.8676
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.7056 - accuracy: 0.8281
91/750 [==>.....] - ETA: 0s - loss: 0.5289 - accuracy: 0.8815
180/750 [=====>.....] - ETA: 0s - loss: 0.5389 - accuracy: 0.8763
269/750 [=====>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.8785
360/750 [=====>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.8797
447/750 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy: 0.8792

540/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy: 0.8792
632/750 [=====>.....] - ETA: 0s - loss: 0.5306 - accuracy: 0.8791
722/750 [=====>..] - ETA: 0s - loss: 0.5313 - accuracy: 0.8789
750/750 [=====] - 1s 682us/step - loss: 0.5314 - accuracy: 0.8787 - val_loss: 0.5612 - val_accuracy: 0.8671
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.4756 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.8773
183/750 [=====>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8816
273/750 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8806
364/750 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8810
457/750 [=====>.....] - ETA: 0s - loss: 0.5289 - accuracy: 0.8809
548/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8809
627/750 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy: 0.8805
716/750 [=====>..] - ETA: 0s - loss: 0.5305 - accuracy: 0.8798
750/750 [=====] - 1s 685us/step - loss: 0.5306 - accuracy: 0.8795 - val_loss: 0.5608 - val_accuracy: 0.8680
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.4505 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.5354 - accuracy: 0.8757
183/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy: 0.8768
273/750 [=====>.....] - ETA: 0s - loss: 0.5327 - accuracy: 0.8783
364/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy: 0.8791
458/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy: 0.8795
547/750 [=====>.....] - ETA: 0s - loss: 0.5289 - accuracy: 0.8802
637/750 [=====>.....] - ETA: 0s - loss: 0.5294 - accuracy: 0.8807
724/750 [=====>..] - ETA: 0s - loss: 0.5296 - accuracy: 0.8805

750/750 [=====] - 1s 685us/step - loss: 0.5301 - accuracy: 0.8803 - val_loss: 0.5606 - val_accuracy: 0.8673
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.4632 - accuracy: 0.9375
85/750 [==>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.8792
175/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy: 0.8838
268/750 [=====>.....] - ETA: 0s - loss: 0.5272 - accuracy: 0.8813
358/750 [======>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.8794
449/750 [======>.....] - ETA: 0s - loss: 0.5301 - accuracy: 0.8790
539/750 [======>.....] - ETA: 0s - loss: 0.5295 - accuracy: 0.8801
630/750 [======>.....] - ETA: 0s - loss: 0.5298 - accuracy: 0.8794
722/750 [======>..] - ETA: 0s - loss: 0.5292 - accuracy: 0.8796
750/750 [=====] - 1s 688us/step - loss: 0.5293 - accuracy: 0.8796 - val_loss: 0.5586 - val_accuracy: 0.8673
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.8846
172/750 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy: 0.8800
259/750 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.8760
348/750 [======>.....] - ETA: 0s - loss: 0.5372 - accuracy: 0.8776
437/750 [======>.....] - ETA: 0s - loss: 0.5330 - accuracy: 0.8786
524/750 [======>.....] - ETA: 0s - loss: 0.5306 - accuracy: 0.8794
613/750 [======>.....] - ETA: 0s - loss: 0.5311 - accuracy: 0.8795
705/750 [======>..] - ETA: 0s - loss: 0.5290 - accuracy: 0.8799
750/750 [=====] - 1s 709us/step - loss: 0.5284 - accuracy: 0.8799 - val_loss: 0.5585 - val_accuracy: 0.8675
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.4244 - accuracy: 0.9531

84/750 [==>.....] - ETA: 0s - loss: 0.5298 - accuracy: 0.8798
170/750 [=====>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.8794
260/750 [=====>.....] - ETA: 0s - loss: 0.5308 - accuracy: 0.8784
351/750 [======>.....] - ETA: 0s - loss: 0.5288 - accuracy: 0.8793
421/750 [======>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8789
512/750 [======>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.8792
603/750 [======>.....] - ETA: 0s - loss: 0.5283 - accuracy: 0.8790
691/750 [======>...] - ETA: 0s - loss: 0.5285 - accuracy: 0.8792
750/750 [=====] - 1s 708us/step - loss: 0.5276 - accuracy: 0.8798 - val_loss: 0.5594 - val_accuracy: 0.8679
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.4523 - accuracy: 0.9375
93/750 [==>.....] - ETA: 0s - loss: 0.5291 - accuracy: 0.8832
187/750 [=====>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.8824
277/750 [=====>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.8815
368/750 [======>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.8800
456/750 [======>.....] - ETA: 0s - loss: 0.5337 - accuracy: 0.8795
548/750 [======>.....] - ETA: 0s - loss: 0.5310 - accuracy: 0.8798
642/750 [======>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8798
733/750 [======>.] - ETA: 0s - loss: 0.5267 - accuracy: 0.8807
750/750 [=====] - 1s 680us/step - loss: 0.5269 - accuracy: 0.8806 - val_loss: 0.5602 - val_accuracy: 0.8669
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.5063 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.5163 - accuracy: 0.8826
182/750 [=====>.....] - ETA: 0s - loss: 0.5236 - accuracy: 0.8806
275/750 [=====>.....] - ETA: 0s - loss: 0.5258 - accuracy: 0.8781

364/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy: 0.8805
454/750 [=====>.....] - ETA: 0s - loss: 0.5253 - accuracy: 0.8799
543/750 [=====>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.8799
633/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.8802
726/750 [=====>..] - ETA: 0s - loss: 0.5257 - accuracy: 0.8804
750/750 [=====] - 1s 686us/step - loss: 0.5259 - accuracy: 0.8802 - val_loss: 0.5577 - val_accuracy: 0.8673
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8438
94/750 [==>.....] - ETA: 0s - loss: 0.5265 - accuracy: 0.8790
181/750 [=====>.....] - ETA: 0s - loss: 0.5221 - accuracy: 0.8831
270/750 [=====>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.8814
362/750 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy: 0.8819
449/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy: 0.8799
539/750 [=====>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8794
631/750 [=====>.....] - ETA: 0s - loss: 0.5259 - accuracy: 0.8797
721/750 [=====>..] - ETA: 0s - loss: 0.5263 - accuracy: 0.8800
750/750 [=====] - 1s 685us/step - loss: 0.5255 - accuracy: 0.8804 - val_loss: 0.5564 - val_accuracy: 0.8672
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.4857 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.8769
183/750 [=====>.....] - ETA: 0s - loss: 0.5289 - accuracy: 0.8788
274/750 [=====>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.8811
364/750 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy: 0.8806
453/750 [=====>.....] - ETA: 0s - loss: 0.5239 - accuracy: 0.8799
543/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.8806

633/750 [=====>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.8814
724/750 [=====>..] - ETA: 0s - loss: 0.5243 - accuracy: 0.8805
750/750 [=====] - 1s 681us/step - loss: 0.5247 - accuracy: 0.8806 - val_loss: 0.5585 - val_accuracy: 0.8682
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.4529 - accuracy: 0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.5523 - accuracy: 0.8693
183/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.8754
271/750 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy: 0.8767
356/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8780
445/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8769
531/750 [=====>.....] - ETA: 0s - loss: 0.5262 - accuracy: 0.8784
622/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.8791
718/750 [=====>..] - ETA: 0s - loss: 0.5246 - accuracy: 0.8800
750/750 [=====] - 1s 690us/step - loss: 0.5240 - accuracy: 0.8803 - val_loss: 0.5558 - val_accuracy: 0.8683
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.4774 - accuracy: 0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.5320 - accuracy: 0.8817
184/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8839
272/750 [=====>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.8838
366/750 [=====>.....] - ETA: 0s - loss: 0.5212 - accuracy: 0.8833
457/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy: 0.8827
551/750 [=====>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.8827
644/750 [=====>.....] - ETA: 0s - loss: 0.5236 - accuracy: 0.8823
733/750 [=====>.] - ETA: 0s - loss: 0.5231 - accuracy: 0.8817
750/750 [=====] - 1s 673us/step - loss: 0.5234 - accuracy: 0.8812 - val_loss: 0.5558 - val_accuracy: 0.8684

Epoch 175/220

```
1/750 [.....] - ETA: 0s - loss: 0.4784 - accuracy: 0.8594
94/750 [==>.....] - ETA: 0s - loss: 0.5168 - accuracy: 0.8818
188/750 [=====>.....] - ETA: 0s - loss: 0.5266 - accuracy: 0.8783
279/750 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy: 0.8804
371/750 [======>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.8824
463/750 [======>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.8819
554/750 [======>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.8813
649/750 [======>.....] - ETA: 0s - loss: 0.5239 - accuracy: 0.8808
740/750 [======>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8814
750/750 [=====] - 1s 672us/step - loss: 0.5225 - accuracy: 0.8816 - val_loss: 0.5547 - val_accuracy: 0.8677
Epoch 176/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6422 - accuracy: 0.8125
94/750 [==>.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.8865
188/750 [=====>.....] - ETA: 0s - loss: 0.5152 - accuracy: 0.8837
278/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.8838
369/750 [======>.....] - ETA: 0s - loss: 0.5171 - accuracy: 0.8831
463/750 [======>.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.8833
552/750 [======>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8820
645/750 [======>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.8822
737/750 [======>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.8824
750/750 [=====] - 1s 672us/step - loss: 0.5218 - accuracy: 0.8825 - val_loss: 0.5563 - val_accuracy: 0.8677
Epoch 177/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.9219
92/750 [==>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8811
```

186/750 [=====>.....] - ETA: 0s - loss: 0.5207 - accuracy: 0.8845
278/750 [=====>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8820
370/750 [=====>.....] - ETA: 0s - loss: 0.5262 - accuracy: 0.8812
461/750 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.8809
552/750 [=====>.....] - ETA: 0s - loss: 0.5231 - accuracy: 0.8813
645/750 [=====>.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.8812
738/750 [=====>.] - ETA: 0s - loss: 0.5213 - accuracy: 0.8816
750/750 [=====>.] - 1s 673us/step - loss: 0.5209 - accuracy: 0.8817 - val_loss: 0.5542 - val_accuracy: 0.8686
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.4741 - accuracy: 0.8438
92/750 [==>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.8765
184/750 [=====>.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.8800
278/750 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy: 0.8802
369/750 [=====>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.8813
460/750 [=====>.....] - ETA: 0s - loss: 0.5213 - accuracy: 0.8818
551/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.8814
645/750 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.8818
736/750 [=====>.] - ETA: 0s - loss: 0.5202 - accuracy: 0.8821
750/750 [=====>.] - 1s 672us/step - loss: 0.5202 - accuracy: 0.8821 - val_loss: 0.5525 - val_accuracy: 0.8682
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.4776 - accuracy: 0.9062
94/750 [==>.....] - ETA: 0s - loss: 0.5243 - accuracy: 0.8790
188/750 [=====>.....] - ETA: 0s - loss: 0.5149 - accuracy: 0.8850
280/750 [=====>.....] - ETA: 0s - loss: 0.5139 - accuracy: 0.8855
368/750 [=====>.....] - ETA: 0s - loss: 0.5189 - accuracy: 0.8827

462/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy: 0.8833
555/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.8824
650/750 [=====>....] - ETA: 0s - loss: 0.5186 - accuracy: 0.8820
741/750 [=====>.] - ETA: 0s - loss: 0.5189 - accuracy: 0.8821
750/750 [=====] - 1s 670us/step - loss: 0.5195 - accuracy: 0.8819 - val_loss: 0.5558 - val_accuracy: 0.8685
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.5247 - accuracy: 0.8750
93/750 [==>.....] - ETA: 0s - loss: 0.5141 - accuracy: 0.8831
185/750 [=====>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.8802
280/750 [=====>.....] - ETA: 0s - loss: 0.5223 - accuracy: 0.8818
371/750 [=====>.....] - ETA: 0s - loss: 0.5242 - accuracy: 0.8818
464/750 [=====>.....] - ETA: 0s - loss: 0.5209 - accuracy: 0.8824
558/750 [=====>.....] - ETA: 0s - loss: 0.5213 - accuracy: 0.8818
649/750 [=====>....] - ETA: 0s - loss: 0.5191 - accuracy: 0.8823
741/750 [=====>.] - ETA: 0s - loss: 0.5191 - accuracy: 0.8824
750/750 [=====] - 1s 673us/step - loss: 0.5187 - accuracy: 0.8826 - val_loss: 0.5515 - val_accuracy: 0.8678
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.4565 - accuracy: 0.9375
95/750 [==>.....] - ETA: 0s - loss: 0.5327 - accuracy: 0.8762
186/750 [=====>.....] - ETA: 0s - loss: 0.5275 - accuracy: 0.8784
279/750 [=====>.....] - ETA: 0s - loss: 0.5243 - accuracy: 0.8803
370/750 [=====>.....] - ETA: 0s - loss: 0.5220 - accuracy: 0.8810
464/750 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy: 0.8808
555/750 [=====>.....] - ETA: 0s - loss: 0.5187 - accuracy: 0.8822
644/750 [=====>....] - ETA: 0s - loss: 0.5187 - accuracy: 0.8820

732/750 [=====>.] - ETA: 0s - loss: 0.5176 - accuracy:
0.8822
750/750 [=====] - 1s 678us/step - loss: 0.5180 - accuracy:
0.8821 - val_loss: 0.5557 - val_accuracy: 0.8675
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.5900 - accuracy:
0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.5311 - accuracy:
0.8748
181/750 [=====>.....] - ETA: 0s - loss: 0.5237 - accuracy:
0.8768
270/750 [=====>.....] - ETA: 0s - loss: 0.5231 - accuracy:
0.8773
361/750 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8785
452/750 [=====>.....] - ETA: 0s - loss: 0.5200 - accuracy:
0.8799
543/750 [=====>.....] - ETA: 0s - loss: 0.5180 - accuracy:
0.8814
634/750 [=====>.....] - ETA: 0s - loss: 0.5167 - accuracy:
0.8818
722/750 [=====>..] - ETA: 0s - loss: 0.5183 - accuracy:
0.8820
750/750 [=====] - 1s 684us/step - loss: 0.5174 - accuracy:
0.8824 - val_loss: 0.5511 - val_accuracy: 0.8695
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.6648 - accuracy:
0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.5079 - accuracy:
0.8885
182/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
0.8849
274/750 [=====>.....] - ETA: 0s - loss: 0.5198 - accuracy:
0.8841
362/750 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
0.8841
452/750 [=====>.....] - ETA: 0s - loss: 0.5153 - accuracy:
0.8845
540/750 [=====>.....] - ETA: 0s - loss: 0.5170 - accuracy:
0.8837
629/750 [=====>.....] - ETA: 0s - loss: 0.5180 - accuracy:
0.8830
721/750 [=====>..] - ETA: 0s - loss: 0.5173 - accuracy:
0.8833
750/750 [=====] - 1s 692us/step - loss: 0.5170 - accuracy:
0.8833 - val_loss: 0.5507 - val_accuracy: 0.8685
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.5884 - accuracy: 0.8594
92/750 [==>.....] - ETA: 0s - loss: 0.5296 - accuracy: 0.8784
185/750 [=====>.....] - ETA: 0s - loss: 0.5128 - accuracy: 0.8838
276/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8821
364/750 [======>.....] - ETA: 0s - loss: 0.5166 - accuracy: 0.8816
451/750 [======>.....] - ETA: 0s - loss: 0.5165 - accuracy: 0.8830
543/750 [======>.....] - ETA: 0s - loss: 0.5158 - accuracy: 0.8833
630/750 [======>.....] - ETA: 0s - loss: 0.5156 - accuracy: 0.8831
721/750 [======>..] - ETA: 0s - loss: 0.5155 - accuracy: 0.8831
750/750 [=====] - 1s 685us/step - loss: 0.5160 - accuracy: 0.8832 - val_loss: 0.5495 - val_accuracy: 0.8687
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.8594
92/750 [==>.....] - ETA: 0s - loss: 0.5174 - accuracy: 0.8813
182/750 [=====>.....] - ETA: 0s - loss: 0.5174 - accuracy: 0.8821
274/750 [=====>.....] - ETA: 0s - loss: 0.5179 - accuracy: 0.8812
362/750 [======>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.8801
452/750 [======>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.8811
544/750 [======>.....] - ETA: 0s - loss: 0.5168 - accuracy: 0.8819
637/750 [======>.....] - ETA: 0s - loss: 0.5157 - accuracy: 0.8826
726/750 [======>..] - ETA: 0s - loss: 0.5153 - accuracy: 0.8830
750/750 [=====] - 1s 680us/step - loss: 0.5152 - accuracy: 0.8829 - val_loss: 0.5505 - val_accuracy: 0.8694
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.5068 - accuracy: 0.9375
92/750 [==>.....] - ETA: 0s - loss: 0.5217 - accuracy: 0.8799
185/750 [=====>.....] - ETA: 0s - loss: 0.5212 - accuracy: 0.8796

278/750 [=====>.....] - ETA: 0s - loss: 0.5142 - accuracy: 0.8823
370/750 [=====>.....] - ETA: 0s - loss: 0.5156 - accuracy: 0.8824
462/750 [=====>.....] - ETA: 0s - loss: 0.5147 - accuracy: 0.8822
553/750 [=====>.....] - ETA: 0s - loss: 0.5152 - accuracy: 0.8825
648/750 [=====>.....] - ETA: 0s - loss: 0.5145 - accuracy: 0.8826
739/750 [=====>.] - ETA: 0s - loss: 0.5148 - accuracy: 0.8834
750/750 [=====] - 1s 670us/step - loss: 0.5148 - accuracy: 0.8834 - val_loss: 0.5497 - val_accuracy: 0.8698
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.5449 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.5208 - accuracy: 0.8831
187/750 [=====>.....] - ETA: 0s - loss: 0.5183 - accuracy: 0.8824
274/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.8824
360/750 [=====>.....] - ETA: 0s - loss: 0.5190 - accuracy: 0.8809
453/750 [=====>.....] - ETA: 0s - loss: 0.5190 - accuracy: 0.8811
545/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8816
638/750 [=====>.....] - ETA: 0s - loss: 0.5140 - accuracy: 0.8824
731/750 [=====>.] - ETA: 0s - loss: 0.5145 - accuracy: 0.8828
750/750 [=====] - 1s 677us/step - loss: 0.5140 - accuracy: 0.8830 - val_loss: 0.5514 - val_accuracy: 0.8686
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.5780 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.4997 - accuracy: 0.8889
183/750 [=====>.....] - ETA: 0s - loss: 0.5025 - accuracy: 0.8857
276/750 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy: 0.8845
370/750 [=====>.....] - ETA: 0s - loss: 0.5098 - accuracy: 0.8849
461/750 [=====>.....] - ETA: 0s - loss: 0.5115 - accuracy: 0.8849

555/750 [=====>.....] - ETA: 0s - loss: 0.5125 - accuracy: 0.8840
648/750 [=====>.....] - ETA: 0s - loss: 0.5118 - accuracy: 0.8844
740/750 [=====>.] - ETA: 0s - loss: 0.5139 - accuracy: 0.8836
750/750 [=====] - 1s 669us/step - loss: 0.5131 - accuracy: 0.8839 - val_loss: 0.5483 - val_accuracy: 0.8695
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.7969
94/750 [==>.....] - ETA: 0s - loss: 0.5025 - accuracy: 0.8863
187/750 [=====>.....] - ETA: 0s - loss: 0.5030 - accuracy: 0.8886
278/750 [=====>.....] - ETA: 0s - loss: 0.5084 - accuracy: 0.8866
368/750 [=====>.....] - ETA: 0s - loss: 0.5127 - accuracy: 0.8854
457/750 [=====>.....] - ETA: 0s - loss: 0.5131 - accuracy: 0.8846
551/750 [=====>.....] - ETA: 0s - loss: 0.5119 - accuracy: 0.8841
644/750 [=====>.....] - ETA: 0s - loss: 0.5129 - accuracy: 0.8833
737/750 [=====>.] - ETA: 0s - loss: 0.5126 - accuracy: 0.8835
750/750 [=====] - 1s 672us/step - loss: 0.5128 - accuracy: 0.8832 - val_loss: 0.5476 - val_accuracy: 0.8697
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.6883 - accuracy: 0.8438
93/750 [==>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.8829
188/750 [=====>.....] - ETA: 0s - loss: 0.5186 - accuracy: 0.8828
278/750 [=====>.....] - ETA: 0s - loss: 0.5188 - accuracy: 0.8831
370/750 [=====>.....] - ETA: 0s - loss: 0.5136 - accuracy: 0.8853
461/750 [=====>.....] - ETA: 0s - loss: 0.5112 - accuracy: 0.8861
554/750 [=====>.....] - ETA: 0s - loss: 0.5106 - accuracy: 0.8857
647/750 [=====>.....] - ETA: 0s - loss: 0.5110 - accuracy: 0.8849
737/750 [=====>.] - ETA: 0s - loss: 0.5121 - accuracy: 0.8844

750/750 [=====] - 1s 672us/step - loss: 0.5119 - accuracy:
0.8844 - val_loss: 0.5469 - val_accuracy: 0.8703
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.3647 - accuracy:
0.9844
93/750 [==>.....] - ETA: 0s - loss: 0.5201 - accuracy:
0.8847
185/750 [=====>.....] - ETA: 0s - loss: 0.5136 - accuracy:
0.8841
278/750 [=====>.....] - ETA: 0s - loss: 0.5126 - accuracy:
0.8836
366/750 [======>.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.8826
459/750 [======>.....] - ETA: 0s - loss: 0.5105 - accuracy:
0.8835
551/750 [======>.....] - ETA: 0s - loss: 0.5111 - accuracy:
0.8832
643/750 [======>.....] - ETA: 0s - loss: 0.5104 - accuracy:
0.8843
735/750 [======>.] - ETA: 0s - loss: 0.5118 - accuracy:
0.8839
750/750 [=====] - 1s 673us/step - loss: 0.5114 - accuracy:
0.8842 - val_loss: 0.5491 - val_accuracy: 0.8697
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.3954 - accuracy:
0.9375
93/750 [==>.....] - ETA: 0s - loss: 0.5146 - accuracy:
0.8854
184/750 [=====>.....] - ETA: 0s - loss: 0.5190 - accuracy:
0.8838
275/750 [=====>.....] - ETA: 0s - loss: 0.5170 - accuracy:
0.8826
368/750 [======>.....] - ETA: 0s - loss: 0.5164 - accuracy:
0.8826
460/750 [======>.....] - ETA: 0s - loss: 0.5148 - accuracy:
0.8834
553/750 [======>.....] - ETA: 0s - loss: 0.5153 - accuracy:
0.8829
643/750 [======>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8835
734/750 [======>.] - ETA: 0s - loss: 0.5108 - accuracy:
0.8848
750/750 [=====] - 1s 673us/step - loss: 0.5103 - accuracy:
0.8848 - val_loss: 0.5461 - val_accuracy: 0.8710
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.3938 - accuracy:
0.9531

91/750 [==>.....] - ETA: 0s - loss: 0.5142 - accuracy: 0.8867
186/750 [=====>.....] - ETA: 0s - loss: 0.5118 - accuracy: 0.8858
278/750 [=====>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.8856
367/750 [=====>.....] - ETA: 0s - loss: 0.5115 - accuracy: 0.8847
458/750 [=====>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.8862
551/750 [=====>.....] - ETA: 0s - loss: 0.5098 - accuracy: 0.8855
644/750 [=====>.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8855
735/750 [=====>.] - ETA: 0s - loss: 0.5104 - accuracy: 0.8845
750/750 [=====>.] - 1s 674us/step - loss: 0.5099 - accuracy: 0.8846 - val_loss: 0.5466 - val_accuracy: 0.8693
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.4557 - accuracy: 0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.5079 - accuracy: 0.8851
184/750 [=====>.....] - ETA: 0s - loss: 0.5027 - accuracy: 0.8878
276/750 [=====>.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8853
367/750 [=====>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.8844
458/750 [=====>.....] - ETA: 0s - loss: 0.5098 - accuracy: 0.8839
547/750 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy: 0.8843
640/750 [=====>.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.8845
733/750 [=====>.] - ETA: 0s - loss: 0.5094 - accuracy: 0.8848
750/750 [=====>.] - 1s 678us/step - loss: 0.5092 - accuracy: 0.8849 - val_loss: 0.5465 - val_accuracy: 0.8699
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.4689 - accuracy: 0.9219
92/750 [==>.....] - ETA: 0s - loss: 0.5098 - accuracy: 0.8818
184/750 [=====>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.8815
279/750 [=====>.....] - ETA: 0s - loss: 0.5133 - accuracy: 0.8825

370/750 [=====>.....] - ETA: 0s - loss: 0.5075 - accuracy: 0.8849
459/750 [=====>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.8851
548/750 [=====>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.8848
635/750 [=====>.....] - ETA: 0s - loss: 0.5075 - accuracy: 0.8850
725/750 [=====>.] - ETA: 0s - loss: 0.5086 - accuracy: 0.8847
750/750 [=====] - 1s 682us/step - loss: 0.5086 - accuracy: 0.8848 - val_loss: 0.5453 - val_accuracy: 0.8724
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.4478 - accuracy: 0.8906
94/750 [==>.....] - ETA: 0s - loss: 0.4997 - accuracy: 0.8905
183/750 [=====>.....] - ETA: 0s - loss: 0.5066 - accuracy: 0.8870
275/750 [=====>.....] - ETA: 0s - loss: 0.5062 - accuracy: 0.8884
369/750 [=====>.....] - ETA: 0s - loss: 0.5056 - accuracy: 0.8884
460/750 [=====>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.8868
553/750 [=====>.....] - ETA: 0s - loss: 0.5097 - accuracy: 0.8865
648/750 [=====>.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8862
739/750 [=====>.] - ETA: 0s - loss: 0.5082 - accuracy: 0.8859
750/750 [=====] - 1s 676us/step - loss: 0.5080 - accuracy: 0.8860 - val_loss: 0.5439 - val_accuracy: 0.8722
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.5644 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.4975 - accuracy: 0.8895
176/750 [=====>.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.8840
264/750 [=====>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8842
356/750 [=====>.....] - ETA: 0s - loss: 0.5047 - accuracy: 0.8855
452/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy: 0.8864
544/750 [=====>.....] - ETA: 0s - loss: 0.5053 - accuracy: 0.8863

631/750 [=====>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.8857
724/750 [=====>..] - ETA: 0s - loss: 0.5080 - accuracy: 0.8849
750/750 [=====] - 1s 682us/step - loss: 0.5075 - accuracy: 0.8850 - val_loss: 0.5431 - val_accuracy: 0.8721
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.8438
91/750 [==>.....] - ETA: 0s - loss: 0.5039 - accuracy: 0.8894
183/750 [=====>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.8873
275/750 [=====>.....] - ETA: 0s - loss: 0.5024 - accuracy: 0.8885
364/750 [=====>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.8906
455/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy: 0.8880
546/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy: 0.8870
634/750 [=====>.....] - ETA: 0s - loss: 0.5041 - accuracy: 0.8867
728/750 [=====>.] - ETA: 0s - loss: 0.5061 - accuracy: 0.8859
750/750 [=====] - 1s 680us/step - loss: 0.5067 - accuracy: 0.8854 - val_loss: 0.5431 - val_accuracy: 0.8714
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.7231 - accuracy: 0.8125
95/750 [==>.....] - ETA: 0s - loss: 0.5240 - accuracy: 0.8750
188/750 [=====>.....] - ETA: 0s - loss: 0.5151 - accuracy: 0.8815
277/750 [=====>.....] - ETA: 0s - loss: 0.5099 - accuracy: 0.8826
364/750 [=====>.....] - ETA: 0s - loss: 0.5099 - accuracy: 0.8831
450/750 [=====>.....] - ETA: 0s - loss: 0.5056 - accuracy: 0.8852
539/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy: 0.8859
631/750 [=====>.....] - ETA: 0s - loss: 0.5042 - accuracy: 0.8859
718/750 [=====>..] - ETA: 0s - loss: 0.5054 - accuracy: 0.8853
750/750 [=====] - 1s 689us/step - loss: 0.5059 - accuracy: 0.8853 - val_loss: 0.5442 - val_accuracy: 0.8696

Epoch 200/220

```
1/750 [.....] - ETA: 0s - loss: 0.3857 - accuracy: 0.9531
93/750 [==>.....] - ETA: 0s - loss: 0.5142 - accuracy: 0.8782
188/750 [=====>.....] - ETA: 0s - loss: 0.5073 - accuracy: 0.8823
280/750 [======>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.8832
372/750 [======>.....] - ETA: 0s - loss: 0.5072 - accuracy: 0.8835
465/750 [======>.....] - ETA: 0s - loss: 0.5061 - accuracy: 0.8842
556/750 [======>.....] - ETA: 0s - loss: 0.5067 - accuracy: 0.8846
650/750 [======>....] - ETA: 0s - loss: 0.5079 - accuracy: 0.8844
739/750 [======>.] - ETA: 0s - loss: 0.5060 - accuracy: 0.8854
750/750 [=====] - 1s 669us/step - loss: 0.5055 - accuracy: 0.8857 - val_loss: 0.5421 - val_accuracy: 0.8720
Epoch 201/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5593 - accuracy: 0.8438
92/750 [==>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.8803
184/750 [=====>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.8842
276/750 [======>.....] - ETA: 0s - loss: 0.5030 - accuracy: 0.8880
367/750 [======>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.8878
456/750 [======>.....] - ETA: 0s - loss: 0.5025 - accuracy: 0.8878
545/750 [======>.....] - ETA: 0s - loss: 0.5050 - accuracy: 0.8864
632/750 [======>....] - ETA: 0s - loss: 0.5051 - accuracy: 0.8864
724/750 [======>..] - ETA: 0s - loss: 0.5050 - accuracy: 0.8860
750/750 [=====] - 1s 682us/step - loss: 0.5046 - accuracy: 0.8861 - val_loss: 0.5416 - val_accuracy: 0.8708
Epoch 202/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4660 - accuracy: 0.8750
93/750 [==>.....] - ETA: 0s - loss: 0.5087 - accuracy: 0.8858
```

184/750 [=====>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.8854
277/750 [=====>.....] - ETA: 0s - loss: 0.4969 - accuracy: 0.8898
367/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy: 0.8877
457/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy: 0.8881
548/750 [=====>.....] - ETA: 0s - loss: 0.5040 - accuracy: 0.8875
639/750 [=====>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.8876
730/750 [=====>.] - ETA: 0s - loss: 0.5043 - accuracy: 0.8870
750/750 [=====>] - 1s 680us/step - loss: 0.5042 - accuracy: 0.8871 - val_loss: 0.5408 - val_accuracy: 0.8701
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.4784 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.4941 - accuracy: 0.8913
177/750 [=====>.....] - ETA: 0s - loss: 0.4975 - accuracy: 0.8916
263/750 [=====>.....] - ETA: 0s - loss: 0.5029 - accuracy: 0.8883
358/750 [=====>.....] - ETA: 0s - loss: 0.4997 - accuracy: 0.8880
452/750 [=====>.....] - ETA: 0s - loss: 0.5009 - accuracy: 0.8872
545/750 [=====>.....] - ETA: 0s - loss: 0.5043 - accuracy: 0.8866
635/750 [=====>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.8867
726/750 [=====>.] - ETA: 0s - loss: 0.5037 - accuracy: 0.8871
750/750 [=====>] - 1s 680us/step - loss: 0.5034 - accuracy: 0.8869 - val_loss: 0.5407 - val_accuracy: 0.8708
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.5143 - accuracy: 0.8594
93/750 [==>.....] - ETA: 0s - loss: 0.4999 - accuracy: 0.8842
186/750 [=====>.....] - ETA: 0s - loss: 0.4935 - accuracy: 0.8883
275/750 [=====>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.8888
368/750 [=====>.....] - ETA: 0s - loss: 0.5002 - accuracy: 0.8876

458/750 [=====>.....] - ETA: 0s - loss: 0.5009 - accuracy:
0.8872
549/750 [=====>.....] - ETA: 0s - loss: 0.5012 - accuracy:
0.8863
640/750 [=====>.....] - ETA: 0s - loss: 0.5014 - accuracy:
0.8873
730/750 [=====>.] - ETA: 0s - loss: 0.5021 - accuracy:
0.8873
750/750 [=====] - 1s 678us/step - loss: 0.5027 - accuracy:
0.8874 - val_loss: 0.5406 - val_accuracy: 0.8733
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.6334 - accuracy:
0.8281
91/750 [==>.....] - ETA: 0s - loss: 0.4938 - accuracy:
0.8893
180/750 [=====>.....] - ETA: 0s - loss: 0.4929 - accuracy:
0.8919
265/750 [=====>.....] - ETA: 0s - loss: 0.5000 - accuracy:
0.8881
354/750 [=====>.....] - ETA: 0s - loss: 0.5020 - accuracy:
0.8870
447/750 [=====>.....] - ETA: 0s - loss: 0.5055 - accuracy:
0.8859
538/750 [=====>.....] - ETA: 0s - loss: 0.5042 - accuracy:
0.8858
628/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy:
0.8858
723/750 [=====>..] - ETA: 0s - loss: 0.5021 - accuracy:
0.8866
750/750 [=====] - 1s 678us/step - loss: 0.5021 - accuracy:
0.8863 - val_loss: 0.5421 - val_accuracy: 0.8705
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.4377 - accuracy:
0.8906
95/750 [==>.....] - ETA: 0s - loss: 0.4961 - accuracy:
0.8911
187/750 [=====>.....] - ETA: 0s - loss: 0.5027 - accuracy:
0.8870
281/750 [=====>.....] - ETA: 0s - loss: 0.5036 - accuracy:
0.8870
372/750 [=====>.....] - ETA: 0s - loss: 0.5009 - accuracy:
0.8879
466/750 [=====>.....] - ETA: 0s - loss: 0.4997 - accuracy:
0.8882
558/750 [=====>.....] - ETA: 0s - loss: 0.5009 - accuracy:
0.8877
648/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
0.8879

740/750 [=====>.] - ETA: 0s - loss: 0.5006 - accuracy:
0.8868
750/750 [=====] - 1s 670us/step - loss: 0.5015 - accuracy:
0.8864 - val_loss: 0.5420 - val_accuracy: 0.8702
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.5793 - accuracy:
0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.5112 - accuracy:
0.8819
176/750 [=====>.....] - ETA: 0s - loss: 0.5083 - accuracy:
0.8828
267/750 [=====>.....] - ETA: 0s - loss: 0.5018 - accuracy:
0.8865
359/750 [=====>.....] - ETA: 0s - loss: 0.5023 - accuracy:
0.8855
450/750 [=====>.....] - ETA: 0s - loss: 0.4993 - accuracy:
0.8873
544/750 [=====>.....] - ETA: 0s - loss: 0.5006 - accuracy:
0.8874
637/750 [=====>.....] - ETA: 0s - loss: 0.4999 - accuracy:
0.8881
729/750 [=====>.] - ETA: 0s - loss: 0.5005 - accuracy:
0.8876
750/750 [=====] - 1s 681us/step - loss: 0.5005 - accuracy:
0.8877 - val_loss: 0.5393 - val_accuracy: 0.8718
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.5008 - accuracy:
0.8750
92/750 [==>.....] - ETA: 0s - loss: 0.5067 - accuracy:
0.8821
187/750 [=====>.....] - ETA: 0s - loss: 0.5060 - accuracy:
0.8840
276/750 [=====>.....] - ETA: 0s - loss: 0.4981 - accuracy:
0.8876
369/750 [=====>.....] - ETA: 0s - loss: 0.5008 - accuracy:
0.8869
463/750 [=====>.....] - ETA: 0s - loss: 0.5013 - accuracy:
0.8867
553/750 [=====>.....] - ETA: 0s - loss: 0.5009 - accuracy:
0.8865
648/750 [=====>.....] - ETA: 0s - loss: 0.4988 - accuracy:
0.8875
742/750 [=====>.] - ETA: 0s - loss: 0.5003 - accuracy:
0.8869
750/750 [=====] - 1s 669us/step - loss: 0.5000 - accuracy:
0.8869 - val_loss: 0.5398 - val_accuracy: 0.8714
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.4848 - accuracy: 0.9062
92/750 [==>.....] - ETA: 0s - loss: 0.5104 - accuracy: 0.8813
185/750 [=====>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.8834
275/750 [=====>.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.8883
364/750 [======>.....] - ETA: 0s - loss: 0.5038 - accuracy: 0.8858
456/750 [======>.....] - ETA: 0s - loss: 0.5040 - accuracy: 0.8855
550/750 [======>.....] - ETA: 0s - loss: 0.5004 - accuracy: 0.8868
639/750 [======>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.8873
732/750 [======>.] - ETA: 0s - loss: 0.4994 - accuracy: 0.8877
750/750 [=====] - 1s 674us/step - loss: 0.4995 - accuracy: 0.8878 - val_loss: 0.5384 - val_accuracy: 0.8723
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.4049 - accuracy: 0.9375
95/750 [==>.....] - ETA: 0s - loss: 0.5106 - accuracy: 0.8849
185/750 [=====>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.8843
278/750 [=====>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.8849
372/750 [======>.....] - ETA: 0s - loss: 0.5047 - accuracy: 0.8860
461/750 [======>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.8868
554/750 [======>.....] - ETA: 0s - loss: 0.5017 - accuracy: 0.8871
645/750 [======>.....] - ETA: 0s - loss: 0.5004 - accuracy: 0.8877
737/750 [======>.] - ETA: 0s - loss: 0.4987 - accuracy: 0.8883
750/750 [=====] - 1s 672us/step - loss: 0.4988 - accuracy: 0.8883 - val_loss: 0.5403 - val_accuracy: 0.8706
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.4812 - accuracy: 0.9219
93/750 [==>.....] - ETA: 0s - loss: 0.4889 - accuracy: 0.8960
185/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy: 0.8914

274/750 [=====>.....] - ETA: 0s - loss: 0.4943 - accuracy: 0.8901
365/750 [=====>.....] - ETA: 0s - loss: 0.4981 - accuracy: 0.8883
458/750 [=====>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.8894
550/750 [=====>.....] - ETA: 0s - loss: 0.4954 - accuracy: 0.8886
644/750 [=====>.....] - ETA: 0s - loss: 0.4984 - accuracy: 0.8876
735/750 [=====>.] - ETA: 0s - loss: 0.4991 - accuracy: 0.8874
750/750 [=====] - 1s 673us/step - loss: 0.4986 - accuracy: 0.8876 - val_loss: 0.5379 - val_accuracy: 0.8721
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.4956 - accuracy: 0.8887
182/750 [=====>.....] - ETA: 0s - loss: 0.4942 - accuracy: 0.8892
275/750 [=====>.....] - ETA: 0s - loss: 0.4975 - accuracy: 0.8893
367/750 [=====>.....] - ETA: 0s - loss: 0.4933 - accuracy: 0.8905
460/750 [=====>.....] - ETA: 0s - loss: 0.4941 - accuracy: 0.8893
552/750 [=====>.....] - ETA: 0s - loss: 0.4960 - accuracy: 0.8886
645/750 [=====>.....] - ETA: 0s - loss: 0.4978 - accuracy: 0.8876
739/750 [=====>.] - ETA: 0s - loss: 0.4979 - accuracy: 0.8875
750/750 [=====] - 1s 672us/step - loss: 0.4977 - accuracy: 0.8874 - val_loss: 0.5366 - val_accuracy: 0.8730
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.9062
93/750 [==>.....] - ETA: 0s - loss: 0.5011 - accuracy: 0.8856
185/750 [=====>.....] - ETA: 0s - loss: 0.4992 - accuracy: 0.8863
278/750 [=====>.....] - ETA: 0s - loss: 0.5020 - accuracy: 0.8844
367/750 [=====>.....] - ETA: 0s - loss: 0.4994 - accuracy: 0.8855
459/750 [=====>.....] - ETA: 0s - loss: 0.4973 - accuracy: 0.8874

546/750 [=====>.....] - ETA: 0s - loss: 0.4956 - accuracy: 0.8887
638/750 [=====>.....] - ETA: 0s - loss: 0.4965 - accuracy: 0.8884
729/750 [=====>.] - ETA: 0s - loss: 0.4971 - accuracy: 0.8882
750/750 [=====] - 1s 681us/step - loss: 0.4970 - accuracy: 0.8881 - val_loss: 0.5370 - val_accuracy: 0.8733
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.4519 - accuracy: 0.9375
93/750 [==>.....] - ETA: 0s - loss: 0.4886 - accuracy: 0.8921
183/750 [=====>.....] - ETA: 0s - loss: 0.4867 - accuracy: 0.8923
272/750 [=====>.....] - ETA: 0s - loss: 0.4913 - accuracy: 0.8899
364/750 [=====>.....] - ETA: 0s - loss: 0.4938 - accuracy: 0.8896
454/750 [=====>.....] - ETA: 0s - loss: 0.4928 - accuracy: 0.8890
546/750 [=====>.....] - ETA: 0s - loss: 0.4937 - accuracy: 0.8889
635/750 [=====>.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.8885
726/750 [=====>.] - ETA: 0s - loss: 0.4963 - accuracy: 0.8882
750/750 [=====] - 1s 684us/step - loss: 0.4964 - accuracy: 0.8880 - val_loss: 0.5379 - val_accuracy: 0.8733
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.4297 - accuracy: 0.9219
94/750 [==>.....] - ETA: 0s - loss: 0.4884 - accuracy: 0.8886
185/750 [=====>.....] - ETA: 0s - loss: 0.4922 - accuracy: 0.8899
277/750 [=====>.....] - ETA: 0s - loss: 0.4929 - accuracy: 0.8882
369/750 [=====>.....] - ETA: 0s - loss: 0.4974 - accuracy: 0.8863
464/750 [=====>.....] - ETA: 0s - loss: 0.4971 - accuracy: 0.8867
553/750 [=====>.....] - ETA: 0s - loss: 0.4977 - accuracy: 0.8879
645/750 [=====>.....] - ETA: 0s - loss: 0.4958 - accuracy: 0.8888
736/750 [=====>.] - ETA: 0s - loss: 0.4953 - accuracy: 0.8887

750/750 [=====] - 1s 678us/step - loss: 0.4958 - accuracy: 0.8884 - val_loss: 0.5383 - val_accuracy: 0.8712
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.3625 - accuracy: 0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.4893 - accuracy: 0.8962
182/750 [=====>.....] - ETA: 0s - loss: 0.4931 - accuracy: 0.8916
275/750 [=====>.....] - ETA: 0s - loss: 0.4923 - accuracy: 0.8911
366/750 [======>.....] - ETA: 0s - loss: 0.4929 - accuracy: 0.8902
460/750 [======>.....] - ETA: 0s - loss: 0.4923 - accuracy: 0.8902
550/750 [======>.....] - ETA: 0s - loss: 0.4928 - accuracy: 0.8901
642/750 [======>.....] - ETA: 0s - loss: 0.4943 - accuracy: 0.8899
732/750 [======>.] - ETA: 0s - loss: 0.4949 - accuracy: 0.8896
750/750 [=====] - 1s 678us/step - loss: 0.4951 - accuracy: 0.8896 - val_loss: 0.5357 - val_accuracy: 0.8726
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.8750
94/750 [==>.....] - ETA: 0s - loss: 0.4889 - accuracy: 0.8900
182/750 [=====>.....] - ETA: 0s - loss: 0.4950 - accuracy: 0.8893
272/750 [=====>.....] - ETA: 0s - loss: 0.4929 - accuracy: 0.8894
365/750 [======>.....] - ETA: 0s - loss: 0.4948 - accuracy: 0.8888
458/750 [======>.....] - ETA: 0s - loss: 0.4955 - accuracy: 0.8888
551/750 [======>.....] - ETA: 0s - loss: 0.4942 - accuracy: 0.8898
641/750 [======>.....] - ETA: 0s - loss: 0.4939 - accuracy: 0.8896
734/750 [======>.] - ETA: 0s - loss: 0.4948 - accuracy: 0.8887
750/750 [=====] - 1s 673us/step - loss: 0.4945 - accuracy: 0.8888 - val_loss: 0.5362 - val_accuracy: 0.8740
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.4789 - accuracy: 0.8906

89/750 [==>.....] - ETA: 0s - loss: 0.5143 - accuracy: 0.8822
183/750 [=====>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.8849
275/750 [=====>.....] - ETA: 0s - loss: 0.5019 - accuracy: 0.8860
367/750 [======>.....] - ETA: 0s - loss: 0.4965 - accuracy: 0.8884
458/750 [======>.....] - ETA: 0s - loss: 0.4936 - accuracy: 0.8888
551/750 [======>.....] - ETA: 0s - loss: 0.4939 - accuracy: 0.8894
643/750 [======>.....] - ETA: 0s - loss: 0.4949 - accuracy: 0.8890
733/750 [======>.] - ETA: 0s - loss: 0.4945 - accuracy: 0.8892
750/750 [=====] - 1s 672us/step - loss: 0.4942 - accuracy: 0.8894 - val_loss: 0.5352 - val_accuracy: 0.8725
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.4281 - accuracy: 0.8906
92/750 [==>.....] - ETA: 0s - loss: 0.4988 - accuracy: 0.8871
184/750 [=====>.....] - ETA: 0s - loss: 0.4911 - accuracy: 0.8900
276/750 [=====>.....] - ETA: 0s - loss: 0.4935 - accuracy: 0.8882
366/750 [======>.....] - ETA: 0s - loss: 0.4928 - accuracy: 0.8884
457/750 [======>.....] - ETA: 0s - loss: 0.4968 - accuracy: 0.8875
551/750 [======>.....] - ETA: 0s - loss: 0.4964 - accuracy: 0.8882
642/750 [======>.....] - ETA: 0s - loss: 0.4960 - accuracy: 0.8877
737/750 [======>.] - ETA: 0s - loss: 0.4941 - accuracy: 0.8884
750/750 [=====] - 1s 672us/step - loss: 0.4935 - accuracy: 0.8889 - val_loss: 0.5341 - val_accuracy: 0.8732
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.3851 - accuracy: 0.9219
93/750 [==>.....] - ETA: 0s - loss: 0.4871 - accuracy: 0.8888
182/750 [=====>.....] - ETA: 0s - loss: 0.4884 - accuracy: 0.8884
272/750 [=====>.....] - ETA: 0s - loss: 0.4878 - accuracy: 0.8914

```

367/750 [=====>.....] - ETA: 0s - loss: 0.4951 - accuracy:
0.8889
457/750 [=====>.....] - ETA: 0s - loss: 0.4971 - accuracy:
0.8877
548/750 [=====>.....] - ETA: 0s - loss: 0.4954 - accuracy:
0.8882
641/750 [=====>.....] - ETA: 0s - loss: 0.4930 - accuracy:
0.8891
734/750 [=====>.] - ETA: 0s - loss: 0.4924 - accuracy:
0.8899
750/750 [=====] - 1s 672us/step - loss: 0.4928 - accuracy:
0.8896 - val_loss: 0.5361 - val_accuracy: 0.8716

```

```

1/313 [.....] - ETA: 3s - loss: 0.5323 - accuracy:
0.8438
116/313 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
0.8669
237/313 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy:
0.8652
313/313 [=====] - 0s 426us/step - loss: 0.5636 - accuracy:
0.8655
Testing loss: 0.5635800957679749
Testing accuracy: 86.54999732971191%

```

Running for Model 8/12

Model: "sequential_8"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510

```

Total params: 47,410
Trainable params: 47,410
Non-trainable params: 0

```

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50,

```
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50,  
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,  
'activation_function': 'softmax'}]
```

Epoch 1/220

```
1/750 [.....] - ETA: 3:07 - loss: 2.6295 - accuracy:  
0.0469  
67/750 [=>.....] - ETA: 0s - loss: 2.6052 - accuracy: 0.0921  
136/750 [====>.....] - ETA: 0s - loss: 2.5972 - accuracy:  
0.0966  
209/750 [=====>.....] - ETA: 0s - loss: 2.5880 - accuracy:  
0.1049  
284/750 [======>.....] - ETA: 0s - loss: 2.5794 - accuracy:  
0.1136  
354/750 [======>.....] - ETA: 0s - loss: 2.5727 - accuracy:  
0.1247  
428/750 [======>.....] - ETA: 0s - loss: 2.5661 - accuracy:  
0.1344  
503/750 [======>.....] - ETA: 0s - loss: 2.5596 - accuracy:  
0.1435  
577/750 [======>.....] - ETA: 0s - loss: 2.5535 - accuracy:  
0.1523  
652/750 [======>....] - ETA: 0s - loss: 2.5473 - accuracy:  
0.1616  
728/750 [======>.] - ETA: 0s - loss: 2.5412 - accuracy:  
0.1698  
750/750 [=====] - 1s 933us/step - loss: 2.5396 - accuracy:  
0.1720 - val_loss: 2.4805 - val_accuracy: 0.2500  
Epoch 2/220
```

```
1/750 [.....] - ETA: 0s - loss: 2.4693 - accuracy:  
0.3125  
78/750 [=>.....] - ETA: 0s - loss: 2.4722 - accuracy:  
0.2680  
152/750 [====>.....] - ETA: 0s - loss: 2.4654 - accuracy:  
0.2707  
227/750 [=====>.....] - ETA: 0s - loss: 2.4592 - accuracy:  
0.2726  
304/750 [======>.....] - ETA: 0s - loss: 2.4510 - accuracy:  
0.2816  
381/750 [======>.....] - ETA: 0s - loss: 2.4430 - accuracy:  
0.2845  
457/750 [======>.....] - ETA: 0s - loss: 2.4343 - accuracy:  
0.2891  
533/750 [======>.....] - ETA: 0s - loss: 2.4259 - accuracy:  
0.2935  
611/750 [======>....] - ETA: 0s - loss: 2.4165 - accuracy:  
0.2975  
689/750 [======>...] - ETA: 0s - loss: 2.4061 - accuracy:
```


0.3026
750/750 [=====] - 1s 802us/step - loss: 2.3978 - accuracy:
0.3061 - val_loss: 2.2935 - val_accuracy: 0.3543
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.2649 - accuracy:
0.3750
75/750 [==>.....] - ETA: 0s - loss: 2.2745 - accuracy:
0.3600
150/750 [====>.....] - ETA: 0s - loss: 2.2642 - accuracy:
0.3669
227/750 [=====>.....] - ETA: 0s - loss: 2.2509 - accuracy:
0.3696
305/750 [======>.....] - ETA: 0s - loss: 2.2348 - accuracy:
0.3781
382/750 [======>.....] - ETA: 0s - loss: 2.2193 - accuracy:
0.3852
457/750 [======>.....] - ETA: 0s - loss: 2.2025 - accuracy:
0.3913
533/750 [======>.....] - ETA: 0s - loss: 2.1838 - accuracy:
0.4009
605/750 [======>.....] - ETA: 0s - loss: 2.1669 - accuracy:
0.4088
678/750 [======>...] - ETA: 0s - loss: 2.1496 - accuracy:
0.4147
750/750 [=====] - 1s 810us/step - loss: 2.1312 - accuracy:
0.4215 - val_loss: 1.9363 - val_accuracy: 0.4921
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 2.0241 - accuracy:
0.4219
77/750 [==>.....] - ETA: 0s - loss: 1.9150 - accuracy:
0.5006
153/750 [====>.....] - ETA: 0s - loss: 1.8935 - accuracy:
0.5055
230/750 [=====>.....] - ETA: 0s - loss: 1.8725 - accuracy:
0.5113
305/750 [======>.....] - ETA: 0s - loss: 1.8487 - accuracy:
0.5161
380/750 [======>.....] - ETA: 0s - loss: 1.8249 - accuracy:
0.5234
456/750 [======>.....] - ETA: 0s - loss: 1.8006 - accuracy:
0.5309
533/750 [======>.....] - ETA: 0s - loss: 1.7748 - accuracy:
0.5418
607/750 [======>.....] - ETA: 0s - loss: 1.7525 - accuracy:
0.5499
685/750 [======>...] - ETA: 0s - loss: 1.7289 - accuracy:
0.5576
750/750 [=====] - 1s 802us/step - loss: 1.7100 - accuracy:

0.5641 - val_loss: 1.4955 - val_accuracy: 0.6399
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 1.5520 - accuracy: 0.6094
75/750 [==>.....] - ETA: 0s - loss: 1.4582 - accuracy: 0.6498
149/750 [====>.....] - ETA: 0s - loss: 1.4495 - accuracy: 0.6531
223/750 [=====>.....] - ETA: 0s - loss: 1.4370 - accuracy: 0.6539
300/750 [======>.....] - ETA: 0s - loss: 1.4185 - accuracy: 0.6592
377/750 [======>.....] - ETA: 0s - loss: 1.4050 - accuracy: 0.6606
456/750 [======>.....] - ETA: 0s - loss: 1.3922 - accuracy: 0.6625
530/750 [======>.....] - ETA: 0s - loss: 1.3761 - accuracy: 0.6673
605/750 [======>.....] - ETA: 0s - loss: 1.3645 - accuracy: 0.6701
682/750 [======>...] - ETA: 0s - loss: 1.3506 - accuracy: 0.6719
750/750 [=====] - 1s 813us/step - loss: 1.3398 - accuracy: 0.6740 - val_loss: 1.2194 - val_accuracy: 0.7004
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 1.1611 - accuracy: 0.7188
77/750 [==>.....] - ETA: 0s - loss: 1.2078 - accuracy: 0.6997
156/750 [====>.....] - ETA: 0s - loss: 1.2066 - accuracy: 0.6983
232/750 [=====>.....] - ETA: 0s - loss: 1.1921 - accuracy: 0.7060
307/750 [======>.....] - ETA: 0s - loss: 1.1851 - accuracy: 0.7063
385/750 [======>.....] - ETA: 0s - loss: 1.1784 - accuracy: 0.7082
462/750 [======>.....] - ETA: 0s - loss: 1.1682 - accuracy: 0.7108
539/750 [======>.....] - ETA: 0s - loss: 1.1604 - accuracy: 0.7113
614/750 [======>.....] - ETA: 0s - loss: 1.1525 - accuracy: 0.7122
691/750 [======>...] - ETA: 0s - loss: 1.1467 - accuracy: 0.7136
750/750 [=====] - 1s 805us/step - loss: 1.1423 - accuracy: 0.7139 - val_loss: 1.0823 - val_accuracy: 0.7226
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 1.1494 - accuracy: 0.6562
77/750 [==>.....] - ETA: 0s - loss: 1.0704 - accuracy: 0.7313
154/750 [=====>.....] - ETA: 0s - loss: 1.0740 - accuracy: 0.7284
230/750 [=====>.....] - ETA: 0s - loss: 1.0677 - accuracy: 0.7325
307/750 [======>.....] - ETA: 0s - loss: 1.0639 - accuracy: 0.7317
382/750 [======>.....] - ETA: 0s - loss: 1.0585 - accuracy: 0.7336
457/750 [======>.....] - ETA: 0s - loss: 1.0506 - accuracy: 0.7348
535/750 [======>.....] - ETA: 0s - loss: 1.0499 - accuracy: 0.7330
610/750 [======>.....] - ETA: 0s - loss: 1.0466 - accuracy: 0.7329
687/750 [======>...] - ETA: 0s - loss: 1.0436 - accuracy: 0.7333
750/750 [=====] - 1s 805us/step - loss: 1.0402 - accuracy: 0.7345 - val_loss: 1.0061 - val_accuracy: 0.7372
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 1.1383 - accuracy: 0.6562
76/750 [==>.....] - ETA: 0s - loss: 0.9853 - accuracy: 0.7385
152/750 [=====>.....] - ETA: 0s - loss: 0.9916 - accuracy: 0.7401
229/750 [=====>.....] - ETA: 0s - loss: 0.9843 - accuracy: 0.7452
305/750 [======>.....] - ETA: 0s - loss: 0.9876 - accuracy: 0.7455
381/750 [======>.....] - ETA: 0s - loss: 0.9876 - accuracy: 0.7461
458/750 [======>.....] - ETA: 0s - loss: 0.9842 - accuracy: 0.7482
531/750 [======>.....] - ETA: 0s - loss: 0.9850 - accuracy: 0.7478
607/750 [======>.....] - ETA: 0s - loss: 0.9820 - accuracy: 0.7486
681/750 [======>...] - ETA: 0s - loss: 0.9805 - accuracy: 0.7488
750/750 [=====] - 1s 810us/step - loss: 0.9785 - accuracy: 0.7493 - val_loss: 0.9576 - val_accuracy: 0.7503
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 1.0900 - accuracy:

0.7344 [.....] - ETA: 0s - loss: 0.9661 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.9661 - accuracy:
0.7486 [.....] - ETA: 0s - loss: 0.9571 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.9571 - accuracy:
0.7552 [.....] - ETA: 0s - loss: 0.9505 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.9505 - accuracy:
0.7565 [.....] - ETA: 0s - loss: 0.9461 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.9461 - accuracy:
0.7572 [.....] - ETA: 0s - loss: 0.9472 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.9472 - accuracy:
0.7579 [.....] - ETA: 0s - loss: 0.9437 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.9437 - accuracy:
0.7603 [.....] - ETA: 0s - loss: 0.9442 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.9442 - accuracy:
0.7596 [.....] - ETA: 0s - loss: 0.9416 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.9416 - accuracy:
0.7596 [.....] - ETA: 0s - loss: 0.9392 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.9392 - accuracy:
0.7596 [.....] - ETA: 0s - loss: 0.9379 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.9379 - accuracy:
0.7604 - val_loss: 0.9231 - val_accuracy: 0.7607
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.9099 - accuracy:
0.7344 [.....] - ETA: 0s - loss: 0.9402 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.9402 - accuracy:
0.7510 [.....] - ETA: 0s - loss: 0.9366 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.9366 - accuracy:
0.7540 [.....] - ETA: 0s - loss: 0.9305 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.9305 - accuracy:
0.7607 [.....] - ETA: 0s - loss: 0.9215 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.9215 - accuracy:
0.7658 [.....] - ETA: 0s - loss: 0.9207 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.9207 - accuracy:
0.7659 [.....] - ETA: 0s - loss: 0.9143 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.9143 - accuracy:
0.7686 [.....] - ETA: 0s - loss: 0.9118 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.9118 - accuracy:
0.7689 [.....] - ETA: 0s - loss: 0.9117 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.9117 - accuracy:
0.7697 [.....] - ETA: 0s - loss: 0.9104 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.9104 - accuracy:
0.7703 [.....] - ETA: 0s - loss: 0.9088 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.9088 - accuracy:
0.7704 - val_loss: 0.8978 - val_accuracy: 0.7696
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.8642 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.8843 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.8843 - accuracy:

0.7839 [=====>.....] - ETA: 0s - loss: 0.8920 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.8920 - accuracy:
0.7754 [=====>.....] - ETA: 0s - loss: 0.8920 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.8920 - accuracy:
0.7748 [=====>.....] - ETA: 0s - loss: 0.8935 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.8935 - accuracy:
0.7741 [=====>.....] - ETA: 0s - loss: 0.8896 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.8896 - accuracy:
0.7748 [=====>.....] - ETA: 0s - loss: 0.8884 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.8884 - accuracy:
0.7750 [=====>.....] - ETA: 0s - loss: 0.8895 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.8895 - accuracy:
0.7748 [=====>.....] - ETA: 0s - loss: 0.8893 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.8893 - accuracy:
0.7748 [=====>.....] - ETA: 0s - loss: 0.8868 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.8868 - accuracy:
0.7758 [=====>...] - ETA: 0s - loss: 0.8861 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.8861 - accuracy:
0.7762 - val_loss: 0.8771 - val_accuracy: 0.7771
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 1.0215 - accuracy:
0.7344 [.....] - ETA: 0s - loss: 0.8818 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.8818 - accuracy:
0.7762 [==>.....] - ETA: 0s - loss: 0.8768 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.8768 - accuracy:
0.7816 [====>.....] - ETA: 0s - loss: 0.8788 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.8788 - accuracy:
0.7819 [=====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
0.7828 [=====>.....] - ETA: 0s - loss: 0.8699 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.8699 - accuracy:
0.7849 [=====>.....] - ETA: 0s - loss: 0.8694 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.8694 - accuracy:
0.7849 [=====>.....] - ETA: 0s - loss: 0.8697 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.8697 - accuracy:
0.7835 [=====>.....] - ETA: 0s - loss: 0.8683 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.8683 - accuracy:
0.7842 [=====>.....] - ETA: 0s - loss: 0.8690 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.8690 - accuracy:
0.7828 [=====>...] - ETA: 0s - loss: 0.8678 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.8678 - accuracy:
0.7836 - val_loss: 0.8610 - val_accuracy: 0.7812
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.9228 - accuracy:
0.7344 [.....] - ETA: 0s - loss: 0.8628 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.8628 - accuracy:
0.7900 [==>.....] - ETA: 0s - loss: 0.8469 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.8469 - accuracy:

0.7939 [=====>.....] - ETA: 0s - loss: 0.8470 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.8468 - accuracy:
0.7935 [=====>.....] - ETA: 0s - loss: 0.8491 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.8497 - accuracy:
0.7921 [=====>.....] - ETA: 0s - loss: 0.8510 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.8516 - accuracy:
0.7915 [=====>.....] - ETA: 0s - loss: 0.8518 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.8527 - accuracy:
0.7905 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
532/750 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
0.7894 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
609/750 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
0.7899 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
683/750 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
0.7899 [=====>.....] - ETA: 0s - loss: 0.8490 - val_accuracy: 0.7850
750/750 [=====] - 1s 810us/step - loss: 0.8527 - accuracy:
0.7897 - val_loss: 0.8490 - val_accuracy: 0.7850
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.8154 - accuracy:
0.7656 [==>.....] - ETA: 0s - loss: 0.8395 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.8388 - accuracy:
0.7930 [====>.....] - ETA: 0s - loss: 0.8385 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.8385 - accuracy:
0.7908 [====>.....] - ETA: 0s - loss: 0.8422 - accuracy:
228/750 [====>.....] - ETA: 0s - loss: 0.8403 - accuracy:
0.7925 [====>.....] - ETA: 0s - loss: 0.8397 - accuracy:
305/750 [====>.....] - ETA: 0s - loss: 0.8387 - accuracy:
0.7934 [====>.....] - ETA: 0s - loss: 0.8383 - accuracy:
381/750 [====>.....] - ETA: 0s - loss: 0.8380 - accuracy:
0.7948 [====>.....] - ETA: 0s - loss: 0.8400 - accuracy:
457/750 [====>.....] - ETA: 0s - loss: 0.8400 - accuracy:
0.7954 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
534/750 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
0.7958 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
610/750 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
0.7956 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
686/750 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
0.7949 [====>.....] - ETA: 0s - loss: 0.8358 - val_accuracy: 0.7902
750/750 [====>.....] - 1s 806us/step - loss: 0.8400 - accuracy:
0.7940 - val_loss: 0.8358 - val_accuracy: 0.7902
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.6460 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.8333 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.8348 - accuracy:
0.7959 [====>.....] - ETA: 0s - loss: 0.8373 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.8373 - accuracy:
0.7956 [====>.....] - ETA: 0s - loss: 0.8373 - accuracy:
227/750 [====>.....] - ETA: 0s - loss: 0.8373 - accuracy:

0.7945 [=====>.....] - ETA: 0s - loss: 0.8350 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.8331 - accuracy:
0.7963 [=====>.....] - ETA: 0s - loss: 0.8292 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.8272 - accuracy:
0.7965 [=====>.....] - ETA: 0s - loss: 0.8298 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.8284 - accuracy:
0.7978 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
0.7990 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
0.7974 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
0.7973 [=====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.8287 - accuracy:
0.7977 - val_loss: 0.8252 - val_accuracy: 0.7967
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.8408 - accuracy:
0.7812 [==>.....] - ETA: 0s - loss: 0.8005 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.8085 - accuracy:
0.8083 [====>.....] - ETA: 0s - loss: 0.8128 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.8145 - accuracy:
0.8049 [====>.....] - ETA: 0s - loss: 0.8162 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.8167 - accuracy:
0.8045 [====>.....] - ETA: 0s - loss: 0.8166 - accuracy:
307/750 [====>.....] - ETA: 0s - loss: 0.8166 - accuracy:
0.8045 [====>.....] - ETA: 0s - loss: 0.8169 - accuracy:
384/750 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.8042 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
460/750 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.8035 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
537/750 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.8037 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
615/750 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.8032 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
692/750 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.8036 [====>.....] - ETA: 0s - loss: 0.8189 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.8189 - accuracy:
0.8024 - val_loss: 0.8158 - val_accuracy: 0.8013
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.8325 - accuracy:
0.7812 [==>.....] - ETA: 0s - loss: 0.8129 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.8170 - accuracy:
0.8105 [====>.....] - ETA: 0s - loss: 0.8177 - accuracy:
157/750 [====>.....] - ETA: 0s - loss: 0.8177 - accuracy:
0.8049 [====>.....] - ETA: 0s - loss: 0.8177 - accuracy:
234/750 [====>.....] - ETA: 0s - loss: 0.8177 - accuracy:
0.8052 [====>.....] - ETA: 0s - loss: 0.8177 - accuracy:
312/750 [====>.....] - ETA: 0s - loss: 0.8177 - accuracy:

0.8056 [=====>.....] - ETA: 0s - loss: 0.8093 - accuracy:
389/750 [=====>.....] - ETA: 0s - loss: 0.8093 - accuracy:
0.8058 [=====>.....] - ETA: 0s - loss: 0.8106 - accuracy:
467/750 [=====>.....] - ETA: 0s - loss: 0.8110 - accuracy:
0.8047 [=====>.....] - ETA: 0s - loss: 0.8107 - accuracy:
544/750 [=====>.....] - ETA: 0s - loss: 0.8103 - accuracy:
0.8046 [=====>.....] - ETA: 0s - loss: 0.8097 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.8091 - accuracy:
0.8042 [=====>.....] - ETA: 0s - loss: 0.8091 - accuracy:
699/750 [=====>.....] - ETA: 0s - loss: 0.8091 - accuracy:
0.8056 [=====>.....] - ETA: 0s - loss: 0.8091 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.8097 - accuracy:
0.8059 - val_loss: 0.8091 - val_accuracy: 0.8033
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.9443 - accuracy:
0.7500 [==>.....] - ETA: 0s - loss: 0.8068 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.8014 - accuracy:
0.8121 [==>.....] - ETA: 0s - loss: 0.8045 - accuracy:
155/750 [==>.....] - ETA: 0s - loss: 0.8049 - accuracy:
0.8109 [==>.....] - ETA: 0s - loss: 0.8027 - accuracy:
230/750 [==>.....] - ETA: 0s - loss: 0.8026 - accuracy:
0.8088 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
309/750 [==>.....] - ETA: 0s - loss: 0.8005 - accuracy:
0.8097 [==>.....] - ETA: 0s - loss: 0.8015 - accuracy:
385/750 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8099 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
460/750 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8096 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
537/750 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8092 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
610/750 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8095 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
686/750 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8092 [==>.....] - ETA: 0s - loss: 0.8019 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.8019 - accuracy:
0.8091 - val_loss: 0.8011 - val_accuracy: 0.8057
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.7409 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.8030 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.8010 - accuracy:
0.8068 [==>.....] - ETA: 0s - loss: 0.7962 - accuracy:
154/750 [==>.....] - ETA: 0s - loss: 0.7990 - accuracy:
0.8097 [==>.....] - ETA: 0s - loss: 0.8006 - accuracy:
231/750 [==>.....] - ETA: 0s - loss: 0.8006 - accuracy:
0.8119 [==>.....] - ETA: 0s - loss: 0.8006 - accuracy:
307/750 [==>.....] - ETA: 0s - loss: 0.8006 - accuracy:
0.8104 [==>.....] - ETA: 0s - loss: 0.8006 - accuracy:
385/750 [==>.....] - ETA: 0s - loss: 0.8006 - accuracy:

0.8108
462/750 [=====>.....] - ETA: 0s - loss: 0.8004 - accuracy:
0.8105
539/750 [=====>.....] - ETA: 0s - loss: 0.7984 - accuracy:
0.8104
616/750 [=====>.....] - ETA: 0s - loss: 0.7972 - accuracy:
0.8105
691/750 [=====>...] - ETA: 0s - loss: 0.7966 - accuracy:
0.8115
750/750 [=====] - 1s 805us/step - loss: 0.7943 - accuracy:
0.8124 - val_loss: 0.7943 - val_accuracy: 0.8074
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.7037 - accuracy:
0.7500
78/750 [==>.....] - ETA: 0s - loss: 0.7964 - accuracy:
0.8019
154/750 [====>.....] - ETA: 0s - loss: 0.7901 - accuracy:
0.8067
230/750 [=====>.....] - ETA: 0s - loss: 0.7888 - accuracy:
0.8104
305/750 [=====>.....] - ETA: 0s - loss: 0.7908 - accuracy:
0.8114
381/750 [=====>.....] - ETA: 0s - loss: 0.7910 - accuracy:
0.8119
456/750 [=====>.....] - ETA: 0s - loss: 0.7879 - accuracy:
0.8140
523/750 [=====>.....] - ETA: 0s - loss: 0.7899 - accuracy:
0.8136
594/750 [=====>.....] - ETA: 0s - loss: 0.7896 - accuracy:
0.8136
668/750 [=====>....] - ETA: 0s - loss: 0.7891 - accuracy:
0.8142
745/750 [=====>.] - ETA: 0s - loss: 0.7876 - accuracy:
0.8147
750/750 [=====] - 1s 825us/step - loss: 0.7876 - accuracy:
0.8146 - val_loss: 0.7879 - val_accuracy: 0.8105
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.9143 - accuracy:
0.7031
76/750 [==>.....] - ETA: 0s - loss: 0.7990 - accuracy:
0.8090
152/750 [====>.....] - ETA: 0s - loss: 0.7928 - accuracy:
0.8117
229/750 [=====>.....] - ETA: 0s - loss: 0.7859 - accuracy:
0.8160
305/750 [=====>.....] - ETA: 0s - loss: 0.7832 - accuracy:
0.8153
382/750 [=====>.....] - ETA: 0s - loss: 0.7809 - accuracy:

0.8169
458/750 [=====>.....] - ETA: 0s - loss: 0.7804 - accuracy:
0.8177
535/750 [=====>.....] - ETA: 0s - loss: 0.7779 - accuracy:
0.8186
610/750 [=====>.....] - ETA: 0s - loss: 0.7771 - accuracy:
0.8190
683/750 [=====>...] - ETA: 0s - loss: 0.7797 - accuracy:
0.8183
750/750 [=====] - 1s 814us/step - loss: 0.7811 - accuracy:
0.8177 - val_loss: 0.7811 - val_accuracy: 0.8142
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.7575 - accuracy:
0.8281
75/750 [==>.....] - ETA: 0s - loss: 0.7702 - accuracy:
0.8256
151/750 [====>.....] - ETA: 0s - loss: 0.7643 - accuracy:
0.8233
228/750 [=====>.....] - ETA: 0s - loss: 0.7688 - accuracy:
0.8228
304/750 [=====>.....] - ETA: 0s - loss: 0.7701 - accuracy:
0.8214
382/750 [=====>.....] - ETA: 0s - loss: 0.7716 - accuracy:
0.8205
459/750 [=====>.....] - ETA: 0s - loss: 0.7736 - accuracy:
0.8191
534/750 [=====>.....] - ETA: 0s - loss: 0.7757 - accuracy:
0.8186
611/750 [=====>.....] - ETA: 0s - loss: 0.7744 - accuracy:
0.8196
687/750 [=====>...] - ETA: 0s - loss: 0.7753 - accuracy:
0.8188
750/750 [=====] - 1s 808us/step - loss: 0.7748 - accuracy:
0.8192 - val_loss: 0.7765 - val_accuracy: 0.8144
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.8507 - accuracy:
0.7969
77/750 [==>.....] - ETA: 0s - loss: 0.7651 - accuracy:
0.8257
153/750 [====>.....] - ETA: 0s - loss: 0.7732 - accuracy:
0.8213
229/750 [=====>.....] - ETA: 0s - loss: 0.7719 - accuracy:
0.8225
307/750 [=====>.....] - ETA: 0s - loss: 0.7747 - accuracy:
0.8205
384/750 [=====>.....] - ETA: 0s - loss: 0.7736 - accuracy:
0.8204
461/750 [=====>.....] - ETA: 0s - loss: 0.7731 - accuracy:

0.8197 [=====>.....] - ETA: 0s - loss: 0.7700 - accuracy: 0.8209
611/750 [=====>.....] - ETA: 0s - loss: 0.7675 - accuracy: 0.8217
686/750 [=====>...] - ETA: 0s - loss: 0.7688 - accuracy: 0.8215
750/750 [=====] - 1s 808us/step - loss: 0.7694 - accuracy: 0.8216 - val_loss: 0.7719 - val_accuracy: 0.8168
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.8750
78/750 [==>.....] - ETA: 0s - loss: 0.7600 - accuracy: 0.8265
155/750 [====>.....] - ETA: 0s - loss: 0.7641 - accuracy: 0.8222
231/750 [=====>.....] - ETA: 0s - loss: 0.7624 - accuracy: 0.8223
307/750 [=====>.....] - ETA: 0s - loss: 0.7643 - accuracy: 0.8234
384/750 [=====>.....] - ETA: 0s - loss: 0.7655 - accuracy: 0.8228
460/750 [=====>.....] - ETA: 0s - loss: 0.7610 - accuracy: 0.8245
536/750 [=====>.....] - ETA: 0s - loss: 0.7652 - accuracy: 0.8225
612/750 [=====>.....] - ETA: 0s - loss: 0.7658 - accuracy: 0.8223
687/750 [=====>...] - ETA: 0s - loss: 0.7655 - accuracy: 0.8223
750/750 [=====] - 1s 808us/step - loss: 0.7638 - accuracy: 0.8232 - val_loss: 0.7665 - val_accuracy: 0.8173
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.7230 - accuracy: 0.8438
77/750 [==>.....] - ETA: 0s - loss: 0.7438 - accuracy: 0.8310
153/750 [====>.....] - ETA: 0s - loss: 0.7463 - accuracy: 0.8268
228/750 [=====>.....] - ETA: 0s - loss: 0.7464 - accuracy: 0.8298
306/750 [=====>.....] - ETA: 0s - loss: 0.7517 - accuracy: 0.8273
382/750 [=====>.....] - ETA: 0s - loss: 0.7501 - accuracy: 0.8283
458/750 [=====>.....] - ETA: 0s - loss: 0.7523 - accuracy: 0.8264
536/750 [=====>.....] - ETA: 0s - loss: 0.7579 - accuracy:

0.8243 [=====>.....] - ETA: 0s - loss: 0.7585 - accuracy:
0.8241 [=====>.....] - ETA: 0s - loss: 0.7591 - accuracy:
685/750 [=====>...] - ETA: 0s - loss: 0.7590 - accuracy:
0.8245 [=====] - 1s 805us/step - loss: 0.7590 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.7590 - accuracy:
0.8251 - val_loss: 0.7613 - val_accuracy: 0.8221
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.7622 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.7579 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.7579 - accuracy:
0.8297 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy:
0.8288 [=====>.....] - ETA: 0s - loss: 0.7503 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.7503 - accuracy:
0.8297 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
0.8290 [=====>.....] - ETA: 0s - loss: 0.7489 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.7489 - accuracy:
0.8300 [=====>.....] - ETA: 0s - loss: 0.7491 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.7491 - accuracy:
0.8298 [=====>.....] - ETA: 0s - loss: 0.7537 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.7537 - accuracy:
0.8286 [=====>.....] - ETA: 0s - loss: 0.7539 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.7539 - accuracy:
0.8278 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy:
685/750 [=====>...] - ETA: 0s - loss: 0.7543 - accuracy:
0.8271 [=====] - 1s 813us/step - loss: 0.7543 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.7543 - accuracy:
0.8269 - val_loss: 0.7567 - val_accuracy: 0.8236
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.6346 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.7471 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.7471 - accuracy:
0.8318 [=====>.....] - ETA: 0s - loss: 0.7433 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.7433 - accuracy:
0.8330 [=====>.....] - ETA: 0s - loss: 0.7465 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.7465 - accuracy:
0.8306 [=====>.....] - ETA: 0s - loss: 0.7476 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.7476 - accuracy:
0.8304 [=====>.....] - ETA: 0s - loss: 0.7458 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.7458 - accuracy:
0.8303 [=====>.....] - ETA: 0s - loss: 0.7466 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.7466 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.7470 - accuracy:
0.8302 [=====>.....] - ETA: 0s - loss: 0.7463 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.7463 - accuracy:

0.8303 [=====>...] - ETA: 0s - loss: 0.7476 - accuracy: 0.8295
750/750 [=====] - 1s 809us/step - loss: 0.7493 - accuracy: 0.8289 - val_loss: 0.7532 - val_accuracy: 0.8261
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.8254 - accuracy: 0.7500
79/750 [==>.....] - ETA: 0s - loss: 0.7410 - accuracy: 0.8311
153/750 [====>.....] - ETA: 0s - loss: 0.7428 - accuracy: 0.8297
230/750 [=====>.....] - ETA: 0s - loss: 0.7486 - accuracy: 0.8280
305/750 [=====>.....] - ETA: 0s - loss: 0.7478 - accuracy: 0.8314
381/750 [=====>.....] - ETA: 0s - loss: 0.7464 - accuracy: 0.8311
458/750 [=====>.....] - ETA: 0s - loss: 0.7474 - accuracy: 0.8305
533/750 [=====>.....] - ETA: 0s - loss: 0.7457 - accuracy: 0.8307
609/750 [=====>.....] - ETA: 0s - loss: 0.7430 - accuracy: 0.8317
686/750 [=====>...] - ETA: 0s - loss: 0.7440 - accuracy: 0.8306
750/750 [=====] - 1s 808us/step - loss: 0.7454 - accuracy: 0.8302 - val_loss: 0.7495 - val_accuracy: 0.8262
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.6899 - accuracy: 0.8281
78/750 [==>.....] - ETA: 0s - loss: 0.7350 - accuracy: 0.8293
154/750 [====>.....] - ETA: 0s - loss: 0.7559 - accuracy: 0.8262
229/750 [=====>.....] - ETA: 0s - loss: 0.7427 - accuracy: 0.8319
305/750 [=====>.....] - ETA: 0s - loss: 0.7417 - accuracy: 0.8318
383/750 [=====>.....] - ETA: 0s - loss: 0.7415 - accuracy: 0.8322
458/750 [=====>.....] - ETA: 0s - loss: 0.7418 - accuracy: 0.8322
533/750 [=====>.....] - ETA: 0s - loss: 0.7419 - accuracy: 0.8333
612/750 [=====>.....] - ETA: 0s - loss: 0.7395 - accuracy: 0.8340
687/750 [=====>...] - ETA: 0s - loss: 0.7401 - accuracy:

0.8339
750/750 [=====] - 1s 802us/step - loss: 0.7409 - accuracy:
0.8334 - val_loss: 0.7480 - val_accuracy: 0.8278
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.5901 - accuracy:
0.8594
77/750 [==>.....] - ETA: 0s - loss: 0.7268 - accuracy:
0.8356
155/750 [====>.....] - ETA: 0s - loss: 0.7349 - accuracy:
0.8350
230/750 [=====>.....] - ETA: 0s - loss: 0.7357 - accuracy:
0.8351
308/750 [=====>.....] - ETA: 0s - loss: 0.7375 - accuracy:
0.8340
384/750 [=====>.....] - ETA: 0s - loss: 0.7355 - accuracy:
0.8343
460/750 [=====>.....] - ETA: 0s - loss: 0.7338 - accuracy:
0.8347
539/750 [=====>.....] - ETA: 0s - loss: 0.7342 - accuracy:
0.8340
614/750 [=====>.....] - ETA: 0s - loss: 0.7340 - accuracy:
0.8343
693/750 [=====>...] - ETA: 0s - loss: 0.7365 - accuracy:
0.8330
750/750 [=====] - 1s 800us/step - loss: 0.7371 - accuracy:
0.8332 - val_loss: 0.7416 - val_accuracy: 0.8298
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.7425 - accuracy:
0.7812
78/750 [==>.....] - ETA: 0s - loss: 0.7346 - accuracy:
0.8325
153/750 [====>.....] - ETA: 0s - loss: 0.7297 - accuracy:
0.8351
231/750 [=====>.....] - ETA: 0s - loss: 0.7289 - accuracy:
0.8382
307/750 [=====>.....] - ETA: 0s - loss: 0.7292 - accuracy:
0.8386
383/750 [=====>.....] - ETA: 0s - loss: 0.7321 - accuracy:
0.8372
461/750 [=====>.....] - ETA: 0s - loss: 0.7332 - accuracy:
0.8366
538/750 [=====>.....] - ETA: 0s - loss: 0.7324 - accuracy:
0.8361
615/750 [=====>.....] - ETA: 0s - loss: 0.7331 - accuracy:
0.8353
692/750 [=====>...] - ETA: 0s - loss: 0.7336 - accuracy:
0.8343
750/750 [=====] - 1s 809us/step - loss: 0.7332 - accuracy:

0.8340 - val_loss: 0.7396 - val_accuracy: 0.8315
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.6285 - accuracy:
0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.7312 - accuracy:
0.8369
154/750 [====>.....] - ETA: 0s - loss: 0.7334 - accuracy:
0.8348
229/750 [=====>.....] - ETA: 0s - loss: 0.7395 - accuracy:
0.8332
306/750 [======>.....] - ETA: 0s - loss: 0.7359 - accuracy:
0.8340
385/750 [======>.....] - ETA: 0s - loss: 0.7339 - accuracy:
0.8349
460/750 [======>.....] - ETA: 0s - loss: 0.7336 - accuracy:
0.8353
538/750 [======>.....] - ETA: 0s - loss: 0.7293 - accuracy:
0.8368
615/750 [======>.....] - ETA: 0s - loss: 0.7291 - accuracy:
0.8363
690/750 [======>...] - ETA: 0s - loss: 0.7295 - accuracy:
0.8361
750/750 [=====] - 1s 805us/step - loss: 0.7296 - accuracy:
0.8362 - val_loss: 0.7350 - val_accuracy: 0.8310
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.6816 - accuracy:
0.8438
78/750 [==>.....] - ETA: 0s - loss: 0.7165 - accuracy:
0.8377
152/750 [====>.....] - ETA: 0s - loss: 0.7230 - accuracy:
0.8387
229/750 [=====>.....] - ETA: 0s - loss: 0.7243 - accuracy:
0.8396
297/750 [=====>.....] - ETA: 0s - loss: 0.7282 - accuracy:
0.8378
371/750 [======>.....] - ETA: 0s - loss: 0.7289 - accuracy:
0.8359
447/750 [======>.....] - ETA: 0s - loss: 0.7303 - accuracy:
0.8346
521/750 [======>.....] - ETA: 0s - loss: 0.7283 - accuracy:
0.8356
597/750 [======>.....] - ETA: 0s - loss: 0.7268 - accuracy:
0.8366
672/750 [======>...] - ETA: 0s - loss: 0.7260 - accuracy:
0.8378
746/750 [======>.] - ETA: 0s - loss: 0.7258 - accuracy:
0.8375
750/750 [=====] - 1s 820us/step - loss: 0.7258 - accuracy:

0.8374 - val_loss: 0.7325 - val_accuracy: 0.8328
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.6496 - accuracy:
0.8594
78/750 [==>.....] - ETA: 0s - loss: 0.7299 - accuracy:
0.8365
155/750 [=====>.....] - ETA: 0s - loss: 0.7288 - accuracy:
0.8380
230/750 [=====>.....] - ETA: 0s - loss: 0.7223 - accuracy:
0.8393
306/750 [======>.....] - ETA: 0s - loss: 0.7209 - accuracy:
0.8390
382/750 [======>.....] - ETA: 0s - loss: 0.7213 - accuracy:
0.8395
459/750 [======>.....] - ETA: 0s - loss: 0.7217 - accuracy:
0.8391
536/750 [======>.....] - ETA: 0s - loss: 0.7241 - accuracy:
0.8383
611/750 [======>.....] - ETA: 0s - loss: 0.7237 - accuracy:
0.8378
688/750 [======>...] - ETA: 0s - loss: 0.7217 - accuracy:
0.8388
750/750 [=====] - 1s 806us/step - loss: 0.7227 - accuracy:
0.8379 - val_loss: 0.7282 - val_accuracy: 0.8341
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.9022 - accuracy:
0.7031
79/750 [==>.....] - ETA: 0s - loss: 0.7216 - accuracy:
0.8382
154/750 [=====>.....] - ETA: 0s - loss: 0.7183 - accuracy:
0.8392
229/750 [=====>.....] - ETA: 0s - loss: 0.7231 - accuracy:
0.8389
305/750 [======>.....] - ETA: 0s - loss: 0.7218 - accuracy:
0.8392
379/750 [======>.....] - ETA: 0s - loss: 0.7205 - accuracy:
0.8396
456/750 [======>.....] - ETA: 0s - loss: 0.7205 - accuracy:
0.8407
532/750 [======>.....] - ETA: 0s - loss: 0.7230 - accuracy:
0.8394
608/750 [======>.....] - ETA: 0s - loss: 0.7214 - accuracy:
0.8404
685/750 [======>...] - ETA: 0s - loss: 0.7187 - accuracy:
0.8408
750/750 [=====] - 1s 806us/step - loss: 0.7196 - accuracy:
0.8397 - val_loss: 0.7265 - val_accuracy: 0.8346
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.7378 - accuracy: 0.8594
75/750 [==>.....] - ETA: 0s - loss: 0.7206 - accuracy: 0.8338
151/750 [=====>.....] - ETA: 0s - loss: 0.7293 - accuracy: 0.8341
228/750 [=====>.....] - ETA: 0s - loss: 0.7234 - accuracy: 0.8368
304/750 [======>.....] - ETA: 0s - loss: 0.7234 - accuracy: 0.8378
381/750 [======>.....] - ETA: 0s - loss: 0.7228 - accuracy: 0.8375
456/750 [======>.....] - ETA: 0s - loss: 0.7219 - accuracy: 0.8374
533/750 [======>.....] - ETA: 0s - loss: 0.7197 - accuracy: 0.8392
609/750 [======>.....] - ETA: 0s - loss: 0.7188 - accuracy: 0.8394
685/750 [======>...] - ETA: 0s - loss: 0.7162 - accuracy: 0.8399
750/750 [=====] - 1s 809us/step - loss: 0.7162 - accuracy: 0.8403 - val_loss: 0.7233 - val_accuracy: 0.8363
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.6606 - accuracy: 0.8125
76/750 [==>.....] - ETA: 0s - loss: 0.7213 - accuracy: 0.8361
154/750 [=====>.....] - ETA: 0s - loss: 0.7283 - accuracy: 0.8357
229/750 [=====>.....] - ETA: 0s - loss: 0.7192 - accuracy: 0.8382
307/750 [======>.....] - ETA: 0s - loss: 0.7178 - accuracy: 0.8382
385/750 [======>.....] - ETA: 0s - loss: 0.7173 - accuracy: 0.8395
462/750 [======>.....] - ETA: 0s - loss: 0.7180 - accuracy: 0.8395
540/750 [======>.....] - ETA: 0s - loss: 0.7167 - accuracy: 0.8399
616/750 [======>.....] - ETA: 0s - loss: 0.7136 - accuracy: 0.8406
691/750 [======>...] - ETA: 0s - loss: 0.7146 - accuracy: 0.8405
750/750 [=====] - 1s 804us/step - loss: 0.7133 - accuracy: 0.8410 - val_loss: 0.7204 - val_accuracy: 0.8363
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.6610 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.6973 - accuracy: 0.8458
78/750 [==>.....] - ETA: 0s - loss: 0.6973 - accuracy: 0.8458
153/750 [====>.....] - ETA: 0s - loss: 0.7030 - accuracy: 0.8461
229/750 [=====>.....] - ETA: 0s - loss: 0.7043 - accuracy: 0.8467
302/750 [=====>.....] - ETA: 0s - loss: 0.7061 - accuracy: 0.8452
376/750 [=====>.....] - ETA: 0s - loss: 0.7082 - accuracy: 0.8440
454/750 [=====>.....] - ETA: 0s - loss: 0.7108 - accuracy: 0.8429
531/750 [=====>.....] - ETA: 0s - loss: 0.7095 - accuracy: 0.8432
609/750 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy: 0.8429
684/750 [=====>...] - ETA: 0s - loss: 0.7091 - accuracy: 0.8429
750/750 [=====] - 1s 809us/step - loss: 0.7103 - accuracy: 0.8424 - val_loss: 0.7173 - val_accuracy: 0.8379
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.7555 - accuracy: 0.7812
75/750 [==>.....] - ETA: 0s - loss: 0.7184 - accuracy: 0.8381
153/750 [====>.....] - ETA: 0s - loss: 0.7165 - accuracy: 0.8364
230/750 [=====>.....] - ETA: 0s - loss: 0.7125 - accuracy: 0.8388
305/750 [=====>.....] - ETA: 0s - loss: 0.7095 - accuracy: 0.8410
383/750 [=====>.....] - ETA: 0s - loss: 0.7081 - accuracy: 0.8428
460/750 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy: 0.8417
535/750 [=====>.....] - ETA: 0s - loss: 0.7072 - accuracy: 0.8430
614/750 [=====>.....] - ETA: 0s - loss: 0.7085 - accuracy: 0.8426
691/750 [=====>...] - ETA: 0s - loss: 0.7084 - accuracy: 0.8427
750/750 [=====] - 1s 802us/step - loss: 0.7077 - accuracy: 0.8426 - val_loss: 0.7160 - val_accuracy: 0.8375
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.7969
77/750 [==>.....] - ETA: 0s - loss: 0.7107 - accuracy:

0.8385 [.....] - ETA: 0s - loss: 0.7100 - accuracy: 0.8415
153/750 [=====>.....] - ETA: 0s - loss: 0.7098 - accuracy: 0.8425
228/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy: 0.8438
307/750 [=====>.....] - ETA: 0s - loss: 0.7065 - accuracy: 0.8436
381/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy: 0.8417
458/750 [=====>.....] - ETA: 0s - loss: 0.7072 - accuracy: 0.8430
536/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy: 0.8431
612/750 [=====>.....] - ETA: 0s - loss: 0.7060 - accuracy: 0.8433
688/750 [=====>...] - ETA: 0s - loss: 0.7047 - accuracy: 0.8439 - val_loss: 0.7151 - val_accuracy: 0.8387
750/750 [=====>.....] - 1s 802us/step - loss: 0.7047 - accuracy: 0.8439 - val_loss: 0.7151 - val_accuracy: 0.8387
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.7608 - accuracy: 0.7812
76/750 [==>.....] - ETA: 0s - loss: 0.7095 - accuracy: 0.8407
153/750 [=====>.....] - ETA: 0s - loss: 0.7026 - accuracy: 0.8439
230/750 [=====>.....] - ETA: 0s - loss: 0.7005 - accuracy: 0.8425
306/750 [=====>.....] - ETA: 0s - loss: 0.7016 - accuracy: 0.8435
381/750 [=====>.....] - ETA: 0s - loss: 0.6996 - accuracy: 0.8438
459/750 [=====>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.8447
533/750 [=====>.....] - ETA: 0s - loss: 0.6990 - accuracy: 0.8449
609/750 [=====>.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.8443
685/750 [=====>...] - ETA: 0s - loss: 0.7027 - accuracy: 0.8441
750/750 [=====>.....] - 1s 805us/step - loss: 0.7021 - accuracy: 0.8443 - val_loss: 0.7112 - val_accuracy: 0.8395
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.5514 - accuracy: 0.8906
77/750 [==>.....] - ETA: 0s - loss: 0.6942 - accuracy: 0.8468
153/750 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.8468

0.8468 [=====>.....] - ETA: 0s - loss: 0.6960 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.6960 - accuracy:
0.8470 [=====>.....] - ETA: 0s - loss: 0.6953 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.6953 - accuracy:
0.8469 [=====>.....] - ETA: 0s - loss: 0.6947 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6947 - accuracy:
0.8473 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy:
0.8467 [=====>.....] - ETA: 0s - loss: 0.6962 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.6962 - accuracy:
0.8459 [=====>.....] - ETA: 0s - loss: 0.6987 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.6987 - accuracy:
0.8451 [=====>.....] - ETA: 0s - loss: 0.6987 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.6987 - accuracy:
0.8449 [=====>...] - ETA: 0s - loss: 0.6995 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.6995 - accuracy:
0.8450 - val_loss: 0.7078 - val_accuracy: 0.8419
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.6753 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.7031 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.7031 - accuracy:
0.8413 [==>.....] - ETA: 0s - loss: 0.7014 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.7014 - accuracy:
0.8460 [====>.....] - ETA: 0s - loss: 0.7003 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.7003 - accuracy:
0.8465 [=====>.....] - ETA: 0s - loss: 0.6961 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.6961 - accuracy:
0.8487 [=====>.....] - ETA: 0s - loss: 0.6990 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.6990 - accuracy:
0.8469 [=====>.....] - ETA: 0s - loss: 0.6960 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.6960 - accuracy:
0.8473 [=====>.....] - ETA: 0s - loss: 0.6955 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.6955 - accuracy:
0.8475 [=====>.....] - ETA: 0s - loss: 0.6952 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.6952 - accuracy:
0.8478 [=====>.....] - ETA: 0s - loss: 0.6961 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.6961 - accuracy:
0.8470 [=====>...] - ETA: 0s - loss: 0.6969 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.6969 - accuracy:
0.8462 - val_loss: 0.7074 - val_accuracy: 0.8407
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.6579 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6890 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6890 - accuracy:
0.8468 [==>.....] - ETA: 0s - loss: 0.6902 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6902 - accuracy:
0.8485 [====>.....] - ETA: 0s - loss: 0.6907 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.6907 - accuracy:

0.8501 [.....] - ETA: 0s - loss: 0.6944 - accuracy: 308/750 [=====>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.8479 [.....] - ETA: 0s - loss: 0.6970 - accuracy: 384/750 [=====>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.8474 [.....] - ETA: 0s - loss: 0.6961 - accuracy: 462/750 [=====>.....] - ETA: 0s - loss: 0.6961 - accuracy: 0.8470 [.....] - ETA: 0s - loss: 0.6951 - accuracy: 538/750 [=====>.....] - ETA: 0s - loss: 0.6951 - accuracy: 0.8466 [.....] - ETA: 0s - loss: 0.6966 - accuracy: 616/750 [=====>.....] - ETA: 0s - loss: 0.6966 - accuracy: 0.8458 [.....] - ETA: 0s - loss: 0.6943 - accuracy: 691/750 [=====>...] - ETA: 0s - loss: 0.6943 - accuracy: 0.8471 [.....] - 1s 804us/step - loss: 0.6945 - accuracy: 0.8471 - val_loss: 0.7050 - val_accuracy: 0.8418
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.6536 - accuracy: 0.8750 [.....] - ETA: 0s - loss: 0.6858 - accuracy: 78/750 [==>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.8512 [.....] - ETA: 0s - loss: 0.6949 - accuracy: 156/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.8470 [.....] - ETA: 0s - loss: 0.6924 - accuracy: 232/750 [=====>.....] - ETA: 0s - loss: 0.6924 - accuracy: 0.8487 [.....] - ETA: 0s - loss: 0.6931 - accuracy: 308/750 [=====>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.8466 [.....] - ETA: 0s - loss: 0.6911 - accuracy: 385/750 [=====>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.8481 [.....] - ETA: 0s - loss: 0.6924 - accuracy: 462/750 [=====>.....] - ETA: 0s - loss: 0.6924 - accuracy: 0.8472 [.....] - ETA: 0s - loss: 0.6927 - accuracy: 539/750 [=====>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.8475 [.....] - ETA: 0s - loss: 0.6939 - accuracy: 615/750 [=====>.....] - ETA: 0s - loss: 0.6939 - accuracy: 0.8471 [.....] - ETA: 0s - loss: 0.6931 - accuracy: 691/750 [=====>...] - ETA: 0s - loss: 0.6931 - accuracy: 0.8472 [.....] - 1s 801us/step - loss: 0.6921 - accuracy: 0.8480 - val_loss: 0.7022 - val_accuracy: 0.8427
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.6974 - accuracy: 0.8125 [.....] - ETA: 0s - loss: 0.6935 - accuracy: 75/750 [==>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.8442 [.....] - ETA: 0s - loss: 0.6983 - accuracy: 153/750 [=====>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.8441 [.....] - ETA: 0s - loss: 0.7012 - accuracy: 230/750 [=====>.....] - ETA: 0s - loss: 0.7012 - accuracy: 0.8449 [.....] - ETA: 0s - loss: 0.6940 - accuracy: 307/750 [=====>.....] - ETA: 0s - loss: 0.6940 - accuracy:

0.8477 [=====>.....] - ETA: 0s - loss: 0.6972 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.6972 - accuracy:
0.8470 [=====>.....] - ETA: 0s - loss: 0.6939 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6932 - accuracy:
0.8474 [=====>.....] - ETA: 0s - loss: 0.6932 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.6904 - accuracy:
0.8471 [=====>.....] - ETA: 0s - loss: 0.6900 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.6900 - accuracy:
0.8480 [=====>.....] - ETA: 0s - loss: 0.6896 - accuracy:
691/750 [=====>.....] - ETA: 0s - loss: 0.6896 - accuracy:
0.8481 [=====>.....] - ETA: 0s - loss: 0.6896 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.6896 - accuracy:
0.8482 - val_loss: 0.7002 - val_accuracy: 0.8426
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.6877 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6940 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6940 - accuracy:
0.8456 [==>.....] - ETA: 0s - loss: 0.6938 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6921 - accuracy:
0.8478 [====>.....] - ETA: 0s - loss: 0.6923 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.6900 - accuracy:
0.8459 [=====>.....] - ETA: 0s - loss: 0.6884 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
0.8461 [=====>.....] - ETA: 0s - loss: 0.6871 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6869 - accuracy:
0.8464 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
0.8481 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
0.8490 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
0.8492 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
690/750 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
0.8495 [=====>.....] - ETA: 0s - loss: 0.6874 - accuracy:
750/750 [=====>.....] - 1s 802us/step - loss: 0.6874 - accuracy:
0.8492 - val_loss: 0.6972 - val_accuracy: 0.8449
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.6260 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6918 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6918 - accuracy:
0.8446 [==>.....] - ETA: 0s - loss: 0.6993 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6889 - accuracy:
0.8405 [====>.....] - ETA: 0s - loss: 0.6875 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy:
0.8447 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy:
0.8475 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.6872 - accuracy:

0.8478
463/750 [=====>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.8491
539/750 [=====>.....] - ETA: 0s - loss: 0.6850 - accuracy: 0.8487
614/750 [=====>.....] - ETA: 0s - loss: 0.6846 - accuracy: 0.8494
690/750 [=====>...] - ETA: 0s - loss: 0.6853 - accuracy: 0.8496
750/750 [=====] - 1s 802us/step - loss: 0.6851 - accuracy: 0.8495 - val_loss: 0.6954 - val_accuracy: 0.8457
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.7561 - accuracy: 0.7656
76/750 [==>.....] - ETA: 0s - loss: 0.6792 - accuracy: 0.8534
155/750 [====>.....] - ETA: 0s - loss: 0.6780 - accuracy: 0.8523
229/750 [=====>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.8513
307/750 [=====>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.8529
385/750 [=====>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.8519
460/750 [=====>.....] - ETA: 0s - loss: 0.6814 - accuracy: 0.8513
535/750 [=====>.....] - ETA: 0s - loss: 0.6810 - accuracy: 0.8519
612/750 [=====>.....] - ETA: 0s - loss: 0.6811 - accuracy: 0.8526
689/750 [=====>...] - ETA: 0s - loss: 0.6827 - accuracy: 0.8513
750/750 [=====] - 1s 802us/step - loss: 0.6829 - accuracy: 0.8511 - val_loss: 0.6954 - val_accuracy: 0.8459
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.7507 - accuracy: 0.8281
77/750 [==>.....] - ETA: 0s - loss: 0.6978 - accuracy: 0.8444
154/750 [====>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.8477
232/750 [=====>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.8495
309/750 [=====>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.8484
386/750 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.8518
462/750 [=====>.....] - ETA: 0s - loss: 0.6779 - accuracy:

0.8527 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8521 [=====>.....] - ETA: 0s - loss: 0.6795 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.6795 - accuracy:
0.8517 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.6799 - accuracy:
0.8514 [=====] - 1s 800us/step - loss: 0.6807 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.6807 - accuracy:
0.8510 - val_loss: 0.6945 - val_accuracy: 0.8472
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.5396 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.6856 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6856 - accuracy:
0.8460 [====>.....] - ETA: 0s - loss: 0.6805 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6805 - accuracy:
0.8502 [=====>.....] - ETA: 0s - loss: 0.6758 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.6758 - accuracy:
0.8511 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
0.8526 [=====>.....] - ETA: 0s - loss: 0.6773 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.6773 - accuracy:
0.8527 [=====>.....] - ETA: 0s - loss: 0.6794 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.6794 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.6812 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.6812 - accuracy:
0.8508 [=====>.....] - ETA: 0s - loss: 0.6768 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.6768 - accuracy:
0.8522 [=====>.....] - ETA: 0s - loss: 0.6777 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.6777 - accuracy:
0.8520 [=====>...] - ETA: 0s - loss: 0.6777 - accuracy:
750/750 [=====>] - 1s 805us/step - loss: 0.6788 - accuracy:
0.8516 - val_loss: 0.6914 - val_accuracy: 0.8482
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.6699 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.6662 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6662 - accuracy:
0.8575 [====>.....] - ETA: 0s - loss: 0.6722 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6722 - accuracy:
0.8555 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy:
0.8530 [=====>.....] - ETA: 0s - loss: 0.6707 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.6707 - accuracy:
0.8546 [=====>.....] - ETA: 0s - loss: 0.6733 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.6733 - accuracy:
0.8544 [=====>.....] - ETA: 0s - loss: 0.6775 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.6775 - accuracy:
0.8531 [=====>.....] - ETA: 0s - loss: 0.6802 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6802 - accuracy:

0.8518 [=====>.....] - ETA: 0s - loss: 0.6790 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.6790 - accuracy:
0.8523 [=====>.....] - ETA: 0s - loss: 0.6787 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 0.6787 - accuracy:
0.8523 [=====>.....] - ETA: 0s - loss: 0.6787 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.6768 - accuracy:
0.8529 - val_loss: 0.6894 - val_accuracy: 0.8462
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.7322 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.7322 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6664 - accuracy:
0.8546 [==>.....] - ETA: 0s - loss: 0.6664 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6679 - accuracy:
0.8549 [====>.....] - ETA: 0s - loss: 0.6679 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
0.8533 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.6763 - accuracy:
0.8534 [=====>.....] - ETA: 0s - loss: 0.6763 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6752 - accuracy:
0.8537 [=====>.....] - ETA: 0s - loss: 0.6752 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6760 - accuracy:
0.8527 [=====>.....] - ETA: 0s - loss: 0.6760 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.6740 - accuracy:
0.8528 [=====>.....] - ETA: 0s - loss: 0.6740 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.6740 - accuracy:
0.8530 [=====>.....] - ETA: 0s - loss: 0.6740 - accuracy:
688/750 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
0.8531 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.6748 - accuracy:
0.8535 - val_loss: 0.6878 - val_accuracy: 0.8467
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.8443 - accuracy:
0.7812 [.....] - ETA: 0s - loss: 0.8443 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6782 - accuracy:
0.8510 [==>.....] - ETA: 0s - loss: 0.6782 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6733 - accuracy:
0.8554 [====>.....] - ETA: 0s - loss: 0.6733 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.6775 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.6775 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.6743 - accuracy:
0.8527 [=====>.....] - ETA: 0s - loss: 0.6743 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.6781 - accuracy:
0.8509 [=====>.....] - ETA: 0s - loss: 0.6781 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6769 - accuracy:
0.8512 [=====>.....] - ETA: 0s - loss: 0.6769 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.6776 - accuracy:
0.8509 [=====>.....] - ETA: 0s - loss: 0.6776 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6736 - accuracy:

0.8516
691/750 [=====>...] - ETA: 0s - loss: 0.6729 - accuracy:
0.8518
750/750 [=====] - 1s 806us/step - loss: 0.6727 - accuracy:
0.8521 - val_loss: 0.6851 - val_accuracy: 0.8484
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.6838 - accuracy:
0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy:
0.8545
150/750 [=====>.....] - ETA: 0s - loss: 0.6682 - accuracy:
0.8552
227/750 [=====>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8530
301/750 [=====>.....] - ETA: 0s - loss: 0.6746 - accuracy:
0.8525
378/750 [=====>.....] - ETA: 0s - loss: 0.6722 - accuracy:
0.8530
456/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
0.8538
532/750 [=====>.....] - ETA: 0s - loss: 0.6689 - accuracy:
0.8539
609/750 [=====>.....] - ETA: 0s - loss: 0.6709 - accuracy:
0.8536
686/750 [=====>...] - ETA: 0s - loss: 0.6709 - accuracy:
0.8540
750/750 [=====] - 1s 812us/step - loss: 0.6710 - accuracy:
0.8539 - val_loss: 0.6837 - val_accuracy: 0.8490
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.6509 - accuracy:
0.8125
77/750 [=>.....] - ETA: 0s - loss: 0.6761 - accuracy:
0.8462
153/750 [=====>.....] - ETA: 0s - loss: 0.6681 - accuracy:
0.8509
230/750 [=====>.....] - ETA: 0s - loss: 0.6649 - accuracy:
0.8538
307/750 [=====>.....] - ETA: 0s - loss: 0.6711 - accuracy:
0.8522
385/750 [=====>.....] - ETA: 0s - loss: 0.6718 - accuracy:
0.8523
458/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
0.8541
533/750 [=====>.....] - ETA: 0s - loss: 0.6699 - accuracy:
0.8540
610/750 [=====>.....] - ETA: 0s - loss: 0.6684 - accuracy:
0.8541
686/750 [=====>...] - ETA: 0s - loss: 0.6694 - accuracy:

0.8543
750/750 [=====] - 1s 808us/step - loss: 0.6690 - accuracy:
0.8548 - val_loss: 0.6848 - val_accuracy: 0.8478
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.6906 - accuracy:
0.8438
77/750 [==>.....] - ETA: 0s - loss: 0.6770 - accuracy:
0.8472
153/750 [====>.....] - ETA: 0s - loss: 0.6663 - accuracy:
0.8531
228/750 [=====>.....] - ETA: 0s - loss: 0.6665 - accuracy:
0.8540
306/750 [=====>.....] - ETA: 0s - loss: 0.6642 - accuracy:
0.8551
381/750 [=====>.....] - ETA: 0s - loss: 0.6669 - accuracy:
0.8542
457/750 [=====>.....] - ETA: 0s - loss: 0.6695 - accuracy:
0.8541
535/750 [=====>.....] - ETA: 0s - loss: 0.6702 - accuracy:
0.8537
611/750 [=====>.....] - ETA: 0s - loss: 0.6696 - accuracy:
0.8543
686/750 [=====>...] - ETA: 0s - loss: 0.6683 - accuracy:
0.8546
750/750 [=====] - 1s 810us/step - loss: 0.6674 - accuracy:
0.8550 - val_loss: 0.6797 - val_accuracy: 0.8505
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.4767 - accuracy:
0.9531
69/750 [=>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8519
144/750 [====>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8533
223/750 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy:
0.8543
297/750 [=====>.....] - ETA: 0s - loss: 0.6638 - accuracy:
0.8551
373/750 [=====>.....] - ETA: 0s - loss: 0.6672 - accuracy:
0.8549
452/750 [=====>.....] - ETA: 0s - loss: 0.6657 - accuracy:
0.8559
527/750 [=====>.....] - ETA: 0s - loss: 0.6662 - accuracy:
0.8558
602/750 [=====>.....] - ETA: 0s - loss: 0.6649 - accuracy:
0.8558
678/750 [=====>...] - ETA: 0s - loss: 0.6667 - accuracy:
0.8554
750/750 [=====] - 1s 817us/step - loss: 0.6654 - accuracy:

0.8556 - val_loss: 0.6784 - val_accuracy: 0.8510
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.5883 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.6712 - accuracy:
0.8509
154/750 [====>.....] - ETA: 0s - loss: 0.6581 - accuracy:
0.8586
230/750 [=====>.....] - ETA: 0s - loss: 0.6607 - accuracy:
0.8564
307/750 [======>.....] - ETA: 0s - loss: 0.6575 - accuracy:
0.8578
383/750 [======>.....] - ETA: 0s - loss: 0.6595 - accuracy:
0.8568
460/750 [======>.....] - ETA: 0s - loss: 0.6594 - accuracy:
0.8570
533/750 [======>.....] - ETA: 0s - loss: 0.6629 - accuracy:
0.8560
603/750 [======>.....] - ETA: 0s - loss: 0.6632 - accuracy:
0.8562
677/750 [======>...] - ETA: 0s - loss: 0.6645 - accuracy:
0.8552
747/750 [======>.] - ETA: 0s - loss: 0.6638 - accuracy:
0.8557
750/750 [=====] - 1s 828us/step - loss: 0.6636 - accuracy:
0.8557 - val_loss: 0.6769 - val_accuracy: 0.8502
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.7678 - accuracy:
0.7969
77/750 [==>.....] - ETA: 0s - loss: 0.6623 - accuracy:
0.8533
152/750 [====>.....] - ETA: 0s - loss: 0.6610 - accuracy:
0.8571
229/750 [=====>.....] - ETA: 0s - loss: 0.6568 - accuracy:
0.8596
301/750 [======>.....] - ETA: 0s - loss: 0.6562 - accuracy:
0.8601
377/750 [======>.....] - ETA: 0s - loss: 0.6551 - accuracy:
0.8590
456/750 [======>.....] - ETA: 0s - loss: 0.6592 - accuracy:
0.8570
531/750 [======>.....] - ETA: 0s - loss: 0.6580 - accuracy:
0.8583
609/750 [======>.....] - ETA: 0s - loss: 0.6576 - accuracy:
0.8577
686/750 [======>...] - ETA: 0s - loss: 0.6614 - accuracy:
0.8568
750/750 [=====] - 1s 809us/step - loss: 0.6622 - accuracy:

0.8565 - val_loss: 0.6754 - val_accuracy: 0.8507
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.7091 - accuracy: 0.8125
70/750 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.8502
147/750 [====>.....] - ETA: 0s - loss: 0.6668 - accuracy: 0.8533
220/750 [=====>.....] - ETA: 0s - loss: 0.6557 - accuracy: 0.8599
296/750 [======>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.8603
373/750 [======>.....] - ETA: 0s - loss: 0.6557 - accuracy: 0.8595
449/750 [======>.....] - ETA: 0s - loss: 0.6607 - accuracy: 0.8577
524/750 [======>.....] - ETA: 0s - loss: 0.6610 - accuracy: 0.8575
602/750 [======>.....] - ETA: 0s - loss: 0.6615 - accuracy: 0.8573
678/750 [======>...] - ETA: 0s - loss: 0.6620 - accuracy: 0.8569
750/750 [=====] - 1s 816us/step - loss: 0.6603 - accuracy: 0.8570 - val_loss: 0.6739 - val_accuracy: 0.8518
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.7712 - accuracy: 0.7969
79/750 [=>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.8558
155/750 [====>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.8545
232/750 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy: 0.8549
311/750 [======>.....] - ETA: 0s - loss: 0.6621 - accuracy: 0.8573
386/750 [======>.....] - ETA: 0s - loss: 0.6620 - accuracy: 0.8562
462/750 [======>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.8565
540/750 [======>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.8569
616/750 [======>.....] - ETA: 0s - loss: 0.6601 - accuracy: 0.8564
693/750 [======>...] - ETA: 0s - loss: 0.6597 - accuracy: 0.8562
750/750 [=====] - 1s 805us/step - loss: 0.6586 - accuracy: 0.8568 - val_loss: 0.6741 - val_accuracy: 0.8503
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.7411 - accuracy: 0.7656
76/750 [==>.....] - ETA: 0s - loss: 0.6675 - accuracy: 0.8567
152/750 [=====>.....] - ETA: 0s - loss: 0.6616 - accuracy: 0.8587
231/750 [=====>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.8573
306/750 [======>.....] - ETA: 0s - loss: 0.6625 - accuracy: 0.8571
384/750 [======>.....] - ETA: 0s - loss: 0.6576 - accuracy: 0.8580
461/750 [======>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.8584
535/750 [======>.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.8576
613/750 [======>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.8580
687/750 [======>...] - ETA: 0s - loss: 0.6562 - accuracy: 0.8586
750/750 [=====] - 1s 808us/step - loss: 0.6570 - accuracy: 0.8582 - val_loss: 0.6731 - val_accuracy: 0.8518
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.6626 - accuracy: 0.8556
154/750 [=====>.....] - ETA: 0s - loss: 0.6575 - accuracy: 0.8587
231/750 [=====>.....] - ETA: 0s - loss: 0.6615 - accuracy: 0.8559
307/750 [======>.....] - ETA: 0s - loss: 0.6620 - accuracy: 0.8547
383/750 [======>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.8543
458/750 [======>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.8560
531/750 [======>.....] - ETA: 0s - loss: 0.6585 - accuracy: 0.8572
607/750 [======>.....] - ETA: 0s - loss: 0.6550 - accuracy: 0.8581
684/750 [======>...] - ETA: 0s - loss: 0.6564 - accuracy: 0.8583
750/750 [=====] - 1s 812us/step - loss: 0.6555 - accuracy: 0.8584 - val_loss: 0.6715 - val_accuracy: 0.8513
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.6106 - accuracy:

0.8438 [.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8594
79/750 [==>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8594
153/750 [=====>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.8580
229/750 [=====>.....] - ETA: 0s - loss: 0.6577 - accuracy: 0.8579
304/750 [======>.....] - ETA: 0s - loss: 0.6582 - accuracy: 0.8569
381/750 [======>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.8574
456/750 [======>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.8575
530/750 [======>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.8580
606/750 [======>.....] - ETA: 0s - loss: 0.6552 - accuracy: 0.8579
685/750 [======>...] - ETA: 0s - loss: 0.6537 - accuracy: 0.8586
750/750 [=====] - 1s 808us/step - loss: 0.6538 - accuracy: 0.8581 - val_loss: 0.6708 - val_accuracy: 0.8537
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.8488 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.8664
151/750 [=====>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.8585
228/750 [=====>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.8572
302/750 [======>.....] - ETA: 0s - loss: 0.6601 - accuracy: 0.8572
380/750 [======>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.8576
457/750 [======>.....] - ETA: 0s - loss: 0.6577 - accuracy: 0.8578
533/750 [======>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.8589
611/750 [======>.....] - ETA: 0s - loss: 0.6534 - accuracy: 0.8597
686/750 [======>...] - ETA: 0s - loss: 0.6540 - accuracy: 0.8594
750/750 [=====] - 1s 809us/step - loss: 0.6523 - accuracy: 0.8596 - val_loss: 0.6682 - val_accuracy: 0.8518
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.7301 - accuracy: 0.8594
79/750 [==>.....] - ETA: 0s - loss: 0.6479 - accuracy:

0.8637 [=====>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.8617
231/750 [=====>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.8603
309/750 [=====>.....] - ETA: 0s - loss: 0.6509 - accuracy: 0.8610
385/750 [=====>.....] - ETA: 0s - loss: 0.6510 - accuracy: 0.8608
462/750 [=====>.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.8607
539/750 [=====>.....] - ETA: 0s - loss: 0.6474 - accuracy: 0.8611
616/750 [=====>.....] - ETA: 0s - loss: 0.6492 - accuracy: 0.8603
693/750 [=====>...] - ETA: 0s - loss: 0.6506 - accuracy: 0.8594
750/750 [=====] - 1s 805us/step - loss: 0.6506 - accuracy: 0.8598 - val_loss: 0.6666 - val_accuracy: 0.8535
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.7538 - accuracy: 0.8125
66/750 [=>.....] - ETA: 0s - loss: 0.6273 - accuracy: 0.8641
143/750 [====>.....] - ETA: 0s - loss: 0.6446 - accuracy: 0.8627
221/750 [=====>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.8625
297/750 [=====>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8626
374/750 [=====>.....] - ETA: 0s - loss: 0.6468 - accuracy: 0.8616
452/750 [=====>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.8611
527/750 [=====>.....] - ETA: 0s - loss: 0.6498 - accuracy: 0.8601
604/750 [=====>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.8607
678/750 [=====>...] - ETA: 0s - loss: 0.6484 - accuracy: 0.8608
750/750 [=====] - 1s 817us/step - loss: 0.6490 - accuracy: 0.8604 - val_loss: 0.6655 - val_accuracy: 0.8531
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.8750
77/750 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.8563
156/750 [====>.....] - ETA: 0s - loss: 0.6460 - accuracy:

0.8582 [=====>.....] - ETA: 0s - loss: 0.6444 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.6444 - accuracy:
0.8604 [=====>.....] - ETA: 0s - loss: 0.6474 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.6474 - accuracy:
0.8605 [=====>.....] - ETA: 0s - loss: 0.6473 - accuracy:
388/750 [=====>.....] - ETA: 0s - loss: 0.6473 - accuracy:
0.8600 [=====>.....] - ETA: 0s - loss: 0.6431 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6431 - accuracy:
0.8620 [=====>.....] - ETA: 0s - loss: 0.6445 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.6445 - accuracy:
0.8608 [=====>.....] - ETA: 0s - loss: 0.6444 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.6444 - accuracy:
0.8609 [=====>.....] - ETA: 0s - loss: 0.6465 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.6465 - accuracy:
0.8599 [=====>...] - ETA: 0s - loss: 0.6476 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.6476 - accuracy:
0.8595 - val_loss: 0.6659 - val_accuracy: 0.8535
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.5049 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6484 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.6484 - accuracy:
0.8596 [==>.....] - ETA: 0s - loss: 0.6435 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6435 - accuracy:
0.8612 [====>.....] - ETA: 0s - loss: 0.6403 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.6403 - accuracy:
0.8631 [=====>.....] - ETA: 0s - loss: 0.6411 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.6411 - accuracy:
0.8632 [=====>.....] - ETA: 0s - loss: 0.6460 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6460 - accuracy:
0.8617 [=====>.....] - ETA: 0s - loss: 0.6459 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.6459 - accuracy:
0.8610 [=====>.....] - ETA: 0s - loss: 0.6476 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.6476 - accuracy:
0.8602 [=====>.....] - ETA: 0s - loss: 0.6479 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.6479 - accuracy:
0.8601 [=====>.....] - ETA: 0s - loss: 0.6466 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.6466 - accuracy:
0.8611 [=====>...] - ETA: 0s - loss: 0.6463 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.6463 - accuracy:
0.8609 - val_loss: 0.6619 - val_accuracy: 0.8543
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.5350 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6444 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6444 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.6510 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6510 - accuracy:
0.8597 [====>.....] - ETA: 0s - loss: 0.6499 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.6499 - accuracy:

0.8597 [=====>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.8609
375/750 [=====>.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.8620
451/750 [=====>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.8610
525/750 [=====>.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.8607
599/750 [=====>.....] - ETA: 0s - loss: 0.6462 - accuracy: 0.8610
675/750 [=====>...] - ETA: 0s - loss: 0.6462 - accuracy: 0.8610
750/750 [=====] - 1s 816us/step - loss: 0.6450 - accuracy: 0.8615 - val_loss: 0.6627 - val_accuracy: 0.8532
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8750
77/750 [==>.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.8571
154/750 [====>.....] - ETA: 0s - loss: 0.6381 - accuracy: 0.8592
231/750 [=====>.....] - ETA: 0s - loss: 0.6414 - accuracy: 0.8601
310/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8610
388/750 [=====>.....] - ETA: 0s - loss: 0.6370 - accuracy: 0.8631
466/750 [=====>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.8624
541/750 [=====>.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.8622
616/750 [=====>.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.8624
694/750 [=====>...] - ETA: 0s - loss: 0.6411 - accuracy: 0.8625
750/750 [=====] - 1s 798us/step - loss: 0.6434 - accuracy: 0.8610 - val_loss: 0.6609 - val_accuracy: 0.8533
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.9219
77/750 [==>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.8687
154/750 [====>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.8626
231/750 [=====>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.8619
309/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:

0.8637 [=====>.....] - ETA: 0s - loss: 0.6374 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6374 - accuracy:
0.8653 [=====>.....] - ETA: 0s - loss: 0.6390 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.6390 - accuracy:
0.8636 [=====>.....] - ETA: 0s - loss: 0.6413 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.6413 - accuracy:
0.8629 [=====>.....] - ETA: 0s - loss: 0.6422 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6422 - accuracy:
0.8620 [=====>.....] - ETA: 0s - loss: 0.6424 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6424 - accuracy:
0.8622 [=====>...] - ETA: 0s - loss: 0.6419 - accuracy:
750/750 [=====] - 1s 797us/step - loss: 0.6419 - accuracy:
0.8624 - val_loss: 0.6607 - val_accuracy: 0.8531
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.5748 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.6571 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6571 - accuracy:
0.8553 [==>.....] - ETA: 0s - loss: 0.6509 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6509 - accuracy:
0.8574 [====>.....] - ETA: 0s - loss: 0.6451 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.6451 - accuracy:
0.8586 [=====>.....] - ETA: 0s - loss: 0.6396 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.6396 - accuracy:
0.8606 [=====>.....] - ETA: 0s - loss: 0.6424 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.6424 - accuracy:
0.8605 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy:
0.8608 [=====>.....] - ETA: 0s - loss: 0.6413 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6413 - accuracy:
0.8612 [=====>.....] - ETA: 0s - loss: 0.6403 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6403 - accuracy:
0.8619 [=====>.....] - ETA: 0s - loss: 0.6403 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6403 - accuracy:
0.8624 [=====>...] - ETA: 0s - loss: 0.6405 - accuracy:
750/750 [=====>] - 1s 810us/step - loss: 0.6405 - accuracy:
0.8625 - val_loss: 0.6584 - val_accuracy: 0.8548
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.7833 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.6485 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.6485 - accuracy:
0.8625 [==>.....] - ETA: 0s - loss: 0.6458 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.6458 - accuracy:
0.8622 [====>.....] - ETA: 0s - loss: 0.6417 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.6417 - accuracy:
0.8617 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8629 [=====>.....] - ETA: 0s - loss: 0.6385 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.6385 - accuracy:

0.8627 [=====>.....] - ETA: 0s - loss: 0.6375 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.6371 - accuracy:
0.8623 [=====>.....] - ETA: 0s - loss: 0.6370 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.6384 - accuracy:
0.8624 [=====>.....] - ETA: 0s - loss: 0.6389 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.6393 - accuracy:
0.8630 [=====>.....] - ETA: 0s - loss: 0.6393 - accuracy:
665/750 [=====>.....] - ETA: 0s - loss: 0.6393 - accuracy:
0.8624 [=====>.....] - ETA: 0s - loss: 0.6393 - accuracy:
741/750 [=====>.....] - ETA: 0s - loss: 0.6393 - accuracy:
0.8626 [=====>.....] - ETA: 0s - loss: 0.6393 - accuracy:
750/750 [=====] - 1s 828us/step - loss: 0.6393 - accuracy:
0.8625 - val_loss: 0.6590 - val_accuracy: 0.8533
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.5782 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.6152 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.6352 - accuracy:
0.8700 [====>.....] - ETA: 0s - loss: 0.6421 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.6394 - accuracy:
0.8629 [====>.....] - ETA: 0s - loss: 0.6391 - accuracy:
223/750 [====>.....] - ETA: 0s - loss: 0.6410 - accuracy:
0.8602 [====>.....] - ETA: 0s - loss: 0.6390 - accuracy:
301/750 [====>.....] - ETA: 0s - loss: 0.6395 - accuracy:
0.8598 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
379/750 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
0.8603 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
457/750 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
0.8598 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
534/750 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
0.8616 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
613/750 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
0.8617 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
690/750 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
0.8612 [====>.....] - ETA: 0s - loss: 0.6399 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.6379 - accuracy:
0.8618 - val_loss: 0.6542 - val_accuracy: 0.8572
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.7357 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.6576 - accuracy:
79/750 [=>.....] - ETA: 0s - loss: 0.6482 - accuracy:
0.8536 [====>.....] - ETA: 0s - loss: 0.6368 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.6390 - accuracy:
0.8557 [====>.....] - ETA: 0s - loss: 0.6384 - accuracy:
233/750 [====>.....] - ETA: 0s - loss: 0.6384 - accuracy:
0.8613 [====>.....] - ETA: 0s - loss: 0.6384 - accuracy:
311/750 [====>.....] - ETA: 0s - loss: 0.6384 - accuracy:
0.8608 [====>.....] - ETA: 0s - loss: 0.6384 - accuracy:
386/750 [====>.....] - ETA: 0s - loss: 0.6384 - accuracy:

0.8606 [=====>.....] - ETA: 0s - loss: 0.6383 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.6361 - accuracy:
0.8612 [=====>.....] - ETA: 0s - loss: 0.6363 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
0.8623 [=====>.....] - ETA: 0s - loss: 0.6364 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.6364 - accuracy:
0.8627 [=====>.....] - ETA: 0s - loss: 0.6364 - accuracy:
688/750 [=====>.....] - ETA: 0s - loss: 0.6364 - accuracy:
0.8631 [=====>.....] - ETA: 0s - loss: 0.6364 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.6364 - accuracy:
0.8626 - val_loss: 0.6537 - val_accuracy: 0.8567
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.8297 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.6442 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6423 - accuracy:
0.8578 [==>.....] - ETA: 0s - loss: 0.6380 - accuracy:
153/750 [==>.....] - ETA: 0s - loss: 0.6365 - accuracy:
0.8601 [==>.....] - ETA: 0s - loss: 0.6364 - accuracy:
229/750 [==>.....] - ETA: 0s - loss: 0.6386 - accuracy:
0.8629 [==>.....] - ETA: 0s - loss: 0.6381 - accuracy:
307/750 [==>.....] - ETA: 0s - loss: 0.6377 - accuracy:
0.8632 [==>.....] - ETA: 0s - loss: 0.6366 - accuracy:
382/750 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8643 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
460/750 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8621 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
536/750 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8626 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
612/750 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8627 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
689/750 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8629 [==>.....] - ETA: 0s - loss: 0.6351 - accuracy:
750/750 [==>.....] - 1s 797us/step - loss: 0.6351 - accuracy:
0.8637 - val_loss: 0.6539 - val_accuracy: 0.8570
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.6272 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.6501 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6349 - accuracy:
0.8566 [==>.....] - ETA: 0s - loss: 0.6338 - accuracy:
156/750 [==>.....] - ETA: 0s - loss: 0.6310 - accuracy:
0.8588 [==>.....] - ETA: 0s - loss: 0.6287 - accuracy:
232/750 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
0.8602 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
308/750 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
0.8621 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
384/750 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
0.8629 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
458/750 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:

0.8634 [=====>.....] - ETA: 0s - loss: 0.6317 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6317 - accuracy:
0.8644 [=====>.....] - ETA: 0s - loss: 0.6320 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6320 - accuracy:
0.8646 [=====>.....] - ETA: 0s - loss: 0.6331 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.6331 - accuracy:
0.8644 [=====] - 1s 798us/step - loss: 0.6338 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.6338 - accuracy:
0.8642 - val_loss: 0.6517 - val_accuracy: 0.8555
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.5672 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.6187 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6187 - accuracy:
0.8712 [====>.....] - ETA: 0s - loss: 0.6254 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6254 - accuracy:
0.8685 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
0.8666 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
0.8656 [=====>.....] - ETA: 0s - loss: 0.6276 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.6276 - accuracy:
0.8664 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
0.8645 [=====>.....] - ETA: 0s - loss: 0.6315 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.6315 - accuracy:
0.8641 [=====>.....] - ETA: 0s - loss: 0.6316 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6316 - accuracy:
0.8639 [=====>.....] - ETA: 0s - loss: 0.6317 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6317 - accuracy:
0.8640 [=====] - 1s 798us/step - loss: 0.6326 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.6326 - accuracy:
0.8641 - val_loss: 0.6503 - val_accuracy: 0.8572
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.7394 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy:
0.8598 [====>.....] - ETA: 0s - loss: 0.6287 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.6287 - accuracy:
0.8650 [=====>.....] - ETA: 0s - loss: 0.6324 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.6324 - accuracy:
0.8643 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy:
0.8630 [=====>.....] - ETA: 0s - loss: 0.6331 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.6331 - accuracy:
0.8637 [=====>.....] - ETA: 0s - loss: 0.6340 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.6340 - accuracy:
0.8629 [=====>.....] - ETA: 0s - loss: 0.6347 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.6347 - accuracy:

0.8627 [=====>.....] - ETA: 0s - loss: 0.6329 - accuracy:
0.8628 [=====>.....] - ETA: 0s - loss: 0.6332 - accuracy:
681/750 [=====>...] - ETA: 0s - loss: 0.6312 - accuracy:
0.8630 [=====] - 1s 810us/step - loss: 0.6312 - accuracy:
0.8636 - val_loss: 0.6530 - val_accuracy: 0.8558
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.6568 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.6415 - accuracy:
0.8573 [====>.....] - ETA: 0s - loss: 0.6272 - accuracy:
0.8642 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8647 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy:
0.8642 [=====>.....] - ETA: 0s - loss: 0.6314 - accuracy:
0.8648 [=====>.....] - ETA: 0s - loss: 0.6314 - accuracy:
0.8638 [=====>.....] - ETA: 0s - loss: 0.6327 - accuracy:
0.8635 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
0.8641 [=====>.....] - ETA: 0s - loss: 0.6309 - accuracy:
0.8640 [=====>.....] - 1s 804us/step - loss: 0.6302 - accuracy:
0.8646 - val_loss: 0.6490 - val_accuracy: 0.8569
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.8150 - accuracy:
0.8125 [==>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8675 [====>.....] - ETA: 0s - loss: 0.6301 - accuracy:
0.8640 [=====>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8629 [=====>.....] - ETA: 0s - loss: 0.6334 - accuracy:
0.8650 [=====>.....] - ETA: 0s - loss: 0.6310 - accuracy:
0.8644 [=====>.....] - ETA: 0s - loss: 0.6308 - accuracy:
0.8645 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
0.8646 [=====>.....] - ETA: 0s - loss: 0.6287 - accuracy:

0.8652 [=====] - ETA: 0s - loss: 0.6285 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.6285 - accuracy:
0.8652 [=====] - ETA: 0s - loss: 0.6285 - accuracy:
750/750 [=====] - 1s 796us/step - loss: 0.6287 - accuracy:
0.8653 - val_loss: 0.6482 - val_accuracy: 0.8572
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.6402 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6402 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6162 - accuracy:
0.8639 [.....] - ETA: 0s - loss: 0.6162 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6202 - accuracy:
0.8669 [.....] - ETA: 0s - loss: 0.6202 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.6223 - accuracy:
0.8671 [.....] - ETA: 0s - loss: 0.6223 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.6246 - accuracy:
0.8663 [.....] - ETA: 0s - loss: 0.6246 - accuracy:
378/750 [=====>.....] - ETA: 0s - loss: 0.6220 - accuracy:
0.8671 [.....] - ETA: 0s - loss: 0.6220 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.6229 - accuracy:
0.8673 [.....] - ETA: 0s - loss: 0.6229 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.6220 - accuracy:
0.8682 [.....] - ETA: 0s - loss: 0.6220 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.6215 - accuracy:
0.8689 [.....] - ETA: 0s - loss: 0.6215 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.6249 - accuracy:
0.8670 [.....] - ETA: 0s - loss: 0.6249 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.6273 - accuracy:
0.8659 - val_loss: 0.6467 - val_accuracy: 0.8583
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5270 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6390 - accuracy:
0.8596 [.....] - ETA: 0s - loss: 0.6390 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.6317 - accuracy:
0.8614 [.....] - ETA: 0s - loss: 0.6317 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.6304 - accuracy:
0.8627 [.....] - ETA: 0s - loss: 0.6304 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.6297 - accuracy:
0.8624 [.....] - ETA: 0s - loss: 0.6297 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.6293 - accuracy:
0.8633 [.....] - ETA: 0s - loss: 0.6293 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
0.8637 [.....] - ETA: 0s - loss: 0.6296 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.6284 - accuracy:
0.8646 [.....] - ETA: 0s - loss: 0.6284 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.6305 - accuracy:
0.8642 [.....] - ETA: 0s - loss: 0.6305 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6284 - accuracy:

0.8653
750/750 [=====] - 1s 801us/step - loss: 0.6262 - accuracy:
0.8663 - val_loss: 0.6455 - val_accuracy: 0.8581
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.6088 - accuracy:
0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.6243 - accuracy:
0.8685
149/750 [====>.....] - ETA: 0s - loss: 0.6198 - accuracy:
0.8680
226/750 [=====>.....] - ETA: 0s - loss: 0.6231 - accuracy:
0.8673
301/750 [======>.....] - ETA: 0s - loss: 0.6198 - accuracy:
0.8684
376/750 [======>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8679
455/750 [======>.....] - ETA: 0s - loss: 0.6218 - accuracy:
0.8677
532/750 [======>.....] - ETA: 0s - loss: 0.6236 - accuracy:
0.8674
609/750 [======>.....] - ETA: 0s - loss: 0.6245 - accuracy:
0.8668
687/750 [======>...] - ETA: 0s - loss: 0.6263 - accuracy:
0.8660
750/750 [=====] - 1s 804us/step - loss: 0.6249 - accuracy:
0.8668 - val_loss: 0.6455 - val_accuracy: 0.8588
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.7810 - accuracy:
0.8438
76/750 [=>.....] - ETA: 0s - loss: 0.6294 - accuracy:
0.8608
149/750 [====>.....] - ETA: 0s - loss: 0.6328 - accuracy:
0.8608
225/750 [=====>.....] - ETA: 0s - loss: 0.6312 - accuracy:
0.8623
297/750 [======>.....] - ETA: 0s - loss: 0.6224 - accuracy:
0.8660
375/750 [======>.....] - ETA: 0s - loss: 0.6215 - accuracy:
0.8674
451/750 [======>.....] - ETA: 0s - loss: 0.6197 - accuracy:
0.8683
529/750 [======>.....] - ETA: 0s - loss: 0.6209 - accuracy:
0.8676
607/750 [======>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8677
678/750 [======>...] - ETA: 0s - loss: 0.6209 - accuracy:
0.8677
750/750 [=====] - 1s 812us/step - loss: 0.6237 - accuracy:

0.8662 - val_loss: 0.6432 - val_accuracy: 0.8587
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.6366 - accuracy:
0.8125
78/750 [==>.....] - ETA: 0s - loss: 0.6277 - accuracy:
0.8620
155/750 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8666
228/750 [=====>.....] - ETA: 0s - loss: 0.6233 - accuracy:
0.8653
303/750 [======>.....] - ETA: 0s - loss: 0.6213 - accuracy:
0.8665
376/750 [======>.....] - ETA: 0s - loss: 0.6202 - accuracy:
0.8674
450/750 [======>.....] - ETA: 0s - loss: 0.6201 - accuracy:
0.8671
526/750 [======>.....] - ETA: 0s - loss: 0.6212 - accuracy:
0.8664
601/750 [======>.....] - ETA: 0s - loss: 0.6204 - accuracy:
0.8679
677/750 [======>...] - ETA: 0s - loss: 0.6227 - accuracy:
0.8675
750/750 [=====] - 1s 813us/step - loss: 0.6225 - accuracy:
0.8673 - val_loss: 0.6436 - val_accuracy: 0.8578
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.5411 - accuracy:
0.8906
79/750 [==>.....] - ETA: 0s - loss: 0.6308 - accuracy:
0.8693
156/750 [=====>.....] - ETA: 0s - loss: 0.6229 - accuracy:
0.8696
235/750 [=====>.....] - ETA: 0s - loss: 0.6248 - accuracy:
0.8672
307/750 [======>.....] - ETA: 0s - loss: 0.6244 - accuracy:
0.8656
383/750 [======>.....] - ETA: 0s - loss: 0.6262 - accuracy:
0.8643
460/750 [======>.....] - ETA: 0s - loss: 0.6243 - accuracy:
0.8651
535/750 [======>.....] - ETA: 0s - loss: 0.6241 - accuracy:
0.8652
613/750 [======>.....] - ETA: 0s - loss: 0.6246 - accuracy:
0.8653
689/750 [======>...] - ETA: 0s - loss: 0.6222 - accuracy:
0.8660
750/750 [=====] - 1s 801us/step - loss: 0.6216 - accuracy:
0.8662 - val_loss: 0.6415 - val_accuracy: 0.8581
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.3950 - accuracy: 0.9531
78/750 [==>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.8690
155/750 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.8708
230/750 [=====>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.8701
303/750 [======>.....] - ETA: 0s - loss: 0.6169 - accuracy: 0.8681
377/750 [======>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.8683
451/750 [======>.....] - ETA: 0s - loss: 0.6179 - accuracy: 0.8687
528/750 [======>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.8692
606/750 [======>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.8675
683/750 [======>...] - ETA: 0s - loss: 0.6206 - accuracy: 0.8667
750/750 [=====] - 1s 813us/step - loss: 0.6203 - accuracy: 0.8668 - val_loss: 0.6404 - val_accuracy: 0.8592
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.5613 - accuracy: 0.9219
77/750 [==>.....] - ETA: 0s - loss: 0.6225 - accuracy: 0.8673
150/750 [=====>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.8691
227/750 [=====>.....] - ETA: 0s - loss: 0.6204 - accuracy: 0.8690
302/750 [======>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.8692
380/750 [======>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.8694
453/750 [======>.....] - ETA: 0s - loss: 0.6142 - accuracy: 0.8697
526/750 [======>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.8682
601/750 [======>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.8676
677/750 [======>...] - ETA: 0s - loss: 0.6166 - accuracy: 0.8687
750/750 [=====] - 1s 814us/step - loss: 0.6192 - accuracy: 0.8676 - val_loss: 0.6397 - val_accuracy: 0.8596
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.5657 - accuracy:

0.9062 [.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.8637
75/750 [==>.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.8637
151/750 [====>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8694
230/750 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.8711
307/750 [======>.....] - ETA: 0s - loss: 0.6082 - accuracy: 0.8715
384/750 [======>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.8702
461/750 [======>.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.8686
538/750 [======>.....] - ETA: 0s - loss: 0.6182 - accuracy: 0.8679
614/750 [======>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.8680
688/750 [======>...] - ETA: 0s - loss: 0.6157 - accuracy: 0.8690
750/750 [=====] - 1s 804us/step - loss: 0.6179 - accuracy: 0.8681 - val_loss: 0.6389 - val_accuracy: 0.8587
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.8281
79/750 [==>.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.8610
157/750 [====>.....] - ETA: 0s - loss: 0.6286 - accuracy: 0.8633
235/750 [=====>.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.8648
313/750 [======>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.8669
387/750 [======>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.8679
462/750 [======>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.8683
535/750 [======>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8687
609/750 [======>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.8681
683/750 [======>...] - ETA: 0s - loss: 0.6170 - accuracy: 0.8676
750/750 [=====] - 1s 808us/step - loss: 0.6170 - accuracy: 0.8680 - val_loss: 0.6369 - val_accuracy: 0.8599
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.7021 - accuracy: 0.8125
80/750 [==>.....] - ETA: 0s - loss: 0.6145 - accuracy:

0.8711
158/750 [====>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.8693
234/750 [=====>.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.8680
307/750 [=====>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.8684
383/750 [=====>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.8684
461/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy: 0.8677
537/750 [=====>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8682
613/750 [=====>.....] - ETA: 0s - loss: 0.6157 - accuracy: 0.8685
692/750 [=====>...] - ETA: 0s - loss: 0.6171 - accuracy: 0.8682
750/750 [=====>] - 1s 798us/step - loss: 0.6157 - accuracy: 0.8682 - val_loss: 0.6366 - val_accuracy: 0.8611
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.5027 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.6284 - accuracy: 0.8684
155/750 [====>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.8720
230/750 [=====>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.8713
306/750 [=====>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.8707
384/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8699
459/750 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.8690
537/750 [=====>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.8680
616/750 [=====>.....] - ETA: 0s - loss: 0.6152 - accuracy: 0.8680
692/750 [=====>...] - ETA: 0s - loss: 0.6151 - accuracy: 0.8687
750/750 [=====>] - 1s 808us/step - loss: 0.6145 - accuracy: 0.8692 - val_loss: 0.6369 - val_accuracy: 0.8598
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.4513 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.6254 - accuracy: 0.8645
152/750 [====>.....] - ETA: 0s - loss: 0.6166 - accuracy:

0.8685 [.....] - ETA: 0s - loss: 0.6147 - accuracy: 0.8693
227/750 [=====>.....] - ETA: 0s - loss: 0.6147 - accuracy: 0.8683
306/750 [=====>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8692
383/750 [=====>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.8703
461/750 [=====>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.8695
539/750 [=====>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.8693
616/750 [=====>.....] - ETA: 0s - loss: 0.6146 - accuracy: 0.8683
694/750 [=====>...] - ETA: 0s - loss: 0.6134 - accuracy: 0.8686
750/750 [=====] - 1s 802us/step - loss: 0.6134 - accuracy: 0.8608
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.7408 - accuracy: 0.8438
78/750 [==>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.8632
156/750 [====>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.8695
234/750 [=====>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.8690
312/750 [=====>.....] - ETA: 0s - loss: 0.6093 - accuracy: 0.8685
389/750 [=====>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.8678
468/750 [=====>.....] - ETA: 0s - loss: 0.6105 - accuracy: 0.8681
544/750 [=====>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.8674
619/750 [=====>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.8681
696/750 [=====>...] - ETA: 0s - loss: 0.6131 - accuracy: 0.8678
750/750 [=====] - 1s 798us/step - loss: 0.6123 - accuracy: 0.8686
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.8281
77/750 [==>.....] - ETA: 0s - loss: 0.6203 - accuracy: 0.8665
156/750 [====>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.8706
230/750 [=====>.....] - ETA: 0s - loss: 0.6203 - accuracy: 0.8665

0.8660 [.....] - ETA: 0s - loss: 0.6180 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.6180 - accuracy:
0.8666 [.....] - ETA: 0s - loss: 0.6155 - accuracy:
388/750 [=====>.....] - ETA: 0s - loss: 0.6155 - accuracy:
0.8678 [.....] - ETA: 0s - loss: 0.6150 - accuracy:
465/750 [=====>.....] - ETA: 0s - loss: 0.6150 - accuracy:
0.8664 [.....] - ETA: 0s - loss: 0.6124 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy:
0.8671 [.....] - ETA: 0s - loss: 0.6122 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.6122 - accuracy:
0.8677 [.....] - ETA: 0s - loss: 0.6118 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.6118 - accuracy:
0.8682 [.....] - ETA: 0s - loss: 0.6112 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.6112 - accuracy:
0.8687 - val_loss: 0.6354 - val_accuracy: 0.8595
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.6056 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6250 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.6250 - accuracy:
0.8713 [.....] - ETA: 0s - loss: 0.6160 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.6160 - accuracy:
0.8706 [.....] - ETA: 0s - loss: 0.6087 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.6087 - accuracy:
0.8720 [.....] - ETA: 0s - loss: 0.6080 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8721 [.....] - ETA: 0s - loss: 0.6108 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.6108 - accuracy:
0.8711 [.....] - ETA: 0s - loss: 0.6081 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy:
0.8708 [.....] - ETA: 0s - loss: 0.6100 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6100 - accuracy:
0.8704 [.....] - ETA: 0s - loss: 0.6106 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8697 [.....] - ETA: 0s - loss: 0.6108 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.6108 - accuracy:
0.8694 [.....] - ETA: 0s - loss: 0.6103 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.6103 - accuracy:
0.8695 - val_loss: 0.6330 - val_accuracy: 0.8599
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.5518 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5905 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5905 - accuracy:
0.8756 [.....] - ETA: 0s - loss: 0.5990 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.5990 - accuracy:
0.8735 [.....] - ETA: 0s - loss: 0.5998 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy:
0.8722 [.....] - ETA: 0s - loss: 0.6027 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.6027 - accuracy:

0.8714 [=====>.....] - ETA: 0s - loss: 0.6039 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.6039 - accuracy:
0.8702 [=====>.....] - ETA: 0s - loss: 0.6066 - accuracy:
455/750 [=====>.....] - ETA: 0s - loss: 0.6100 - accuracy:
0.8698 [=====>.....] - ETA: 0s - loss: 0.6078 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.6084 - accuracy:
0.8685 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy:
0.8698 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy:
685/750 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy:
0.8696 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy:
750/750 [=====] - 1s 811us/step - loss: 0.6090 - accuracy:
0.8699 - val_loss: 0.6307 - val_accuracy: 0.8605
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.6171 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.6127 - accuracy:
79/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8669 [=====>.....] - ETA: 0s - loss: 0.6091 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.6094 - accuracy:
0.8698 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.6103 - accuracy:
0.8706 [=====>.....] - ETA: 0s - loss: 0.6097 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.6088 - accuracy:
0.8708 [=====>.....] - ETA: 0s - loss: 0.6075 - accuracy:
388/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8702 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8702 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8703 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8704 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8707 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
750/750 [=====] - 1s 800us/step - loss: 0.6080 - accuracy:
0.8704 - val_loss: 0.6306 - val_accuracy: 0.8607
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.4964 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.6251 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.6177 - accuracy:
0.8630 [=====>.....] - ETA: 0s - loss: 0.6182 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.6169 - accuracy:
0.8651 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
0.8635 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
0.8654 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:

0.8665
466/750 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy:
0.8678
537/750 [=====>.....] - ETA: 0s - loss: 0.6097 - accuracy:
0.8692
614/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy:
0.8699
689/750 [=====>...] - ETA: 0s - loss: 0.6066 - accuracy:
0.8709
750/750 [=====] - 1s 808us/step - loss: 0.6070 - accuracy:
0.8704 - val_loss: 0.6284 - val_accuracy: 0.8618
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.5518 - accuracy:
0.8906
77/750 [==>.....] - ETA: 0s - loss: 0.6167 - accuracy:
0.8693
153/750 [====>.....] - ETA: 0s - loss: 0.6064 - accuracy:
0.8735
227/750 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8739
302/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8735
379/750 [=====>.....] - ETA: 0s - loss: 0.6074 - accuracy:
0.8722
453/750 [=====>.....] - ETA: 0s - loss: 0.6073 - accuracy:
0.8711
528/750 [=====>.....] - ETA: 0s - loss: 0.6070 - accuracy:
0.8709
602/750 [=====>.....] - ETA: 0s - loss: 0.6071 - accuracy:
0.8703
675/750 [=====>...] - ETA: 0s - loss: 0.6067 - accuracy:
0.8700
750/750 [=====] - 1s 820us/step - loss: 0.6057 - accuracy:
0.8709 - val_loss: 0.6281 - val_accuracy: 0.8624
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.6860 - accuracy:
0.8594
78/750 [==>.....] - ETA: 0s - loss: 0.5986 - accuracy:
0.8754
152/750 [====>.....] - ETA: 0s - loss: 0.6035 - accuracy:
0.8719
220/750 [=====>.....] - ETA: 0s - loss: 0.6045 - accuracy:
0.8719
298/750 [=====>.....] - ETA: 0s - loss: 0.6050 - accuracy:
0.8715
372/750 [=====>.....] - ETA: 0s - loss: 0.6058 - accuracy:
0.8720
450/750 [=====>.....] - ETA: 0s - loss: 0.6044 - accuracy:

0.8725 [=====>.....] - ETA: 0s - loss: 0.6053 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.6059 - accuracy:
0.8717 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8716 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
681/750 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8714 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.6047 - accuracy:
0.8711 - val_loss: 0.6273 - val_accuracy: 0.8600
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.5970 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.6098 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6098 - accuracy:
0.8649 [==>.....] - ETA: 0s - loss: 0.5927 - accuracy:
156/750 [==>.....] - ETA: 0s - loss: 0.5927 - accuracy:
0.8723 [==>.....] - ETA: 0s - loss: 0.5942 - accuracy:
232/750 [==>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8722 [==>.....] - ETA: 0s - loss: 0.5987 - accuracy:
306/750 [==>.....] - ETA: 0s - loss: 0.5987 - accuracy:
0.8707 [==>.....] - ETA: 0s - loss: 0.5982 - accuracy:
385/750 [==>.....] - ETA: 0s - loss: 0.5982 - accuracy:
0.8718 [==>.....] - ETA: 0s - loss: 0.5974 - accuracy:
462/750 [==>.....] - ETA: 0s - loss: 0.5974 - accuracy:
0.8731 [==>.....] - ETA: 0s - loss: 0.5993 - accuracy:
540/750 [==>.....] - ETA: 0s - loss: 0.5993 - accuracy:
0.8728 [==>.....] - ETA: 0s - loss: 0.5995 - accuracy:
616/750 [==>.....] - ETA: 0s - loss: 0.5995 - accuracy:
0.8722 [==>.....] - ETA: 0s - loss: 0.6024 - accuracy:
691/750 [==>.....] - ETA: 0s - loss: 0.6024 - accuracy:
0.8716 [==>.....] - ETA: 0s - loss: 0.6037 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.6037 - accuracy:
0.8709 - val_loss: 0.6265 - val_accuracy: 0.8619
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.5425 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.6118 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6118 - accuracy:
0.8675 [==>.....] - ETA: 0s - loss: 0.6020 - accuracy:
155/750 [==>.....] - ETA: 0s - loss: 0.6020 - accuracy:
0.8703 [==>.....] - ETA: 0s - loss: 0.6080 - accuracy:
232/750 [==>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8689 [==>.....] - ETA: 0s - loss: 0.6038 - accuracy:
307/750 [==>.....] - ETA: 0s - loss: 0.6038 - accuracy:
0.8704 [==>.....] - ETA: 0s - loss: 0.6024 - accuracy:
385/750 [==>.....] - ETA: 0s - loss: 0.6024 - accuracy:
0.8700 [==>.....] - ETA: 0s - loss: 0.6012 - accuracy:
463/750 [==>.....] - ETA: 0s - loss: 0.6012 - accuracy:
0.8710 [==>.....] - ETA: 0s - loss: 0.6018 - accuracy:
542/750 [==>.....] - ETA: 0s - loss: 0.6018 - accuracy:

0.8708
617/750 [=====>.....] - ETA: 0s - loss: 0.6007 - accuracy:
0.8717
695/750 [=====>...] - ETA: 0s - loss: 0.6021 - accuracy:
0.8716
750/750 [=====] - 1s 802us/step - loss: 0.6027 - accuracy:
0.8719 - val_loss: 0.6258 - val_accuracy: 0.8618
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.6079 - accuracy:
0.8438
77/750 [==>.....] - ETA: 0s - loss: 0.6076 - accuracy:
0.8744
154/750 [====>.....] - ETA: 0s - loss: 0.6031 - accuracy:
0.8733
231/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy:
0.8729
305/750 [=====>.....] - ETA: 0s - loss: 0.6042 - accuracy:
0.8725
382/750 [=====>.....] - ETA: 0s - loss: 0.6038 - accuracy:
0.8721
456/750 [=====>.....] - ETA: 0s - loss: 0.6057 - accuracy:
0.8717
529/750 [=====>.....] - ETA: 0s - loss: 0.6073 - accuracy:
0.8704
607/750 [=====>.....] - ETA: 0s - loss: 0.6055 - accuracy:
0.8709
683/750 [=====>...] - ETA: 0s - loss: 0.6044 - accuracy:
0.8705
750/750 [=====] - 1s 808us/step - loss: 0.6015 - accuracy:
0.8712 - val_loss: 0.6257 - val_accuracy: 0.8626
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.8627 - accuracy:
0.7344
78/750 [==>.....] - ETA: 0s - loss: 0.5927 - accuracy:
0.8738
156/750 [====>.....] - ETA: 0s - loss: 0.5977 - accuracy:
0.8749
232/750 [=====>.....] - ETA: 0s - loss: 0.5939 - accuracy:
0.8749
310/750 [=====>.....] - ETA: 0s - loss: 0.5957 - accuracy:
0.8744
389/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy:
0.8740
465/750 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy:
0.8718
543/750 [=====>.....] - ETA: 0s - loss: 0.6010 - accuracy:
0.8718
619/750 [=====>.....] - ETA: 0s - loss: 0.6018 - accuracy:

0.8716
694/750 [=====>...] - ETA: 0s - loss: 0.6017 - accuracy:
0.8717
750/750 [=====] - 1s 801us/step - loss: 0.6007 - accuracy:
0.8721 - val_loss: 0.6242 - val_accuracy: 0.8627
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.6657 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8787
146/750 [====>.....] - ETA: 0s - loss: 0.5968 - accuracy:
0.8763
224/750 [=====>.....] - ETA: 0s - loss: 0.5968 - accuracy:
0.8763
301/750 [=====>.....] - ETA: 0s - loss: 0.5963 - accuracy:
0.8752
378/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8741
457/750 [=====>.....] - ETA: 0s - loss: 0.5987 - accuracy:
0.8735
533/750 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy:
0.8730
610/750 [=====>.....] - ETA: 0s - loss: 0.5978 - accuracy:
0.8731
686/750 [=====>...] - ETA: 0s - loss: 0.5981 - accuracy:
0.8727
750/750 [=====] - 1s 805us/step - loss: 0.5995 - accuracy:
0.8722 - val_loss: 0.6224 - val_accuracy: 0.8643
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.6409 - accuracy:
0.8438
76/750 [==>.....] - ETA: 0s - loss: 0.5835 - accuracy:
0.8777
153/750 [====>.....] - ETA: 0s - loss: 0.5987 - accuracy:
0.8720
228/750 [=====>.....] - ETA: 0s - loss: 0.6004 - accuracy:
0.8710
305/750 [=====>.....] - ETA: 0s - loss: 0.6015 - accuracy:
0.8700
382/750 [=====>.....] - ETA: 0s - loss: 0.6037 - accuracy:
0.8691
459/750 [=====>.....] - ETA: 0s - loss: 0.6043 - accuracy:
0.8693
536/750 [=====>.....] - ETA: 0s - loss: 0.6011 - accuracy:
0.8712
614/750 [=====>.....] - ETA: 0s - loss: 0.5997 - accuracy:
0.8716
691/750 [=====>...] - ETA: 0s - loss: 0.5981 - accuracy:

0.8724 [.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.8725 - val_loss: 0.6213 - val_accuracy: 0.8634
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.4884 - accuracy: 0.9219
78/750 [==>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.8724
156/750 [====>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.8693
232/750 [=====>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.8699
310/750 [======>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8713
388/750 [======>.....] - ETA: 0s - loss: 0.6008 - accuracy: 0.8713
463/750 [======>.....] - ETA: 0s - loss: 0.5993 - accuracy: 0.8719
541/750 [======>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.8721
618/750 [======>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.8730
695/750 [======>...] - ETA: 0s - loss: 0.5970 - accuracy: 0.8727
750/750 [=====] - 1s 800us/step - loss: 0.5976 - accuracy: 0.8725 - val_loss: 0.6208 - val_accuracy: 0.8634
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.5984 - accuracy: 0.8694
157/750 [====>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.8712
236/750 [=====>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.8733
311/750 [======>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.8724
389/750 [======>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.8733
463/750 [======>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.8733
538/750 [======>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.8741
615/750 [======>.....] - ETA: 0s - loss: 0.5924 - accuracy: 0.8739
692/750 [======>...] - ETA: 0s - loss: 0.5941 - accuracy: 0.8736
750/750 [=====] - 1s 800us/step - loss: 0.5964 - accuracy: 0.8736

0.8731 - val_loss: 0.6200 - val_accuracy: 0.8629
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.6315 - accuracy: 0.8750
77/750 [==>.....] - ETA: 0s - loss: 0.6007 - accuracy: 0.8709
155/750 [=====>.....] - ETA: 0s - loss: 0.6101 - accuracy: 0.8697
232/750 [=====>.....] - ETA: 0s - loss: 0.6087 - accuracy: 0.8691
309/750 [======>.....] - ETA: 0s - loss: 0.6000 - accuracy: 0.8722
385/750 [======>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.8722
462/750 [======>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.8743
539/750 [======>.....] - ETA: 0s - loss: 0.5994 - accuracy: 0.8735
616/750 [======>.....] - ETA: 0s - loss: 0.5977 - accuracy: 0.8731
691/750 [======>...] - ETA: 0s - loss: 0.5966 - accuracy: 0.8734
750/750 [=====] - 1s 801us/step - loss: 0.5954 - accuracy: 0.8736 - val_loss: 0.6201 - val_accuracy: 0.8633
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.9062
78/750 [==>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8778
152/750 [=====>.....] - ETA: 0s - loss: 0.5892 - accuracy: 0.8769
228/750 [=====>.....] - ETA: 0s - loss: 0.5920 - accuracy: 0.8760
306/750 [======>.....] - ETA: 0s - loss: 0.5951 - accuracy: 0.8737
382/750 [======>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.8730
459/750 [======>.....] - ETA: 0s - loss: 0.5963 - accuracy: 0.8724
537/750 [======>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8722
614/750 [======>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.8726
692/750 [======>...] - ETA: 0s - loss: 0.5953 - accuracy: 0.8723
750/750 [=====] - 1s 804us/step - loss: 0.5947 - accuracy: 0.8726 - val_loss: 0.6193 - val_accuracy: 0.8635
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.5193 - accuracy: 0.8750
77/750 [==>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8716
154/750 [====>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.8746
232/750 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.8726
307/750 [======>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.8734
384/750 [======>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.8738
462/750 [======>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.8749
539/750 [======>.....] - ETA: 0s - loss: 0.5935 - accuracy: 0.8740
615/750 [======>.....] - ETA: 0s - loss: 0.5919 - accuracy: 0.8754
694/750 [======>...] - ETA: 0s - loss: 0.5929 - accuracy: 0.8748
750/750 [=====] - 1s 801us/step - loss: 0.5936 - accuracy: 0.8741 - val_loss: 0.6184 - val_accuracy: 0.8639
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.6493 - accuracy: 0.7969
76/750 [==>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.8697
153/750 [====>.....] - ETA: 0s - loss: 0.5924 - accuracy: 0.8730
228/750 [=====>.....] - ETA: 0s - loss: 0.5993 - accuracy: 0.8693
304/750 [======>.....] - ETA: 0s - loss: 0.5918 - accuracy: 0.8716
382/750 [======>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.8736
460/750 [======>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8737
536/750 [======>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.8728
615/750 [======>.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.8735
692/750 [======>...] - ETA: 0s - loss: 0.5929 - accuracy: 0.8743
750/750 [=====] - 1s 800us/step - loss: 0.5927 - accuracy: 0.8737 - val_loss: 0.6182 - val_accuracy: 0.8633
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.7328 - accuracy:

0.8125 [.....] - ETA: 0s - loss: 0.6017 - accuracy: 0.8734
76/750 [==>.....] - ETA: 0s - loss: 0.6017 - accuracy: 0.8734
153/750 [====>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.8746
230/750 [=====>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.8749
308/750 [=====>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.8747
385/750 [=====>.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.8732
454/750 [=====>.....] - ETA: 0s - loss: 0.5926 - accuracy: 0.8738
533/750 [=====>.....] - ETA: 0s - loss: 0.5926 - accuracy: 0.8741
610/750 [=====>.....] - ETA: 0s - loss: 0.5901 - accuracy: 0.8745
687/750 [=====>...] - ETA: 0s - loss: 0.5896 - accuracy: 0.8747
750/750 [=====] - 1s 806us/step - loss: 0.5918 - accuracy: 0.8741 - val_loss: 0.6157 - val_accuracy: 0.8641
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.4843 - accuracy: 0.9219
78/750 [==>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8784
156/750 [====>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.8711
232/750 [=====>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.8736
309/750 [=====>.....] - ETA: 0s - loss: 0.5929 - accuracy: 0.8738
387/750 [=====>.....] - ETA: 0s - loss: 0.5926 - accuracy: 0.8730
466/750 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy: 0.8743
541/750 [=====>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.8751
616/750 [=====>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.8749
694/750 [=====>...] - ETA: 0s - loss: 0.5903 - accuracy: 0.8740
750/750 [=====] - 1s 800us/step - loss: 0.5906 - accuracy: 0.8741 - val_loss: 0.6157 - val_accuracy: 0.8643
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.5887 - accuracy: 0.8750
77/750 [==>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8750

0.8774 [=====>.....] - ETA: 0s - loss: 0.5943 - accuracy:
0.8741 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
0.8740 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
0.8753 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.5891 - accuracy:
0.8745 [=====>.....] - ETA: 0s - loss: 0.5881 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.5886 - accuracy:
0.8753 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy:
750/750 [=====>.....] - 1s 797us/step - loss: 0.5899 - accuracy:
0.8746 - val_loss: 0.6141 - val_accuracy: 0.8637
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.5794 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.5821 - accuracy:
0.8809 [=====>.....] - ETA: 0s - loss: 0.5850 - accuracy:
154/750 [=====>.....] - ETA: 0s - loss: 0.5877 - accuracy:
0.8792 [=====>.....] - ETA: 0s - loss: 0.5865 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy:
0.8769 [=====>.....] - ETA: 0s - loss: 0.5914 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy:
0.8759 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
0.8767 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
0.8751 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
0.8743 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
0.8742 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
695/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
0.8748 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy:
750/750 [=====>.....] - 1s 806us/step - loss: 0.5889 - accuracy:
0.8751 - val_loss: 0.6141 - val_accuracy: 0.8641
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.5900 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.5844 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.5781 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.5781 - accuracy:

0.8799 [.....] - ETA: 0s - loss: 0.5794 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.5796 - accuracy:
0.8796 [.....] - ETA: 0s - loss: 0.5789 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.5789 - accuracy:
0.8789 [.....] - ETA: 0s - loss: 0.5805 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5805 - accuracy:
0.8771 [.....] - ETA: 0s - loss: 0.5851 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5851 - accuracy:
0.8752 [.....] - ETA: 0s - loss: 0.5864 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.5864 - accuracy:
0.8746 [.....] - ETA: 0s - loss: 0.5882 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.5882 - accuracy:
0.8740 [.....] - ETA: 0s - loss: 0.5876 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.5876 - accuracy:
0.8743 [.....] - 1s 805us/step - loss: 0.5878 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.5878 - accuracy:
0.8748 - val_loss: 0.6133 - val_accuracy: 0.8641
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.5743 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5776 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5776 - accuracy:
0.8804 [.....] - ETA: 0s - loss: 0.5901 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
0.8752 [.....] - ETA: 0s - loss: 0.5842 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
0.8784 [.....] - ETA: 0s - loss: 0.5866 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy:
0.8765 [.....] - ETA: 0s - loss: 0.5859 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy:
0.8760 [.....] - ETA: 0s - loss: 0.5855 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
0.8753 [.....] - ETA: 0s - loss: 0.5855 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy:
0.8758 [.....] - ETA: 0s - loss: 0.5871 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.5871 - accuracy:
0.8757 [.....] - 1s 805us/step - loss: 0.5870 - accuracy:
683/750 [=====>...] - 1s 805us/step - loss: 0.5870 - accuracy:
0.8755 [.....] - val_loss: 0.6133 - val_accuracy: 0.8641
750/750 [=====] - 1s 805us/step - loss: 0.5870 - accuracy:
0.8756 - val_loss: 0.6133 - val_accuracy: 0.8641
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.6226 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5988 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5988 - accuracy:
0.8694 [.....] - ETA: 0s - loss: 0.5880 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.5880 - accuracy:
0.8739 [.....] - ETA: 0s - loss: 0.5843 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy:

0.8759 [.....] - ETA: 0s - loss: 0.5791 - accuracy: 308/750 [=====>.....] - ETA: 0s - loss: 0.5791 - accuracy: 0.8784 [.....] - ETA: 0s - loss: 0.5848 - accuracy: 386/750 [=====>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.8761 [.....] - ETA: 0s - loss: 0.5860 - accuracy: 464/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.8761 [.....] - ETA: 0s - loss: 0.5870 - accuracy: 543/750 [=====>.....] - ETA: 0s - loss: 0.5870 - accuracy: 0.8752 [.....] - ETA: 0s - loss: 0.5864 - accuracy: 620/750 [=====>.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.8758 [.....] - ETA: 0s - loss: 0.5868 - accuracy: 697/750 [=====>...] - ETA: 0s - loss: 0.5868 - accuracy: 0.8754 [.....] - 1s 794us/step - loss: 0.5860 - accuracy: 750/750 [=====] - 1s 794us/step - loss: 0.5860 - accuracy: 0.8753 - val_loss: 0.6131 - val_accuracy: 0.8642
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.7791 - accuracy: 0.8281 [.....] - ETA: 0s - loss: 0.5952 - accuracy: 78/750 [==>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.8722 [.....] - ETA: 0s - loss: 0.5969 - accuracy: 151/750 [====>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.8744 [.....] - ETA: 0s - loss: 0.5883 - accuracy: 230/750 [=====>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.8750 [.....] - ETA: 0s - loss: 0.5865 - accuracy: 307/750 [=====>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.8756 [.....] - ETA: 0s - loss: 0.5847 - accuracy: 384/750 [=====>.....] - ETA: 0s - loss: 0.5847 - accuracy: 0.8758 [.....] - ETA: 0s - loss: 0.5843 - accuracy: 461/750 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.8755 [.....] - ETA: 0s - loss: 0.5832 - accuracy: 539/750 [=====>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.8758 [.....] - ETA: 0s - loss: 0.5821 - accuracy: 616/750 [=====>.....] - ETA: 0s - loss: 0.5821 - accuracy: 0.8765 [.....] - ETA: 0s - loss: 0.5848 - accuracy: 680/750 [=====>...] - ETA: 0s - loss: 0.5848 - accuracy: 0.8756 [.....] - 1s 814us/step - loss: 0.5853 - accuracy: 750/750 [=====] - 1s 814us/step - loss: 0.5853 - accuracy: 0.8757 - val_loss: 0.6106 - val_accuracy: 0.8643
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.4426 - accuracy: 0.9062 [.....] - ETA: 0s - loss: 0.5760 - accuracy: 78/750 [==>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8828 [.....] - ETA: 0s - loss: 0.5821 - accuracy: 156/750 [====>.....] - ETA: 0s - loss: 0.5821 - accuracy: 0.8793 [.....] - ETA: 0s - loss: 0.5810 - accuracy: 232/750 [=====>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.8779 [.....] - ETA: 0s - loss: 0.5860 - accuracy: 308/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy:

0.8766 [=====>.....] - ETA: 0s - loss: 0.5835 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5809 - accuracy:
0.8766 [=====>.....] - ETA: 0s - loss: 0.5821 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.5843 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
691/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
0.8755 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5842 - accuracy:
0.8756 - val_loss: 0.6112 - val_accuracy: 0.8652
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.5332 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5935 - accuracy:
80/750 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy:
0.8746 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy:
157/750 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy:
0.8741 [=====>.....] - ETA: 0s - loss: 0.5841 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.5844 - accuracy:
0.8747 [=====>.....] - ETA: 0s - loss: 0.5820 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.5814 - accuracy:
0.8738 [=====>.....] - ETA: 0s - loss: 0.5825 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
0.8756 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
0.8754 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
698/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
0.8759 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy:
750/750 [=====] - 1s 793us/step - loss: 0.5834 - accuracy:
0.8761 - val_loss: 0.6090 - val_accuracy: 0.8652
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.6570 - accuracy:
0.8125 [=====>.....] - ETA: 0s - loss: 0.5823 - accuracy:
78/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
0.8796 [=====>.....] - ETA: 0s - loss: 0.5814 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.5826 - accuracy:
0.8813 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy:
0.8785 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy:

0.8773 [=====>.....] - ETA: 0s - loss: 0.5822 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5822 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:
0.8775 [=====>.....] - ETA: 0s - loss: 0.5817 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.5817 - accuracy:
0.8768 [=====>.....] - ETA: 0s - loss: 0.5821 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.5821 - accuracy:
0.8764 [=====>...] - ETA: 0s - loss: 0.5822 - accuracy:
750/750 [=====] - 1s 804us/step - loss: 0.5822 - accuracy:
0.8760 - val_loss: 0.6092 - val_accuracy: 0.8657
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.4362 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5818 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5818 - accuracy:
0.8778 [==>.....] - ETA: 0s - loss: 0.5827 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.5827 - accuracy:
0.8724 [====>.....] - ETA: 0s - loss: 0.5837 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.5837 - accuracy:
0.8735 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy:
0.8742 [=====>.....] - ETA: 0s - loss: 0.5829 - accuracy:
387/750 [=====>.....] - ETA: 0s - loss: 0.5829 - accuracy:
0.8753 [=====>.....] - ETA: 0s - loss: 0.5816 - accuracy:
464/750 [=====>.....] - ETA: 0s - loss: 0.5816 - accuracy:
0.8754 [=====>.....] - ETA: 0s - loss: 0.5809 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.5809 - accuracy:
0.8753 [=====>.....] - ETA: 0s - loss: 0.5802 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5802 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.5813 - accuracy:
695/750 [=====>...] - ETA: 0s - loss: 0.5813 - accuracy:
0.8758 [=====>...] - ETA: 0s - loss: 0.5814 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.5814 - accuracy:
0.8760 - val_loss: 0.6102 - val_accuracy: 0.8648
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.6934 - accuracy:
0.7656 [.....] - ETA: 0s - loss: 0.5880 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.5880 - accuracy:
0.8723 [==>.....] - ETA: 0s - loss: 0.5831 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5831 - accuracy:
0.8719 [====>.....] - ETA: 0s - loss: 0.5808 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.5808 - accuracy:
0.8747 [=====>.....] - ETA: 0s - loss: 0.5854 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5854 - accuracy:
0.8737 [=====>.....] - ETA: 0s - loss: 0.5817 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.5817 - accuracy:
0.8751 [=====>.....] - ETA: 0s - loss: 0.5796 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.5796 - accuracy:

0.8764 [=====>.....] - ETA: 0s - loss: 0.5790 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.5790 - accuracy:
0.8768 [=====>.....] - ETA: 0s - loss: 0.5804 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.5804 - accuracy:
0.8771 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy:
688/750 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.5805 - accuracy:
750/750 [=====] - 1s 810us/step - loss: 0.5805 - accuracy:
0.8772 - val_loss: 0.6058 - val_accuracy: 0.8675
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.5818 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.8710 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8777 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
0.8793 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy:
0.8780 [=====>.....] - ETA: 0s - loss: 0.5771 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.5771 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8787 [=====>.....] - ETA: 0s - loss: 0.5803 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5803 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy:
0.8768 [=====>.....] - ETA: 0s - loss: 0.5798 - accuracy:
665/750 [=====>.....] - ETA: 0s - loss: 0.5798 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.5793 - accuracy:
743/750 [=====>.....] - ETA: 0s - loss: 0.5793 - accuracy:
0.8768 [=====>.....] - ETA: 0s - loss: 0.5797 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5797 - accuracy:
0.8765 - val_loss: 0.6060 - val_accuracy: 0.8661
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.6492 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
0.8748 [=====>.....] - ETA: 0s - loss: 0.5819 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.5819 - accuracy:
0.8777 [=====>.....] - ETA: 0s - loss: 0.5904 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.5904 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5773 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.5773 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.5792 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.5792 - accuracy:

0.8771 [=====>.....] - ETA: 0s - loss: 0.5815 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.5803 - accuracy:
0.8756 [=====>.....] - ETA: 0s - loss: 0.5780 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy:
0.8760 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy:
683/750 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy:
0.8773 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy:
750/750 [=====] - 1s 813us/step - loss: 0.5788 - accuracy:
0.8770 - val_loss: 0.6074 - val_accuracy: 0.8648
Epoch 132/220

1/750 [=====>.....] - ETA: 0s - loss: 0.6997 - accuracy:
0.8281 [=====>.....] - ETA: 0s - loss: 0.5535 - accuracy:
73/750 [=====>.....] - ETA: 0s - loss: 0.5648 - accuracy:
0.8881 [=====>.....] - ETA: 0s - loss: 0.5711 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.5749 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.5738 - accuracy:
0.8800 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5760 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8759 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
576/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8771 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
647/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
722/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.5779 - accuracy:
0.8764 - val_loss: 0.6060 - val_accuracy: 0.8642
Epoch 133/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5424 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5822 - accuracy:
76/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy:
0.8791 [=====>.....] - ETA: 0s - loss: 0.5706 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
0.8791 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
0.8799 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
302/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
0.8797 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
0.8787 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:

0.8782 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
0.8777 [=====>.....] - ETA: 0s - loss: 0.5767 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.5767 - accuracy:
0.8772 [=====>.....] - ETA: 0s - loss: 0.5771 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.5771 - accuracy:
0.8774 [=====] - 1s 814us/step - loss: 0.5770 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.5770 - accuracy:
0.8773 - val_loss: 0.6054 - val_accuracy: 0.8661
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.4690 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.5647 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5647 - accuracy:
0.8868 [====>.....] - ETA: 0s - loss: 0.5753 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5753 - accuracy:
0.8788 [====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
229/750 [====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8777 [====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
305/750 [====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8766 [====>.....] - ETA: 0s - loss: 0.5784 - accuracy:
383/750 [====>.....] - ETA: 0s - loss: 0.5784 - accuracy:
0.8766 [====>.....] - ETA: 0s - loss: 0.5745 - accuracy:
457/750 [====>.....] - ETA: 0s - loss: 0.5745 - accuracy:
0.8778 [====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
534/750 [====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
0.8776 [====>.....] - ETA: 0s - loss: 0.5766 - accuracy:
609/750 [====>.....] - ETA: 0s - loss: 0.5766 - accuracy:
0.8774 [====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
686/750 [====>...] - ETA: 0s - loss: 0.5769 - accuracy:
0.8769 [====>...] - 1s 808us/step - loss: 0.5761 - accuracy:
750/750 [====>] - 1s 808us/step - loss: 0.5761 - accuracy:
0.8773 - val_loss: 0.6043 - val_accuracy: 0.8668
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.6536 - accuracy:
0.8125 [==>.....] - ETA: 0s - loss: 0.5842 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5764 - accuracy:
0.8774 [====>.....] - ETA: 0s - loss: 0.5764 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5791 - accuracy:
0.8769 [====>.....] - ETA: 0s - loss: 0.5791 - accuracy:
230/750 [====>.....] - ETA: 0s - loss: 0.5718 - accuracy:
0.8763 [====>.....] - ETA: 0s - loss: 0.5718 - accuracy:
308/750 [====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
0.8788 [====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
382/750 [====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
0.8784 [====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
458/750 [====>.....] - ETA: 0s - loss: 0.5757 - accuracy:
0.8774 [====>.....] - ETA: 0s - loss: 0.5757 - accuracy:
536/750 [====>.....] - ETA: 0s - loss: 0.5757 - accuracy:

0.8779 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
685/750 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy:
750/750 [=====] - 1s 809us/step - loss: 0.5754 - accuracy:
0.8776 - val_loss: 0.6047 - val_accuracy: 0.8664
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.5198 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5198 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5833 - accuracy:
0.8748 [==>.....] - ETA: 0s - loss: 0.5833 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5826 - accuracy:
0.8751 [====>.....] - ETA: 0s - loss: 0.5826 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy:
0.8760 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5763 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.5763 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
0.8787 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:
0.8788 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:
571/750 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
647/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
723/750 [=====>..] - ETA: 0s - loss: 0.5746 - accuracy:
0.8778 [=====>..] - ETA: 0s - loss: 0.5746 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.5742 - accuracy:
0.8778 - val_loss: 0.6035 - val_accuracy: 0.8646
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.5322 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5322 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5627 - accuracy:
0.8832 [==>.....] - ETA: 0s - loss: 0.5627 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8767 [====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy:
0.8793 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
452/750 [=====>.....] - ETA: 0s - loss: 0.5714 - accuracy:
0.8780 [=====>.....] - ETA: 0s - loss: 0.5714 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:

0.8773 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
678/750 [=====>...] - ETA: 0s - loss: 0.5734 - accuracy:
0.8781 [=====] - 1s 834us/step - loss: 0.5734 - accuracy:
0.8778 - val_loss: 0.6011 - val_accuracy: 0.8673
Epoch 138/220

1/750 [.....] - ETA: 1s - loss: 0.7820 - accuracy:
0.7812 [=>.....] - ETA: 0s - loss: 0.5617 - accuracy:
0.8801 [====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
0.8791 [=====>.....] - ETA: 0s - loss: 0.5701 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5742 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.5726 - accuracy:
677/750 [=====>...] - ETA: 0s - loss: 0.5727 - accuracy:
0.8780 [=====>.....] - 1s 822us/step - loss: 0.5727 - accuracy:
0.8777 - val_loss: 0.6011 - val_accuracy: 0.8663
Epoch 139/220

1/750 [.....] - ETA: 1s - loss: 0.5944 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy:
0.8865 [====>.....] - ETA: 0s - loss: 0.5687 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
0.8815 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
0.8800 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8784 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:

0.8783 [=====] - ETA: 0s - loss: 0.5720 - accuracy:
678/750 [=====>...] - ETA: 0s - loss: 0.5720 - accuracy:
0.8785 [=====] - ETA: 0s - loss: 0.5720 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.5716 - accuracy:
0.8783 - val_loss: 0.6027 - val_accuracy: 0.8655
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.5137 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5137 - accuracy:
62/750 [=>.....] - ETA: 0s - loss: 0.5752 - accuracy:
0.8828 [.....] - ETA: 0s - loss: 0.5752 - accuracy:
139/750 [====>.....] - ETA: 0s - loss: 0.5633 - accuracy:
0.8835 [.....] - ETA: 0s - loss: 0.5633 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy:
0.8823 [.....] - ETA: 0s - loss: 0.5692 - accuracy:
291/750 [======>.....] - ETA: 0s - loss: 0.5712 - accuracy:
0.8803 [.....] - ETA: 0s - loss: 0.5712 - accuracy:
366/750 [======>.....] - ETA: 0s - loss: 0.5676 - accuracy:
0.8811 [.....] - ETA: 0s - loss: 0.5676 - accuracy:
440/750 [======>.....] - ETA: 0s - loss: 0.5695 - accuracy:
0.8802 [.....] - ETA: 0s - loss: 0.5695 - accuracy:
517/750 [======>.....] - ETA: 0s - loss: 0.5680 - accuracy:
0.8808 [.....] - ETA: 0s - loss: 0.5680 - accuracy:
596/750 [======>.....] - ETA: 0s - loss: 0.5698 - accuracy:
0.8803 [.....] - ETA: 0s - loss: 0.5698 - accuracy:
670/750 [======>....] - ETA: 0s - loss: 0.5711 - accuracy:
0.8792 [.....] - ETA: 0s - loss: 0.5711 - accuracy:
747/750 [======>.] - ETA: 0s - loss: 0.5711 - accuracy:
0.8790 [.....] - ETA: 0s - loss: 0.5711 - accuracy:
750/750 [=====] - 1s 817us/step - loss: 0.5710 - accuracy:
0.8790 - val_loss: 0.6028 - val_accuracy: 0.8638
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.5283 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5283 - accuracy:
79/750 [=>.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.8708 [.....] - ETA: 0s - loss: 0.5912 - accuracy:
156/750 [=====>.....] - ETA: 0s - loss: 0.5805 - accuracy:
0.8742 [.....] - ETA: 0s - loss: 0.5805 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5753 - accuracy:
0.8749 [.....] - ETA: 0s - loss: 0.5753 - accuracy:
308/750 [======>.....] - ETA: 0s - loss: 0.5720 - accuracy:
0.8770 [.....] - ETA: 0s - loss: 0.5720 - accuracy:
384/750 [======>.....] - ETA: 0s - loss: 0.5702 - accuracy:
0.8775 [.....] - ETA: 0s - loss: 0.5702 - accuracy:
462/750 [======>.....] - ETA: 0s - loss: 0.5709 - accuracy:
0.8779 [.....] - ETA: 0s - loss: 0.5709 - accuracy:
538/750 [======>.....] - ETA: 0s - loss: 0.5700 - accuracy:
0.8780 [.....] - ETA: 0s - loss: 0.5700 - accuracy:
616/750 [======>.....] - ETA: 0s - loss: 0.5719 - accuracy:

0.8781 [=====>...] - ETA: 0s - loss: 0.5714 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.5714 - accuracy:
0.8780 [=====>...] - ETA: 0s - loss: 0.5714 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5703 - accuracy:
0.8786 - val_loss: 0.5992 - val_accuracy: 0.8674
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.5896 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5896 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5701 - accuracy:
0.8780 [=>.....] - ETA: 0s - loss: 0.5701 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.5660 - accuracy:
0.8799 [=====>.....] - ETA: 0s - loss: 0.5660 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.5738 - accuracy:
0.8767 [=====>.....] - ETA: 0s - loss: 0.5738 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy:
0.8796 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
0.8791 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5688 - accuracy:
0.8795 [=====>.....] - ETA: 0s - loss: 0.5688 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.8800 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy:
0.8800 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.5693 - accuracy:
0.8796 [=====>...] - ETA: 0s - loss: 0.5693 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5692 - accuracy:
0.8794 - val_loss: 0.5974 - val_accuracy: 0.8676
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.6361 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6361 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy:
0.8843 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy:
153/750 [=====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
0.8789 [=====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.5753 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.5753 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
0.8796 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy:
0.8800 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.5666 - accuracy:
0.8810 [=====>.....] - ETA: 0s - loss: 0.5666 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy:
0.8798 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy:
680/750 [=====>...] - ETA: 0s - loss: 0.5687 - accuracy:

0.8794
750/750 [=====] - 1s 813us/step - loss: 0.5685 - accuracy:
0.8795 - val_loss: 0.5976 - val_accuracy: 0.8681
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.4771 - accuracy:
0.9219
77/750 [==>.....] - ETA: 0s - loss: 0.5769 - accuracy:
0.8780
151/750 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.8865
228/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8818
305/750 [======>.....] - ETA: 0s - loss: 0.5635 - accuracy:
0.8823
380/750 [======>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8814
457/750 [======>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8801
532/750 [======>.....] - ETA: 0s - loss: 0.5679 - accuracy:
0.8796
610/750 [======>.....] - ETA: 0s - loss: 0.5685 - accuracy:
0.8791
685/750 [======>...] - ETA: 0s - loss: 0.5694 - accuracy:
0.8790
750/750 [=====] - 1s 812us/step - loss: 0.5676 - accuracy:
0.8794 - val_loss: 0.5975 - val_accuracy: 0.8689
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.5650 - accuracy:
0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.5704 - accuracy:
0.8759
149/750 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy:
0.8778
224/750 [=====>.....] - ETA: 0s - loss: 0.5649 - accuracy:
0.8792
302/750 [======>.....] - ETA: 0s - loss: 0.5672 - accuracy:
0.8784
374/750 [======>.....] - ETA: 0s - loss: 0.5708 - accuracy:
0.8773
451/750 [======>.....] - ETA: 0s - loss: 0.5685 - accuracy:
0.8782
525/750 [======>.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.8784
602/750 [======>.....] - ETA: 0s - loss: 0.5682 - accuracy:
0.8791
678/750 [======>...] - ETA: 0s - loss: 0.5678 - accuracy:
0.8794
750/750 [=====] - 1s 820us/step - loss: 0.5667 - accuracy:

0.8801 - val_loss: 0.5957 - val_accuracy: 0.8677
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.4470 - accuracy:
0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.5502 - accuracy:
0.8843
151/750 [=====>.....] - ETA: 0s - loss: 0.5548 - accuracy:
0.8820
228/750 [=====>.....] - ETA: 0s - loss: 0.5586 - accuracy:
0.8817
306/750 [======>.....] - ETA: 0s - loss: 0.5626 - accuracy:
0.8806
380/750 [======>.....] - ETA: 0s - loss: 0.5625 - accuracy:
0.8808
456/750 [======>.....] - ETA: 0s - loss: 0.5626 - accuracy:
0.8807
534/750 [======>.....] - ETA: 0s - loss: 0.5634 - accuracy:
0.8803
611/750 [======>.....] - ETA: 0s - loss: 0.5651 - accuracy:
0.8793
688/750 [======>...] - ETA: 0s - loss: 0.5658 - accuracy:
0.8796
750/750 [=====] - 1s 808us/step - loss: 0.5660 - accuracy:
0.8796 - val_loss: 0.5960 - val_accuracy: 0.8673
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.5936 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8719
154/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy:
0.8743
232/750 [=====>.....] - ETA: 0s - loss: 0.5657 - accuracy:
0.8780
309/750 [======>.....] - ETA: 0s - loss: 0.5667 - accuracy:
0.8771
386/750 [======>.....] - ETA: 0s - loss: 0.5673 - accuracy:
0.8773
460/750 [======>.....] - ETA: 0s - loss: 0.5642 - accuracy:
0.8785
535/750 [======>.....] - ETA: 0s - loss: 0.5642 - accuracy:
0.8793
613/750 [======>.....] - ETA: 0s - loss: 0.5656 - accuracy:
0.8794
687/750 [======>...] - ETA: 0s - loss: 0.5653 - accuracy:
0.8795
750/750 [=====] - 1s 805us/step - loss: 0.5653 - accuracy:
0.8796 - val_loss: 0.5943 - val_accuracy: 0.8687
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.7055 - accuracy: 0.8281
78/750 [==>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.8784
156/750 [=====>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.8766
233/750 [=====>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.8770
309/750 [======>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.8776
386/750 [======>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.8793
463/750 [======>.....] - ETA: 0s - loss: 0.5665 - accuracy: 0.8800
540/750 [======>.....] - ETA: 0s - loss: 0.5665 - accuracy: 0.8794
617/750 [======>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8798
691/750 [======>...] - ETA: 0s - loss: 0.5645 - accuracy: 0.8802
750/750 [=====] - 1s 798us/step - loss: 0.5645 - accuracy: 0.8802 - val_loss: 0.5955 - val_accuracy: 0.8677
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.7040 - accuracy: 0.8281
78/750 [==>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8846
154/750 [=====>.....] - ETA: 0s - loss: 0.5641 - accuracy: 0.8820
232/750 [=====>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8822
309/750 [======>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8809
388/750 [======>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8820
464/750 [======>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8816
541/750 [======>.....] - ETA: 0s - loss: 0.5639 - accuracy: 0.8807
618/750 [======>.....] - ETA: 0s - loss: 0.5647 - accuracy: 0.8804
696/750 [======>...] - ETA: 0s - loss: 0.5629 - accuracy: 0.8807
750/750 [=====] - 1s 794us/step - loss: 0.5634 - accuracy: 0.8803 - val_loss: 0.5943 - val_accuracy: 0.8681
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.5134 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.5676 - accuracy: 0.8820
78/750 [==>.....] - ETA: 0s - loss: 0.5676 - accuracy: 0.8820
156/750 [====>.....] - ETA: 0s - loss: 0.5743 - accuracy: 0.8747
231/750 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy: 0.8781
307/750 [======>.....] - ETA: 0s - loss: 0.5650 - accuracy: 0.8794
386/750 [======>.....] - ETA: 0s - loss: 0.5645 - accuracy: 0.8801
461/750 [======>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8815
540/750 [======>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.8817
618/750 [======>.....] - ETA: 0s - loss: 0.5618 - accuracy: 0.8814
694/750 [======>...] - ETA: 0s - loss: 0.5616 - accuracy: 0.8814
750/750 [=====] - 1s 797us/step - loss: 0.5628 - accuracy: 0.8810 - val_loss: 0.5932 - val_accuracy: 0.8688
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.5413 - accuracy: 0.8896
155/750 [====>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.8807
232/750 [=====>.....] - ETA: 0s - loss: 0.5567 - accuracy: 0.8819
308/750 [======>.....] - ETA: 0s - loss: 0.5601 - accuracy: 0.8807
386/750 [======>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8811
463/750 [======>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.8823
543/750 [======>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.8803
619/750 [======>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.8795
696/750 [======>...] - ETA: 0s - loss: 0.5619 - accuracy: 0.8797
750/750 [=====] - 1s 798us/step - loss: 0.5618 - accuracy: 0.8801 - val_loss: 0.5929 - val_accuracy: 0.8681
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.3721 - accuracy: 0.9531
78/750 [==>.....] - ETA: 0s - loss: 0.5594 - accuracy: 0.8810

0.8786 [====>.....] - ETA: 0s - loss: 0.5589 - accuracy: 0.8775
234/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.8813
312/750 [=====>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.8817
390/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8811
468/750 [=====>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.8806
544/750 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.8801
619/750 [=====>.....] - ETA: 0s - loss: 0.5621 - accuracy: 0.8802
698/750 [=====>...] - ETA: 0s - loss: 0.5631 - accuracy: 0.8801
750/750 [=====>] - 1s 794us/step - loss: 0.5614 - accuracy: 0.8805 - val_loss: 0.5919 - val_accuracy: 0.8690
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.4285 - accuracy: 0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.5792 - accuracy: 0.8746
153/750 [====>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8764
231/750 [=====>.....] - ETA: 0s - loss: 0.5697 - accuracy: 0.8798
307/750 [=====>.....] - ETA: 0s - loss: 0.5672 - accuracy: 0.8810
385/750 [=====>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.8808
462/750 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.8825
538/750 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy: 0.8824
616/750 [=====>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8816
694/750 [=====>...] - ETA: 0s - loss: 0.5606 - accuracy: 0.8809
750/750 [=====>] - 1s 798us/step - loss: 0.5604 - accuracy: 0.8811 - val_loss: 0.5904 - val_accuracy: 0.8683
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.6592 - accuracy: 0.8594
78/750 [==>.....] - ETA: 0s - loss: 0.5363 - accuracy: 0.8904
157/750 [====>.....] - ETA: 0s - loss: 0.5495 - accuracy:

0.8850 [=====>.....] - ETA: 0s - loss: 0.5519 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.5519 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.5518 - accuracy:
312/750 [=====>.....] - ETA: 0s - loss: 0.5518 - accuracy:
0.8836 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy:
389/750 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.5580 - accuracy:
466/750 [=====>.....] - ETA: 0s - loss: 0.5580 - accuracy:
0.8819 [=====>.....] - ETA: 0s - loss: 0.5572 - accuracy:
545/750 [=====>.....] - ETA: 0s - loss: 0.5572 - accuracy:
0.8824 [=====>.....] - ETA: 0s - loss: 0.5575 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5575 - accuracy:
0.8820 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.5581 - accuracy:
0.8820 [=====>...] - ETA: 0s - loss: 0.5594 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5594 - accuracy:
0.8816 - val_loss: 0.5900 - val_accuracy: 0.8701
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.4818 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.5721 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.5721 - accuracy:
0.8760 [==>.....] - ETA: 0s - loss: 0.5532 - accuracy:
155/750 [==>.....] - ETA: 0s - loss: 0.5532 - accuracy:
0.8834 [==>.....] - ETA: 0s - loss: 0.5605 - accuracy:
233/750 [==>.....] - ETA: 0s - loss: 0.5605 - accuracy:
0.8818 [==>.....] - ETA: 0s - loss: 0.5642 - accuracy:
309/750 [==>.....] - ETA: 0s - loss: 0.5642 - accuracy:
0.8808 [==>.....] - ETA: 0s - loss: 0.5619 - accuracy:
387/750 [==>.....] - ETA: 0s - loss: 0.5619 - accuracy:
0.8813 [==>.....] - ETA: 0s - loss: 0.5609 - accuracy:
460/750 [==>.....] - ETA: 0s - loss: 0.5609 - accuracy:
0.8813 [==>.....] - ETA: 0s - loss: 0.5608 - accuracy:
533/750 [==>.....] - ETA: 0s - loss: 0.5586 - accuracy:
607/750 [==>.....] - ETA: 0s - loss: 0.5586 - accuracy:
0.8820 [==>.....] - ETA: 0s - loss: 0.5592 - accuracy:
686/750 [==>.....] - ETA: 0s - loss: 0.5592 - accuracy:
0.8817 [==>.....] - ETA: 0s - loss: 0.5590 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.5590 - accuracy:
0.8816 - val_loss: 0.5899 - val_accuracy: 0.8683
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.4807 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.5632 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5632 - accuracy:
0.8779 [==>.....] - ETA: 0s - loss: 0.5631 - accuracy:
153/750 [==>.....] - ETA: 0s - loss: 0.5631 - accuracy:
0.8820 [==>.....] - ETA: 0s - loss: 0.5613 - accuracy:
228/750 [==>.....] - ETA: 0s - loss: 0.5613 - accuracy:

0.8802 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy: 0.8812
303/750 [=====>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8816
381/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.8819
458/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.8819
533/750 [=====>.....] - ETA: 0s - loss: 0.5587 - accuracy: 0.8816
611/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.8818
686/750 [=====>...] - ETA: 0s - loss: 0.5578 - accuracy: 0.8815
750/750 [=====] - 1s 805us/step - loss: 0.5578 - accuracy: 0.8815 - val_loss: 0.5893 - val_accuracy: 0.8683
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.8821
152/750 [====>.....] - ETA: 0s - loss: 0.5568 - accuracy: 0.8811
229/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.8792
306/750 [=====>.....] - ETA: 0s - loss: 0.5562 - accuracy: 0.8791
382/750 [=====>.....] - ETA: 0s - loss: 0.5587 - accuracy: 0.8791
456/750 [=====>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8789
533/750 [=====>.....] - ETA: 0s - loss: 0.5592 - accuracy: 0.8797
608/750 [=====>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.8798
684/750 [=====>...] - ETA: 0s - loss: 0.5570 - accuracy: 0.8805
750/750 [=====] - 1s 804us/step - loss: 0.5570 - accuracy: 0.8804 - val_loss: 0.5900 - val_accuracy: 0.8679
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.3929 - accuracy: 0.9531
78/750 [==>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.8846
155/750 [====>.....] - ETA: 0s - loss: 0.5513 - accuracy: 0.8818
232/750 [=====>.....] - ETA: 0s - loss: 0.5511 - accuracy: 0.8834
309/750 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy: 0.8834

0.8835 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy:
0.8824 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
0.8813 [=====>.....] - ETA: 0s - loss: 0.5538 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.5551 - accuracy:
0.8823 [=====] - 1s 801us/step - loss: 0.5563 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5563 - accuracy:
0.8816 - val_loss: 0.5884 - val_accuracy: 0.8680
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.5922 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5636 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5636 - accuracy:
0.8762 [==>.....] - ETA: 0s - loss: 0.5582 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.5582 - accuracy:
0.8811 [====>.....] - ETA: 0s - loss: 0.5562 - accuracy:
233/750 [=====>.....] - ETA: 0s - loss: 0.5562 - accuracy:
0.8811 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy:
0.8802 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy:
0.8819 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy:
0.8830 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.5550 - accuracy:
0.8824 [=====>...] - 1s 801us/step - loss: 0.5554 - accuracy:
750/750 [=====>...] - 1s 801us/step - loss: 0.5554 - accuracy:
0.8824 - val_loss: 0.5877 - val_accuracy: 0.8702
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.5026 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5447 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5447 - accuracy:
0.8821 [==>.....] - ETA: 0s - loss: 0.5450 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5450 - accuracy:
0.8823 [====>.....] - ETA: 0s - loss: 0.5484 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.5484 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
0.8805 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy:

0.8806 [=====>.....] - ETA: 0s - loss: 0.5527 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy:
0.8818 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy:
0.8817 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
0.8821 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
674/750 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
747/750 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
0.8817 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.5550 - accuracy:
0.8816 - val_loss: 0.5859 - val_accuracy: 0.8708
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.4617 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.5581 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5480 - accuracy:
0.8811 [==>.....] - ETA: 0s - loss: 0.5523 - accuracy:
154/750 [==>.....] - ETA: 0s - loss: 0.5529 - accuracy:
0.8859 [==>.....] - ETA: 0s - loss: 0.5541 - accuracy:
231/750 [==>.....] - ETA: 0s - loss: 0.5561 - accuracy:
0.8861 [==>.....] - ETA: 0s - loss: 0.5561 - accuracy:
306/750 [==>.....] - ETA: 0s - loss: 0.5540 - accuracy:
0.8850 [==>.....] - ETA: 0s - loss: 0.5528 - accuracy:
386/750 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8841 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
462/750 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8828 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
540/750 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8816 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
618/750 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8824 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
695/750 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8827 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy:
750/750 [=====] - 1s 796us/step - loss: 0.5538 - accuracy:
0.8824 - val_loss: 0.5854 - val_accuracy: 0.8694
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5626 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5582 - accuracy:
0.8785 [==>.....] - ETA: 0s - loss: 0.5506 - accuracy:
153/750 [==>.....] - ETA: 0s - loss: 0.5479 - accuracy:
0.8805 [==>.....] - ETA: 0s - loss: 0.5466 - accuracy:
232/750 [==>.....] - ETA: 0s - loss: 0.5466 - accuracy:
0.8833 [==>.....] - ETA: 0s - loss: 0.5466 - accuracy:
309/750 [==>.....] - ETA: 0s - loss: 0.5466 - accuracy:
0.8846 [==>.....] - ETA: 0s - loss: 0.5466 - accuracy:
384/750 [==>.....] - ETA: 0s - loss: 0.5466 - accuracy:

0.8854 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5487 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.5513 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8842 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy:
0.8827 [=====>.....] - ETA: 0s - loss: 0.5531 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.5531 - accuracy:
0.8822 - val_loss: 0.5857 - val_accuracy: 0.8704
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.6705 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.5470 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5477 - accuracy:
0.8833 [=>.....] - ETA: 0s - loss: 0.5526 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5498 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.5526 - accuracy:
0.8809 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5498 - accuracy:
0.8820 [=====>.....] - ETA: 0s - loss: 0.5526 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.5526 - accuracy:
0.8838 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5545 - accuracy:
0.8826 [=====>.....] - ETA: 0s - loss: 0.5522 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.8818 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
671/750 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.8830 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
745/750 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.8827 [=====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
750/750 [=====>.....] - 1s 821us/step - loss: 0.5524 - accuracy:
0.8828 - val_loss: 0.5864 - val_accuracy: 0.8693
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.5679 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5371 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy:
0.8879 [=>.....] - ETA: 0s - loss: 0.5485 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.5473 - accuracy:
0.8843 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8833 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
379/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:

0.8829 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.5517 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8820 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5510 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.5510 - accuracy:
0.8824 [=====>...] - ETA: 0s - loss: 0.5520 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.5520 - accuracy:
0.8824 - val_loss: 0.5848 - val_accuracy: 0.8706
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.6641 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5560 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8839 [==>.....] - ETA: 0s - loss: 0.5539 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5539 - accuracy:
0.8848 [====>.....] - ETA: 0s - loss: 0.5565 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5565 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8807 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy:
0.8810 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy:
0.8826 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.5521 - accuracy:
0.8824 [=====>...] - ETA: 0s - loss: 0.5509 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.5509 - accuracy:
0.8829 - val_loss: 0.5835 - val_accuracy: 0.8693
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.5914 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5344 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5344 - accuracy:
0.8869 [==>.....] - ETA: 0s - loss: 0.5377 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5377 - accuracy:
0.8859 [====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
0.8817 [=====>.....] - ETA: 0s - loss: 0.5518 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.5518 - accuracy:
0.8806 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8813 [=====>.....] - ETA: 0s - loss: 0.5522 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.5522 - accuracy:

0.8805
538/750 [=====>.....] - ETA: 0s - loss: 0.5497 - accuracy:
0.8821
616/750 [=====>.....] - ETA: 0s - loss: 0.5510 - accuracy:
0.8824
694/750 [=====>...] - ETA: 0s - loss: 0.5500 - accuracy:
0.8827
750/750 [=====] - 1s 798us/step - loss: 0.5503 - accuracy:
0.8826 - val_loss: 0.5836 - val_accuracy: 0.8717
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.5134 - accuracy:
0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.5448 - accuracy:
0.8843
148/750 [====>.....] - ETA: 0s - loss: 0.5437 - accuracy:
0.8868
223/750 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.8856
300/750 [=====>.....] - ETA: 0s - loss: 0.5497 - accuracy:
0.8841
377/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8837
454/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8835
531/750 [=====>.....] - ETA: 0s - loss: 0.5498 - accuracy:
0.8832
610/750 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy:
0.8825
687/750 [=====>...] - ETA: 0s - loss: 0.5509 - accuracy:
0.8824
750/750 [=====] - 1s 808us/step - loss: 0.5494 - accuracy:
0.8830 - val_loss: 0.5821 - val_accuracy: 0.8706
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.4770 - accuracy:
0.9219
79/750 [==>.....] - ETA: 0s - loss: 0.5347 - accuracy:
0.8896
154/750 [====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.8879
232/750 [=====>.....] - ETA: 0s - loss: 0.5440 - accuracy:
0.8866
311/750 [=====>.....] - ETA: 0s - loss: 0.5486 - accuracy:
0.8837
388/750 [=====>.....] - ETA: 0s - loss: 0.5484 - accuracy:
0.8841
466/750 [=====>.....] - ETA: 0s - loss: 0.5483 - accuracy:
0.8837
543/750 [=====>.....] - ETA: 0s - loss: 0.5487 - accuracy:

0.8833 [=====>.....] - ETA: 0s - loss: 0.5494 - accuracy: 0.8832
620/750 [=====>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.8826
695/750 [=====>...] - ETA: 0s - loss: 0.5487 - accuracy: 0.8832 - val_loss: 0.5820 - val_accuracy: 0.8712
750/750 [=====] - 1s 800us/step - loss: 0.5487 - accuracy: 0.8832 - val_loss: 0.5820 - val_accuracy: 0.8712
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.5585 - accuracy: 0.8793
153/750 [====>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8797
228/750 [=====>.....] - ETA: 0s - loss: 0.5541 - accuracy: 0.8834
304/750 [=====>.....] - ETA: 0s - loss: 0.5490 - accuracy: 0.8844
381/750 [=====>.....] - ETA: 0s - loss: 0.5494 - accuracy: 0.8838
456/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy: 0.8840
532/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.8844
610/750 [=====>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.8841
685/750 [=====>...] - ETA: 0s - loss: 0.5479 - accuracy: 0.8838
750/750 [=====] - 1s 805us/step - loss: 0.5480 - accuracy: 0.8838 - val_loss: 0.5818 - val_accuracy: 0.8716
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.4630 - accuracy: 0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.5502 - accuracy: 0.8818
155/750 [====>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.8779
229/750 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.8792
307/750 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.8824
384/750 [=====>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.8819
461/750 [=====>.....] - ETA: 0s - loss: 0.5520 - accuracy: 0.8812
539/750 [=====>.....] - ETA: 0s - loss: 0.5495 - accuracy: 0.8825
615/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8825

0.8831 [=====>...] - ETA: 0s - loss: 0.5486 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.5486 - accuracy:
0.8828 [=====>...] - ETA: 0s - loss: 0.5486 - accuracy:
750/750 [=====>...] - 1s 801us/step - loss: 0.5471 - accuracy:
0.8837 - val_loss: 0.5812 - val_accuracy: 0.8699
Epoch 171/220

1/750 [=====>...] - ETA: 0s - loss: 0.5478 - accuracy:
0.8594 [=====>...] - ETA: 0s - loss: 0.5478 - accuracy:
80/750 [=====>...] - ETA: 0s - loss: 0.5397 - accuracy:
0.8842 [=====>...] - ETA: 0s - loss: 0.5397 - accuracy:
155/750 [=====>...] - ETA: 0s - loss: 0.5453 - accuracy:
0.8847 [=====>...] - ETA: 0s - loss: 0.5453 - accuracy:
232/750 [=====>...] - ETA: 0s - loss: 0.5479 - accuracy:
0.8846 [=====>...] - ETA: 0s - loss: 0.5479 - accuracy:
307/750 [=====>...] - ETA: 0s - loss: 0.5501 - accuracy:
0.8822 [=====>...] - ETA: 0s - loss: 0.5501 - accuracy:
381/750 [=====>...] - ETA: 0s - loss: 0.5484 - accuracy:
0.8828 [=====>...] - ETA: 0s - loss: 0.5484 - accuracy:
457/750 [=====>...] - ETA: 0s - loss: 0.5447 - accuracy:
0.8834 [=====>...] - ETA: 0s - loss: 0.5447 - accuracy:
535/750 [=====>...] - ETA: 0s - loss: 0.5435 - accuracy:
0.8844 [=====>...] - ETA: 0s - loss: 0.5435 - accuracy:
611/750 [=====>...] - ETA: 0s - loss: 0.5449 - accuracy:
0.8835 [=====>...] - ETA: 0s - loss: 0.5449 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.5462 - accuracy:
0.8834 [=====>...] - ETA: 0s - loss: 0.5462 - accuracy:
750/750 [=====>...] - 1s 804us/step - loss: 0.5465 - accuracy:
0.8835 - val_loss: 0.5813 - val_accuracy: 0.8698
Epoch 172/220

1/750 [=====>...] - ETA: 0s - loss: 0.4377 - accuracy:
0.9531 [=====>...] - ETA: 0s - loss: 0.4377 - accuracy:
76/750 [=====>...] - ETA: 0s - loss: 0.5532 - accuracy:
0.8806 [=====>...] - ETA: 0s - loss: 0.5532 - accuracy:
154/750 [=====>...] - ETA: 0s - loss: 0.5509 - accuracy:
0.8820 [=====>...] - ETA: 0s - loss: 0.5509 - accuracy:
230/750 [=====>...] - ETA: 0s - loss: 0.5461 - accuracy:
0.8836 [=====>...] - ETA: 0s - loss: 0.5461 - accuracy:
307/750 [=====>...] - ETA: 0s - loss: 0.5425 - accuracy:
0.8850 [=====>...] - ETA: 0s - loss: 0.5425 - accuracy:
382/750 [=====>...] - ETA: 0s - loss: 0.5433 - accuracy:
0.8851 [=====>...] - ETA: 0s - loss: 0.5433 - accuracy:
459/750 [=====>...] - ETA: 0s - loss: 0.5445 - accuracy:
0.8844 [=====>...] - ETA: 0s - loss: 0.5445 - accuracy:
534/750 [=====>...] - ETA: 0s - loss: 0.5443 - accuracy:
0.8840 [=====>...] - ETA: 0s - loss: 0.5443 - accuracy:
613/750 [=====>...] - ETA: 0s - loss: 0.5456 - accuracy:
0.8837 [=====>...] - ETA: 0s - loss: 0.5456 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.5452 - accuracy:

0.8837
750/750 [=====] - 1s 800us/step - loss: 0.5460 - accuracy:
0.8836 - val_loss: 0.5809 - val_accuracy: 0.8692
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.5799 - accuracy:
0.8281
79/750 [==>.....] - ETA: 0s - loss: 0.5422 - accuracy:
0.8877
157/750 [====>.....] - ETA: 0s - loss: 0.5507 - accuracy:
0.8815
233/750 [=====>.....] - ETA: 0s - loss: 0.5448 - accuracy:
0.8828
312/750 [======>.....] - ETA: 0s - loss: 0.5449 - accuracy:
0.8840
388/750 [======>.....] - ETA: 0s - loss: 0.5462 - accuracy:
0.8840
466/750 [======>.....] - ETA: 0s - loss: 0.5475 - accuracy:
0.8839
541/750 [======>.....] - ETA: 0s - loss: 0.5473 - accuracy:
0.8842
617/750 [======>.....] - ETA: 0s - loss: 0.5467 - accuracy:
0.8844
694/750 [======>...] - ETA: 0s - loss: 0.5463 - accuracy:
0.8843
750/750 [=====] - 1s 798us/step - loss: 0.5450 - accuracy:
0.8845 - val_loss: 0.5791 - val_accuracy: 0.8702
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.4449 - accuracy:
0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.5615 - accuracy:
0.8862
153/750 [====>.....] - ETA: 0s - loss: 0.5474 - accuracy:
0.8862
230/750 [=====>.....] - ETA: 0s - loss: 0.5491 - accuracy:
0.8838
306/750 [======>.....] - ETA: 0s - loss: 0.5492 - accuracy:
0.8840
384/750 [======>.....] - ETA: 0s - loss: 0.5465 - accuracy:
0.8846
461/750 [======>.....] - ETA: 0s - loss: 0.5454 - accuracy:
0.8848
539/750 [======>.....] - ETA: 0s - loss: 0.5462 - accuracy:
0.8841
618/750 [======>.....] - ETA: 0s - loss: 0.5442 - accuracy:
0.8844
696/750 [======>...] - ETA: 0s - loss: 0.5430 - accuracy:
0.8850
750/750 [=====] - 1s 793us/step - loss: 0.5442 - accuracy:

0.8844 - val_loss: 0.5800 - val_accuracy: 0.8706
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.8816
155/750 [=====>.....] - ETA: 0s - loss: 0.5525 - accuracy: 0.8830
229/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.8860
305/750 [======>.....] - ETA: 0s - loss: 0.5429 - accuracy: 0.8861
384/750 [======>.....] - ETA: 0s - loss: 0.5446 - accuracy: 0.8848
458/750 [======>.....] - ETA: 0s - loss: 0.5433 - accuracy: 0.8852
535/750 [======>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.8846
613/750 [======>.....] - ETA: 0s - loss: 0.5449 - accuracy: 0.8832
690/750 [======>...] - ETA: 0s - loss: 0.5438 - accuracy: 0.8841
750/750 [=====] - 1s 801us/step - loss: 0.5435 - accuracy: 0.8843 - val_loss: 0.5815 - val_accuracy: 0.8692
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.4717 - accuracy: 0.8750
79/750 [==>.....] - ETA: 0s - loss: 0.5439 - accuracy: 0.8847
157/750 [=====>.....] - ETA: 0s - loss: 0.5452 - accuracy: 0.8861
234/750 [=====>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.8858
311/750 [======>.....] - ETA: 0s - loss: 0.5451 - accuracy: 0.8839
388/750 [======>.....] - ETA: 0s - loss: 0.5464 - accuracy: 0.8832
467/750 [======>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.8846
545/750 [======>.....] - ETA: 0s - loss: 0.5429 - accuracy: 0.8843
621/750 [======>.....] - ETA: 0s - loss: 0.5451 - accuracy: 0.8841
700/750 [======>...] - ETA: 0s - loss: 0.5436 - accuracy: 0.8842
750/750 [=====] - 1s 793us/step - loss: 0.5427 - accuracy: 0.8843 - val_loss: 0.5794 - val_accuracy: 0.8706
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.5024 - accuracy: 0.8281
76/750 [==>.....] - ETA: 0s - loss: 0.5398 - accuracy: 0.8859
153/750 [=====>.....] - ETA: 0s - loss: 0.5513 - accuracy: 0.8815
230/750 [=====>.....] - ETA: 0s - loss: 0.5481 - accuracy: 0.8838
306/750 [======>.....] - ETA: 0s - loss: 0.5505 - accuracy: 0.8835
384/750 [======>.....] - ETA: 0s - loss: 0.5465 - accuracy: 0.8844
462/750 [======>.....] - ETA: 0s - loss: 0.5442 - accuracy: 0.8851
540/750 [======>.....] - ETA: 0s - loss: 0.5432 - accuracy: 0.8855
618/750 [======>.....] - ETA: 0s - loss: 0.5406 - accuracy: 0.8865
694/750 [======>...] - ETA: 0s - loss: 0.5418 - accuracy: 0.8856
750/750 [=====] - 1s 797us/step - loss: 0.5420 - accuracy: 0.8853 - val_loss: 0.5766 - val_accuracy: 0.8722
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.4942 - accuracy: 0.9219
77/750 [==>.....] - ETA: 0s - loss: 0.5330 - accuracy: 0.8884
156/750 [=====>.....] - ETA: 0s - loss: 0.5425 - accuracy: 0.8867
231/750 [=====>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.8847
308/750 [======>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.8858
386/750 [======>.....] - ETA: 0s - loss: 0.5408 - accuracy: 0.8858
463/750 [======>.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.8850
539/750 [======>.....] - ETA: 0s - loss: 0.5387 - accuracy: 0.8862
616/750 [======>.....] - ETA: 0s - loss: 0.5410 - accuracy: 0.8847
690/750 [======>...] - ETA: 0s - loss: 0.5397 - accuracy: 0.8851
750/750 [=====] - 1s 828us/step - loss: 0.5413 - accuracy: 0.8849 - val_loss: 0.5776 - val_accuracy: 0.8716
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.5573 - accuracy:

0.9062 [.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8900
73/750 [=>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8900
150/750 [====>.....] - ETA: 0s - loss: 0.5392 - accuracy: 0.8841
227/750 [=====>.....] - ETA: 0s - loss: 0.5360 - accuracy: 0.8854
302/750 [======>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.8853
377/750 [======>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.8868
454/750 [======>.....] - ETA: 0s - loss: 0.5381 - accuracy: 0.8866
531/750 [======>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8861
608/750 [======>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.8854
685/750 [======>...] - ETA: 0s - loss: 0.5414 - accuracy: 0.8849
750/750 [=====] - 1s 807us/step - loss: 0.5407 - accuracy: 0.8851 - val_loss: 0.5775 - val_accuracy: 0.8719
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.5545 - accuracy: 0.8906
77/750 [=>.....] - ETA: 0s - loss: 0.5407 - accuracy: 0.8874
155/750 [====>.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.8875
226/750 [=====>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8883
304/750 [======>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8876
381/750 [======>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.8860
456/750 [======>.....] - ETA: 0s - loss: 0.5402 - accuracy: 0.8859
533/750 [======>.....] - ETA: 0s - loss: 0.5400 - accuracy: 0.8857
608/750 [======>.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.8863
685/750 [======>...] - ETA: 0s - loss: 0.5385 - accuracy: 0.8860
750/750 [=====] - 1s 810us/step - loss: 0.5397 - accuracy: 0.8855 - val_loss: 0.5771 - val_accuracy: 0.8693
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.8281
76/750 [=>.....] - ETA: 0s - loss: 0.5544 - accuracy:

0.8779 [=====>.....] - ETA: 0s - loss: 0.5400 - accuracy: 0.8816
230/750 [=====>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.8837
308/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.8831
386/750 [=====>.....] - ETA: 0s - loss: 0.5400 - accuracy: 0.8836
464/750 [=====>.....] - ETA: 0s - loss: 0.5400 - accuracy: 0.8840
541/750 [=====>.....] - ETA: 0s - loss: 0.5387 - accuracy: 0.8849
620/750 [=====>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.8856
697/750 [=====>...] - ETA: 0s - loss: 0.5372 - accuracy: 0.8862
750/750 [=====] - 1s 793us/step - loss: 0.5392 - accuracy: 0.8855 - val_loss: 0.5752 - val_accuracy: 0.8720
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.7359 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.8936
152/750 [====>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.8885
229/750 [=====>.....] - ETA: 0s - loss: 0.5294 - accuracy: 0.8898
306/750 [=====>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8867
385/750 [=====>.....] - ETA: 0s - loss: 0.5355 - accuracy: 0.8860
462/750 [=====>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.8856
538/750 [=====>.....] - ETA: 0s - loss: 0.5371 - accuracy: 0.8862
615/750 [=====>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.8852
691/750 [=====>...] - ETA: 0s - loss: 0.5384 - accuracy: 0.8855
750/750 [=====] - 1s 802us/step - loss: 0.5384 - accuracy: 0.8854 - val_loss: 0.5752 - val_accuracy: 0.8712
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.6539 - accuracy: 0.8906
78/750 [==>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8840
156/750 [====>.....] - ETA: 0s - loss: 0.5392 - accuracy:

0.8853 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy:
234/750 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
311/750 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.5417 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5379 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5383 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.5385 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.8861 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.8860 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5378 - accuracy:
0.8861 - val_loss: 0.5756 - val_accuracy: 0.8705
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.4847 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5402 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.5355 - accuracy:
0.8841 [==>.....] - ETA: 0s - loss: 0.5361 - accuracy:
156/750 [====>.....] - ETA: 0s - loss: 0.5399 - accuracy:
0.8897 [====>.....] - ETA: 0s - loss: 0.5385 - accuracy:
233/750 [====>.....] - ETA: 0s - loss: 0.5380 - accuracy:
0.8895 [====>.....] - ETA: 0s - loss: 0.5401 - accuracy:
308/750 [====>.....] - ETA: 0s - loss: 0.5377 - accuracy:
0.8869 [====>.....] - ETA: 0s - loss: 0.5367 - accuracy:
386/750 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8865 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
464/750 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8861 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
538/750 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8850 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
617/750 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8858 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
696/750 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8860 [====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
750/750 [====>.....] - 1s 796us/step - loss: 0.5372 - accuracy:
0.8857 - val_loss: 0.5736 - val_accuracy: 0.8717
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.8390 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5286 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8888 [==>.....] - ETA: 0s - loss: 0.5311 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5311 - accuracy:
0.8891 [====>.....] - ETA: 0s - loss: 0.5311 - accuracy:
224/750 [====>.....] - ETA: 0s - loss: 0.5311 - accuracy:

0.8891 [=====>.....] - ETA: 0s - loss: 0.5309 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5355 - accuracy:
377/750 [=====>.....] - ETA: 0s - loss: 0.5352 - accuracy:
0.8880 [=====>.....] - ETA: 0s - loss: 0.5356 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8870 [=====>.....] - 1s 812us/step - loss: 0.5361 - accuracy:
530/750 [=====>.....] - val_loss: 0.5739 - val_accuracy: 0.8700
0.8865 [=====>.....] -
608/750 [=====>.....] -
0.8864 [=====>.....] -
683/750 [=====>.....] -
0.8857 [=====>.....] -
750/750 [=====>.....] -
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.4864 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5283 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5203 - accuracy:
0.8913 [==>.....] - ETA: 0s - loss: 0.5296 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.8924 [===>.....] - ETA: 0s - loss: 0.5288 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8880 [=====>.....] - ETA: 0s - loss: 0.5351 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5367 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5363 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.5355 - accuracy:
0.8882 [=====>.....] -
444/750 [=====>.....] - 1s 830us/step - loss: 0.5356 - accuracy:
0.8878 [=====>.....] - val_loss: 0.5719 - val_accuracy: 0.8727
519/750 [=====>.....] -
0.8869 [=====>.....] -
596/750 [=====>.....] -
0.8866 [=====>.....] -
666/750 [=====>.....] -
0.8865 [=====>.....] -
742/750 [=====>.....] -
0.8864 [=====>.....] -
750/750 [=====>.....] -
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.5041 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5226 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5373 - accuracy:
0.8881 [==>.....] - ETA: 0s - loss: 0.5369 - accuracy:
149/750 [===>.....] -
0.8851 [===>.....] -
226/750 [=====>.....] -

0.8838 [=====>.....] - ETA: 0s - loss: 0.5335 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5335 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
453/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5362 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.5362 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.5358 - accuracy:
685/750 [=====>...] - ETA: 0s - loss: 0.5358 - accuracy:
0.8861 [=====] - 1s 816us/step - loss: 0.5348 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.5348 - accuracy:
0.8866 - val_loss: 0.5716 - val_accuracy: 0.8720
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.5104 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.5400 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5400 - accuracy:
0.8767 [==>.....] - ETA: 0s - loss: 0.5342 - accuracy:
149/750 [==>.....] - ETA: 0s - loss: 0.5342 - accuracy:
0.8831 [==>.....] - ETA: 0s - loss: 0.5300 - accuracy:
225/750 [==>.....] - ETA: 0s - loss: 0.5300 - accuracy:
0.8870 [==>.....] - ETA: 0s - loss: 0.5363 - accuracy:
304/750 [==>.....] - ETA: 0s - loss: 0.5363 - accuracy:
0.8861 [==>.....] - ETA: 0s - loss: 0.5351 - accuracy:
380/750 [==>.....] - ETA: 0s - loss: 0.5351 - accuracy:
0.8866 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
454/750 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.8871 [==>.....] - ETA: 0s - loss: 0.5324 - accuracy:
532/750 [==>.....] - ETA: 0s - loss: 0.5324 - accuracy:
0.8869 [==>.....] - ETA: 0s - loss: 0.5339 - accuracy:
609/750 [==>.....] - ETA: 0s - loss: 0.5339 - accuracy:
0.8854 [==>.....] - ETA: 0s - loss: 0.5339 - accuracy:
685/750 [==>...] - ETA: 0s - loss: 0.5339 - accuracy:
0.8860 [==>] - 1s 802us/step - loss: 0.5343 - accuracy:
750/750 [==>] - 1s 802us/step - loss: 0.5343 - accuracy:
0.8856 - val_loss: 0.5719 - val_accuracy: 0.8731
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.6288 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.5479 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5479 - accuracy:
0.8860 [==>.....] - ETA: 0s - loss: 0.5384 - accuracy:
155/750 [==>.....] - ETA: 0s - loss: 0.5384 - accuracy:
0.8871 [==>.....] - ETA: 0s - loss: 0.5365 - accuracy:
233/750 [==>.....] - ETA: 0s - loss: 0.5365 - accuracy:
0.8867 [==>.....] - ETA: 0s - loss: 0.5369 - accuracy:
308/750 [==>.....] - ETA: 0s - loss: 0.5369 - accuracy:

0.8848 [=====>.....] - ETA: 0s - loss: 0.5359 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.5347 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.5349 - accuracy:
462/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8860 [=====>.....] - ETA: 0s - loss: 0.5340 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8867 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
694/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
750/750 [=====>.....] - 1s 797us/step - loss: 0.5336 - accuracy:
0.8868 - val_loss: 0.5712 - val_accuracy: 0.8726
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.5900 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5467 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5380 - accuracy:
0.8813 [==>.....] - ETA: 0s - loss: 0.5304 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5342 - accuracy:
0.8844 [====>.....] - ETA: 0s - loss: 0.5335 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy:
0.8863 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8867 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8861 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
604/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
680/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
750/750 [=====>.....] - 1s 812us/step - loss: 0.5326 - accuracy:
0.8866 - val_loss: 0.5724 - val_accuracy: 0.8727
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.5441 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5323 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.5281 - accuracy:
0.8861 [==>.....] - ETA: 0s - loss: 0.5291 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8888 [====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:

0.8885 [=====>.....] - ETA: 0s - loss: 0.5289 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5289 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5304 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5304 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.5313 - accuracy:
0.8866 [=====>...] - ETA: 0s - loss: 0.5313 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.5321 - accuracy:
0.8865 - val_loss: 0.5701 - val_accuracy: 0.8730
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.5161 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5161 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5394 - accuracy:
0.8833 [==>.....] - ETA: 0s - loss: 0.5394 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8857 [====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
458/750 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy:
0.8867 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.5315 - accuracy:
0.8864 [=====>...] - ETA: 0s - loss: 0.5315 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.5312 - accuracy:
0.8873 - val_loss: 0.5689 - val_accuracy: 0.8730
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.4926 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.4926 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5340 - accuracy:
0.8866 [==>.....] - ETA: 0s - loss: 0.5340 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8873 [====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5321 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5321 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.5330 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.5330 - accuracy:
457/750 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:

0.8869 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy:
0.8876 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
689/750 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.5309 - accuracy:
750/750 [=====] - 1s 806us/step - loss: 0.5309 - accuracy:
0.8870 - val_loss: 0.5690 - val_accuracy: 0.8730
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3813 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5469 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.5469 - accuracy:
0.8815 [==>.....] - ETA: 0s - loss: 0.5329 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5329 - accuracy:
0.8846 [====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
232/750 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8834 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy:
0.8858 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy:
385/750 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy:
0.8851 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
461/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8844 [=====>.....] - ETA: 0s - loss: 0.5332 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.5332 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.8865 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
692/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
750/750 [=====] - 1s 798us/step - loss: 0.5302 - accuracy:
0.8874 - val_loss: 0.5681 - val_accuracy: 0.8714
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.5604 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5348 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5348 - accuracy:
0.8871 [==>.....] - ETA: 0s - loss: 0.5320 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.5320 - accuracy:
0.8892 [====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy:
0.8881 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy:
381/750 [=====>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5314 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.5314 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:

0.8879 [=====>.....] - ETA: 0s - loss: 0.5291 - accuracy:
0.8884 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.5293 - accuracy:
0.8878 [=====>...] - ETA: 0s - loss: 0.5295 - accuracy:
749/750 [=====>.] - ETA: 0s - loss: 0.5295 - accuracy:
0.8879 [=====] - 1s 820us/step - loss: 0.5295 - accuracy:
750/750 [=====] - 1s 820us/step - loss: 0.5295 - accuracy:
0.8879 - val_loss: 0.5683 - val_accuracy: 0.8734
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.5576 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5573 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5573 - accuracy:
0.8770 [==>.....] - ETA: 0s - loss: 0.5434 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.8816 [====>.....] - ETA: 0s - loss: 0.5421 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5421 - accuracy:
0.8819 [=====>.....] - ETA: 0s - loss: 0.5353 - accuracy:
308/750 [=====>.....] - ETA: 0s - loss: 0.5353 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.5304 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.5304 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
685/750 [=====>...] - ETA: 0s - loss: 0.5279 - accuracy:
0.8875 [=====>...] - ETA: 0s - loss: 0.5288 - accuracy:
750/750 [=====] - 1s 814us/step - loss: 0.5288 - accuracy:
0.8875 - val_loss: 0.5691 - val_accuracy: 0.8719
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.5096 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5294 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5294 - accuracy:
0.8860 [==>.....] - ETA: 0s - loss: 0.5292 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5292 - accuracy:
0.8869 [====>.....] - ETA: 0s - loss: 0.5344 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.5344 - accuracy:
0.8843 [=====>.....] - ETA: 0s - loss: 0.5319 - accuracy:
304/750 [=====>.....] - ETA: 0s - loss: 0.5319 - accuracy:
0.8863 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5285 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5285 - accuracy:

0.8867 [=====>.....] - ETA: 0s - loss: 0.5278 - accuracy:
611/750 [=====>.....] - ETA: 0s - loss: 0.5278 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.5278 - accuracy:
687/750 [=====>...] - ETA: 0s - loss: 0.5291 - accuracy:
0.8870 [=====] - 1s 805us/step - loss: 0.5281 - accuracy:
750/750 [=====] - 1s 805us/step - loss: 0.5281 - accuracy:
0.8874 - val_loss: 0.5683 - val_accuracy: 0.8727
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.5023 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5293 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5293 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.5320 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.5320 - accuracy:
0.8840 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5303 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.5273 - accuracy:
306/750 [=====>.....] - ETA: 0s - loss: 0.5273 - accuracy:
0.8877 [=====>.....] - ETA: 0s - loss: 0.5277 - accuracy:
380/750 [=====>.....] - ETA: 0s - loss: 0.5277 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy:
456/750 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.5293 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.5293 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy:
0.8877 [=====>.....] - ETA: 0s - loss: 0.5284 - accuracy:
679/750 [=====>...] - ETA: 0s - loss: 0.5284 - accuracy:
0.8876 [=====] - 1s 816us/step - loss: 0.5276 - accuracy:
750/750 [=====] - 1s 816us/step - loss: 0.5276 - accuracy:
0.8878 - val_loss: 0.5665 - val_accuracy: 0.8733
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.7314 - accuracy:
0.8438 [=====>.....] - ETA: 0s - loss: 0.5297 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5297 - accuracy:
0.8880 [=====>.....] - ETA: 0s - loss: 0.5276 - accuracy:
155/750 [====>.....] - ETA: 0s - loss: 0.5276 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
230/750 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
382/750 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy:

0.8884 [=====>...] - ETA: 0s - loss: 0.5262 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.5262 - accuracy:
0.8879 [=====>...] - ETA: 0s - loss: 0.5262 - accuracy:
750/750 [=====>...] - 1s 808us/step - loss: 0.5266 - accuracy:
0.8881 - val_loss: 0.5662 - val_accuracy: 0.8722
Epoch 200/220

1/750 [=====>...] - ETA: 0s - loss: 0.6445 - accuracy:
0.8750 [=====>...] - ETA: 0s - loss: 0.5173 - accuracy:
73/750 [=====>...] - ETA: 0s - loss: 0.5173 - accuracy:
0.8983 [=====>...] - ETA: 0s - loss: 0.5252 - accuracy:
146/750 [=====>...] - ETA: 0s - loss: 0.5252 - accuracy:
0.8924 [=====>...] - ETA: 0s - loss: 0.5281 - accuracy:
224/750 [=====>...] - ETA: 0s - loss: 0.5281 - accuracy:
0.8908 [=====>...] - ETA: 0s - loss: 0.5262 - accuracy:
301/750 [=====>...] - ETA: 0s - loss: 0.5262 - accuracy:
0.8908 [=====>...] - ETA: 0s - loss: 0.5237 - accuracy:
378/750 [=====>...] - ETA: 0s - loss: 0.5237 - accuracy:
0.8904 [=====>...] - ETA: 0s - loss: 0.5259 - accuracy:
452/750 [=====>...] - ETA: 0s - loss: 0.5259 - accuracy:
0.8894 [=====>...] - ETA: 0s - loss: 0.5248 - accuracy:
530/750 [=====>...] - ETA: 0s - loss: 0.5248 - accuracy:
0.8892 [=====>...] - ETA: 0s - loss: 0.5263 - accuracy:
607/750 [=====>...] - ETA: 0s - loss: 0.5263 - accuracy:
0.8889 [=====>...] - ETA: 0s - loss: 0.5257 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.5257 - accuracy:
0.8890 [=====>...] - ETA: 0s - loss: 0.5262 - accuracy:
750/750 [=====>...] - 1s 816us/step - loss: 0.5262 - accuracy:
0.8886 - val_loss: 0.5661 - val_accuracy: 0.8730
Epoch 201/220

1/750 [=====>...] - ETA: 0s - loss: 0.6059 - accuracy:
0.8750 [=====>...] - ETA: 0s - loss: 0.5209 - accuracy:
74/750 [=====>...] - ETA: 0s - loss: 0.5209 - accuracy:
0.8889 [=====>...] - ETA: 0s - loss: 0.5220 - accuracy:
147/750 [=====>...] - ETA: 0s - loss: 0.5220 - accuracy:
0.8889 [=====>...] - ETA: 0s - loss: 0.5247 - accuracy:
221/750 [=====>...] - ETA: 0s - loss: 0.5247 - accuracy:
0.8886 [=====>...] - ETA: 0s - loss: 0.5269 - accuracy:
293/750 [=====>...] - ETA: 0s - loss: 0.5269 - accuracy:
0.8875 [=====>...] - ETA: 0s - loss: 0.5288 - accuracy:
367/750 [=====>...] - ETA: 0s - loss: 0.5288 - accuracy:
0.8865 [=====>...] - ETA: 0s - loss: 0.5301 - accuracy:
441/750 [=====>...] - ETA: 0s - loss: 0.5301 - accuracy:
0.8864 [=====>...] - ETA: 0s - loss: 0.5278 - accuracy:
516/750 [=====>...] - ETA: 0s - loss: 0.5278 - accuracy:
0.8871 [=====>...] - ETA: 0s - loss: 0.5265 - accuracy:
585/750 [=====>...] - ETA: 0s - loss: 0.5265 - accuracy:
0.8876 [=====>...] - ETA: 0s - loss: 0.5271 - accuracy:
662/750 [=====>...] - ETA: 0s - loss: 0.5271 - accuracy:

0.8881 [=====] - ETA: 0s - loss: 0.5269 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.5269 - accuracy:
0.8877 [=====] - ETA: 0s - loss: 0.5269 - accuracy:
750/750 [=====] - 1s 843us/step - loss: 0.5256 - accuracy:
0.8882 - val_loss: 0.5650 - val_accuracy: 0.8727
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.5306 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5306 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5096 - accuracy:
0.8952 [.....] - ETA: 0s - loss: 0.5096 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5094 - accuracy:
0.8947 [.....] - ETA: 0s - loss: 0.5094 - accuracy:
229/750 [=====>.....] - ETA: 0s - loss: 0.5102 - accuracy:
0.8945 [.....] - ETA: 0s - loss: 0.5102 - accuracy:
305/750 [=====>.....] - ETA: 0s - loss: 0.5137 - accuracy:
0.8925 [.....] - ETA: 0s - loss: 0.5137 - accuracy:
384/750 [=====>.....] - ETA: 0s - loss: 0.5167 - accuracy:
0.8922 [.....] - ETA: 0s - loss: 0.5167 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5206 - accuracy:
0.8901 [.....] - ETA: 0s - loss: 0.5206 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
0.8898 [.....] - ETA: 0s - loss: 0.5222 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy:
0.8895 [.....] - ETA: 0s - loss: 0.5234 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.5247 - accuracy:
0.8888 [.....] - ETA: 0s - loss: 0.5247 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.5248 - accuracy:
0.8880 - val_loss: 0.5661 - val_accuracy: 0.8743
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.5860 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5860 - accuracy:
80/750 [==>.....] - ETA: 0s - loss: 0.5232 - accuracy:
0.8865 [.....] - ETA: 0s - loss: 0.5232 - accuracy:
158/750 [====>.....] - ETA: 0s - loss: 0.5254 - accuracy:
0.8887 [.....] - ETA: 0s - loss: 0.5254 - accuracy:
236/750 [=====>.....] - ETA: 0s - loss: 0.5269 - accuracy:
0.8881 [.....] - ETA: 0s - loss: 0.5269 - accuracy:
310/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy:
0.8899 [.....] - ETA: 0s - loss: 0.5224 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5243 - accuracy:
0.8892 [.....] - ETA: 0s - loss: 0.5243 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy:
0.8888 [.....] - ETA: 0s - loss: 0.5255 - accuracy:
541/750 [=====>.....] - ETA: 0s - loss: 0.5257 - accuracy:
0.8887 [.....] - ETA: 0s - loss: 0.5257 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5257 - accuracy:
0.8882 [.....] - ETA: 0s - loss: 0.5257 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.5259 - accuracy:

0.8877
750/750 [=====] - 1s 800us/step - loss: 0.5241 - accuracy:
0.8884 - val_loss: 0.5674 - val_accuracy: 0.8711
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.4548 - accuracy:
0.9375
78/750 [==>.....] - ETA: 0s - loss: 0.5310 - accuracy:
0.8818
155/750 [=====>.....] - ETA: 0s - loss: 0.5244 - accuracy:
0.8869
234/750 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy:
0.8874
310/750 [======>.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.8867
388/750 [======>.....] - ETA: 0s - loss: 0.5241 - accuracy:
0.8879
465/750 [======>.....] - ETA: 0s - loss: 0.5242 - accuracy:
0.8877
538/750 [======>.....] - ETA: 0s - loss: 0.5233 - accuracy:
0.8883
614/750 [======>.....] - ETA: 0s - loss: 0.5238 - accuracy:
0.8879
692/750 [======>...] - ETA: 0s - loss: 0.5232 - accuracy:
0.8885
750/750 [=====] - 1s 806us/step - loss: 0.5232 - accuracy:
0.8889 - val_loss: 0.5641 - val_accuracy: 0.8725
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.6031 - accuracy:
0.8594
77/750 [==>.....] - ETA: 0s - loss: 0.5383 - accuracy:
0.8791
154/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy:
0.8833
231/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8845
308/750 [======>.....] - ETA: 0s - loss: 0.5292 - accuracy:
0.8850
385/750 [======>.....] - ETA: 0s - loss: 0.5263 - accuracy:
0.8863
459/750 [======>.....] - ETA: 0s - loss: 0.5253 - accuracy:
0.8871
537/750 [======>.....] - ETA: 0s - loss: 0.5262 - accuracy:
0.8868
615/750 [======>.....] - ETA: 0s - loss: 0.5260 - accuracy:
0.8869
692/750 [======>...] - ETA: 0s - loss: 0.5239 - accuracy:
0.8877
750/750 [=====] - 1s 800us/step - loss: 0.5226 - accuracy:

0.8884 - val_loss: 0.5626 - val_accuracy: 0.8736
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.5373 - accuracy:
0.8594
78/750 [==>.....] - ETA: 0s - loss: 0.5072 - accuracy:
0.8994
156/750 [=====>.....] - ETA: 0s - loss: 0.5208 - accuracy:
0.8920
231/750 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy:
0.8901
310/750 [======>.....] - ETA: 0s - loss: 0.5204 - accuracy:
0.8899
385/750 [======>.....] - ETA: 0s - loss: 0.5185 - accuracy:
0.8911
462/750 [======>.....] - ETA: 0s - loss: 0.5180 - accuracy:
0.8910
536/750 [======>.....] - ETA: 0s - loss: 0.5187 - accuracy:
0.8903
611/750 [======>.....] - ETA: 0s - loss: 0.5207 - accuracy:
0.8894
689/750 [======>...] - ETA: 0s - loss: 0.5219 - accuracy:
0.8890
750/750 [=====] - 1s 798us/step - loss: 0.5220 - accuracy:
0.8890 - val_loss: 0.5647 - val_accuracy: 0.8724
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.4449 - accuracy:
0.9219
77/750 [==>.....] - ETA: 0s - loss: 0.5147 - accuracy:
0.8916
152/750 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
0.8901
230/750 [=====>.....] - ETA: 0s - loss: 0.5265 - accuracy:
0.8893
306/750 [======>.....] - ETA: 0s - loss: 0.5273 - accuracy:
0.8887
383/750 [======>.....] - ETA: 0s - loss: 0.5238 - accuracy:
0.8895
461/750 [======>.....] - ETA: 0s - loss: 0.5220 - accuracy:
0.8902
536/750 [======>.....] - ETA: 0s - loss: 0.5215 - accuracy:
0.8897
614/750 [======>.....] - ETA: 0s - loss: 0.5224 - accuracy:
0.8894
690/750 [======>...] - ETA: 0s - loss: 0.5203 - accuracy:
0.8897
750/750 [=====] - 1s 804us/step - loss: 0.5214 - accuracy:
0.8891 - val_loss: 0.5618 - val_accuracy: 0.8753
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8438
79/750 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy: 0.8881
157/750 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.8906
230/750 [=====>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.8899
308/750 [======>.....] - ETA: 0s - loss: 0.5204 - accuracy: 0.8909
387/750 [======>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.8902
464/750 [======>.....] - ETA: 0s - loss: 0.5247 - accuracy: 0.8876
541/750 [======>.....] - ETA: 0s - loss: 0.5222 - accuracy: 0.8889
617/750 [======>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.8893
695/750 [======>...] - ETA: 0s - loss: 0.5205 - accuracy: 0.8894
750/750 [=====] - 1s 798us/step - loss: 0.5208 - accuracy: 0.8894 - val_loss: 0.5629 - val_accuracy: 0.8726
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.4706 - accuracy: 0.9219
78/750 [==>.....] - ETA: 0s - loss: 0.5117 - accuracy: 0.8920
154/750 [=====>.....] - ETA: 0s - loss: 0.5242 - accuracy: 0.8855
232/750 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy: 0.8867
310/750 [======>.....] - ETA: 0s - loss: 0.5227 - accuracy: 0.8871
386/750 [======>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.8880
464/750 [======>.....] - ETA: 0s - loss: 0.5194 - accuracy: 0.8885
543/750 [======>.....] - ETA: 0s - loss: 0.5193 - accuracy: 0.8892
618/750 [======>.....] - ETA: 0s - loss: 0.5209 - accuracy: 0.8882
695/750 [======>...] - ETA: 0s - loss: 0.5204 - accuracy: 0.8886
750/750 [=====] - 1s 797us/step - loss: 0.5202 - accuracy: 0.8889 - val_loss: 0.5610 - val_accuracy: 0.8737
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.3564 - accuracy:

0.9531 [.....] - ETA: 0s - loss: 0.5295 - accuracy: 0.8850
75/750 [==>.....] - ETA: 0s - loss: 0.5295 - accuracy: 0.8850
153/750 [====>.....] - ETA: 0s - loss: 0.5282 - accuracy: 0.8862
232/750 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy: 0.8891
309/750 [=====>.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.8887
386/750 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.8897
462/750 [=====>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.8892
539/750 [=====>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.8901
617/750 [=====>.....] - ETA: 0s - loss: 0.5203 - accuracy: 0.8898
693/750 [=====>...] - ETA: 0s - loss: 0.5190 - accuracy: 0.8900
750/750 [=====] - 1s 801us/step - loss: 0.5196 - accuracy: 0.8894 - val_loss: 0.5650 - val_accuracy: 0.8713
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.4113 - accuracy: 0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8878
156/750 [====>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.8842
232/750 [=====>.....] - ETA: 0s - loss: 0.5295 - accuracy: 0.8870
309/750 [=====>.....] - ETA: 0s - loss: 0.5247 - accuracy: 0.8892
386/750 [=====>.....] - ETA: 0s - loss: 0.5221 - accuracy: 0.8891
462/750 [=====>.....] - ETA: 0s - loss: 0.5188 - accuracy: 0.8902
539/750 [=====>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.8909
617/750 [=====>.....] - ETA: 0s - loss: 0.5163 - accuracy: 0.8911
695/750 [=====>...] - ETA: 0s - loss: 0.5182 - accuracy: 0.8903
750/750 [=====] - 1s 801us/step - loss: 0.5189 - accuracy: 0.8903 - val_loss: 0.5611 - val_accuracy: 0.8732
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.4869 - accuracy: 0.8750
79/750 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy:

0.8865 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5198 - accuracy:
228/750 [=====>.....] - ETA: 0s - loss: 0.5205 - accuracy:
0.8877 [=====>.....] - ETA: 0s - loss: 0.5195 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
0.8897 [=====>...] - ETA: 0s - loss: 0.5178 - accuracy:
689/750 [=====>...] - ETA: 0s - loss: 0.5184 - accuracy:
0.8902 [=====] - 1s 802us/step - loss: 0.5184 - accuracy:
0.8902 - val_loss: 0.5611 - val_accuracy: 0.8735
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.5715 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5088 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5147 - accuracy:
0.8859 [==>.....] - ETA: 0s - loss: 0.5096 - accuracy:
228/750 [==>.....] - ETA: 0s - loss: 0.5121 - accuracy:
0.8912 [==>.....] - ETA: 0s - loss: 0.5141 - accuracy:
379/750 [==>.....] - ETA: 0s - loss: 0.5163 - accuracy:
0.8899 [==>.....] - ETA: 0s - loss: 0.5181 - accuracy:
528/750 [==>.....] - ETA: 0s - loss: 0.5163 - accuracy:
0.8890 [==>.....] - ETA: 0s - loss: 0.5180 - accuracy:
683/750 [==>...] - ETA: 0s - loss: 0.5176 - accuracy:
0.8895 [==>...] - 1s 814us/step - loss: 0.5176 - accuracy:
0.8895 - val_loss: 0.5623 - val_accuracy: 0.8725
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.5627 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5084 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.5205 - accuracy:
155/750 [==>.....] - ETA: 0s - loss: 0.5205 - accuracy:

0.8904 [=====>.....] - ETA: 0s - loss: 0.5196 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5196 - accuracy:
0.8908 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy:
309/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.5246 - accuracy:
386/750 [=====>.....] - ETA: 0s - loss: 0.5246 - accuracy:
0.8873 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy:
463/750 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy:
0.8883 [=====>.....] - ETA: 0s - loss: 0.5220 - accuracy:
543/750 [=====>.....] - ETA: 0s - loss: 0.5220 - accuracy:
0.8878 [=====>.....] - ETA: 0s - loss: 0.5197 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.5197 - accuracy:
0.8888 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.5185 - accuracy:
0.8891 [=====>...] - ETA: 0s - loss: 0.5171 - accuracy:
750/750 [=====] - 1s 801us/step - loss: 0.5171 - accuracy:
0.8896 - val_loss: 0.5593 - val_accuracy: 0.8745
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.7327 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.5142 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.5142 - accuracy:
0.8869 [==>.....] - ETA: 0s - loss: 0.5192 - accuracy:
154/750 [====>.....] - ETA: 0s - loss: 0.5192 - accuracy:
0.8862 [====>.....] - ETA: 0s - loss: 0.5123 - accuracy:
231/750 [=====>.....] - ETA: 0s - loss: 0.5123 - accuracy:
0.8891 [=====>.....] - ETA: 0s - loss: 0.5122 - accuracy:
307/750 [=====>.....] - ETA: 0s - loss: 0.5122 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
383/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
0.8893 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
459/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5201 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.5201 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5188 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.5188 - accuracy:
0.8891 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy:
688/750 [=====>...] - ETA: 0s - loss: 0.5176 - accuracy:
0.8897 [=====>...] - ETA: 0s - loss: 0.5164 - accuracy:
750/750 [=====] - 1s 802us/step - loss: 0.5164 - accuracy:
0.8901 - val_loss: 0.5619 - val_accuracy: 0.8719
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.5012 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5333 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5333 - accuracy:
0.8824 [=>.....] - ETA: 0s - loss: 0.5253 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5253 - accuracy:
0.8866 [====>.....] - ETA: 0s - loss: 0.5177 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5177 - accuracy:

0.8895 [=====>.....] - ETA: 0s - loss: 0.5190 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.8880 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.8894 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.8889 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5159 - accuracy:
0.8897 [=====>.] - ETA: 0s - loss: 0.5159 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.5159 - accuracy:
0.8901 [=====] - 1s 824us/step - loss: 0.5156 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.5156 - accuracy:
0.8904 - val_loss: 0.5575 - val_accuracy: 0.8741
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.4401 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.4937 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5075 - accuracy:
0.8985 [====>.....] - ETA: 0s - loss: 0.5121 - accuracy:
152/750 [====>.....] - ETA: 0s - loss: 0.5123 - accuracy:
0.8961 [====>.....] - ETA: 0s - loss: 0.5134 - accuracy:
230/750 [====>.....] - ETA: 0s - loss: 0.5119 - accuracy:
0.8926 [====>.....] - ETA: 0s - loss: 0.5150 - accuracy:
308/750 [====>.....] - ETA: 0s - loss: 0.5125 - accuracy:
0.8926 [====>.....] - ETA: 0s - loss: 0.5139 - accuracy:
385/750 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
452/750 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
0.8911 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
528/750 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
0.8902 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
605/750 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
0.8913 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
680/750 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.5151 - accuracy:
750/750 [====>.....] - 1s 810us/step - loss: 0.5151 - accuracy:
0.8899 - val_loss: 0.5627 - val_accuracy: 0.8723
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.5748 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.5141 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5159 - accuracy:
0.8898 [====>.....] - ETA: 0s - loss: 0.5094 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5094 - accuracy:
0.8897 [====>.....] - ETA: 0s - loss: 0.5094 - accuracy:
231/750 [====>.....] - ETA: 0s - loss: 0.5094 - accuracy:

0.8922 [=====>.....] - ETA: 0s - loss: 0.5107 - accuracy: 0.8905
307/750 [=====>.....] - ETA: 0s - loss: 0.5110 - accuracy: 0.8909
384/750 [=====>.....] - ETA: 0s - loss: 0.5130 - accuracy: 0.8908
462/750 [=====>.....] - ETA: 0s - loss: 0.5137 - accuracy: 0.8906
538/750 [=====>.....] - ETA: 0s - loss: 0.5154 - accuracy: 0.8902
617/750 [=====>.....] - ETA: 0s - loss: 0.5135 - accuracy: 0.8910
695/750 [=====>...] - ETA: 0s - loss: 0.5146 - accuracy: 0.8905 - val_loss: 0.5583 - val_accuracy: 0.8742
750/750 [=====] - 1s 802us/step - loss: 0.5146 - accuracy: 0.8905 - val_loss: 0.5583 - val_accuracy: 0.8742
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.5153 - accuracy: 0.8906
80/750 [==>.....] - ETA: 0s - loss: 0.5050 - accuracy: 0.8963
156/750 [====>.....] - ETA: 0s - loss: 0.5124 - accuracy: 0.8937
233/750 [=====>.....] - ETA: 0s - loss: 0.5099 - accuracy: 0.8942
311/750 [=====>.....] - ETA: 0s - loss: 0.5124 - accuracy: 0.8927
389/750 [=====>.....] - ETA: 0s - loss: 0.5145 - accuracy: 0.8915
465/750 [=====>.....] - ETA: 0s - loss: 0.5142 - accuracy: 0.8919
542/750 [=====>.....] - ETA: 0s - loss: 0.5145 - accuracy: 0.8913
618/750 [=====>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.8912
695/750 [=====>...] - ETA: 0s - loss: 0.5148 - accuracy: 0.8912
750/750 [=====] - 1s 796us/step - loss: 0.5139 - accuracy: 0.8912 - val_loss: 0.5581 - val_accuracy: 0.8749
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.4424 - accuracy: 0.9062
78/750 [==>.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.8964
155/750 [====>.....] - ETA: 0s - loss: 0.5069 - accuracy: 0.8933
234/750 [=====>.....] - ETA: 0s - loss: 0.5149 - accuracy: 0.8906
311/750 [=====>.....] - ETA: 0s - loss: 0.5139 - accuracy: 0.8906

```

0.8908 [=====>.....] - ETA: 0s - loss: 0.5110 - accuracy:
0.8916 [=====>.....] - ETA: 0s - loss: 0.5112 - accuracy:
466/750 [=====>.....] - ETA: 0s - loss: 0.5126 - accuracy:
0.8918 [=====>.....] - ETA: 0s - loss: 0.5126 - accuracy:
543/750 [=====>.....] - ETA: 0s - loss: 0.5126 - accuracy:
0.8917 [=====>.....] - ETA: 0s - loss: 0.5116 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.5116 - accuracy:
0.8919 [=====>.....] - ETA: 0s - loss: 0.5116 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.5116 - accuracy:
0.8916 [=====>...] - ETA: 0s - loss: 0.5116 - accuracy:
750/750 [=====] - 1s 797us/step - loss: 0.5132 - accuracy:
0.8908 - val_loss: 0.5565 - val_accuracy: 0.8753

```

```

1/313 [.....] - ETA: 3s - loss: 0.5328 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5912 - accuracy:
110/313 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.8634 [=====>.....] - ETA: 0s - loss: 0.5948 - accuracy:
215/313 [=====>.....] - ETA: 0s - loss: 0.5948 - accuracy:
0.8635 [=====>.....] - ETA: 0s - loss: 0.5825 - accuracy:
311/313 [=====>.] - ETA: 0s - loss: 0.5825 - accuracy:
0.8661 [=====>.] - ETA: 0s - loss: 0.5826 - accuracy:
313/313 [=====] - 0s 489us/step - loss: 0.5826 - accuracy:
0.8658
Testing loss: 0.5826166868209839
Testing accuracy: 86.58000230789185%

```

Running for Model 9/12

Model: "sequential_9"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 40)	31400
hidden1 (Dense)	(None, 40)	1640
hidden2 (Dense)	(None, 40)	1640
hidden3 (Dense)	(None, 40)	1640
hidden4 (Dense)	(None, 40)	1640
output_layer (Dense)	(None, 10)	410

```

Total params: 38,370
Trainable params: 38,370
Non-trainable params: 0

```

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 40, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 40, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 40, 'activation_function': 'relu'}, {'name': 'hidden3', 'size': 40, 'activation_function': 'relu'}, {'name': 'hidden4', 'size': 40, 'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10, 'activation_function': 'softmax'}]
Epoch 1/220

1/750 [.....] - ETA: 2:08 - loss: 2.5505 - accuracy: 0.1406
80/750 [==>.....] - ETA: 0s - loss: 2.5552 - accuracy: 0.0996
165/750 [=====>.....] - ETA: 0s - loss: 2.5509 - accuracy: 0.1068
250/750 [=====>.....] - ETA: 0s - loss: 2.5476 - accuracy: 0.1144
334/750 [======>.....] - ETA: 0s - loss: 2.5444 - accuracy: 0.1239
418/750 [======>.....] - ETA: 0s - loss: 2.5413 - accuracy: 0.1331
496/750 [======>.....] - ETA: 0s - loss: 2.5381 - accuracy: 0.1433
583/750 [======>.....] - ETA: 0s - loss: 2.5346 - accuracy: 0.1528
671/750 [======>....] - ETA: 0s - loss: 2.5308 - accuracy: 0.1638
750/750 [=====] - 1s 840us/step - loss: 2.5275 - accuracy: 0.1725 - val_loss: 2.4939 - val_accuracy: 0.2507
Epoch 2/220

1/750 [.....] - ETA: 0s - loss: 2.4875 - accuracy: 0.2344
82/750 [==>.....] - ETA: 0s - loss: 2.4908 - accuracy: 0.2618
161/750 [=====>.....] - ETA: 0s - loss: 2.4839 - accuracy: 0.2687
244/750 [=====>.....] - ETA: 0s - loss: 2.4790 - accuracy: 0.2693
323/750 [======>.....] - ETA: 0s - loss: 2.4737 - accuracy: 0.2693
414/750 [======>.....] - ETA: 0s - loss: 2.4683 - accuracy: 0.2710
505/750 [======>.....] - ETA: 0s - loss: 2.4622 - accuracy: 0.2701
592/750 [======>.....] - ETA: 0s - loss: 2.4562 - accuracy: 0.2694
681/750 [======>....] - ETA: 0s - loss: 2.4497 - accuracy:

0.2702
750/750 [=====] - 1s 718us/step - loss: 2.4444 - accuracy:
0.2718 - val_loss: 2.3808 - val_accuracy: 0.2832
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.3145 - accuracy:
0.3438
88/750 [==>.....] - ETA: 0s - loss: 2.3716 - accuracy:
0.2900
175/750 [=====>.....] - ETA: 0s - loss: 2.3646 - accuracy:
0.2850
263/750 [=====>.....] - ETA: 0s - loss: 2.3545 - accuracy:
0.2872
350/750 [=====>.....] - ETA: 0s - loss: 2.3448 - accuracy:
0.2892
434/750 [=====>.....] - ETA: 0s - loss: 2.3358 - accuracy:
0.2931
525/750 [=====>.....] - ETA: 0s - loss: 2.3252 - accuracy:
0.2979
612/750 [=====>.....] - ETA: 0s - loss: 2.3143 - accuracy:
0.3017
699/750 [=====>...] - ETA: 0s - loss: 2.3034 - accuracy:
0.3037
750/750 [=====] - 1s 705us/step - loss: 2.2971 - accuracy:
0.3052 - val_loss: 2.1999 - val_accuracy: 0.3267
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 2.1752 - accuracy:
0.3125
92/750 [==>.....] - ETA: 0s - loss: 2.1878 - accuracy:
0.3342
180/750 [=====>.....] - ETA: 0s - loss: 2.1742 - accuracy:
0.3319
270/750 [=====>.....] - ETA: 0s - loss: 2.1616 - accuracy:
0.3312
359/750 [=====>.....] - ETA: 0s - loss: 2.1532 - accuracy:
0.3313
448/750 [=====>.....] - ETA: 0s - loss: 2.1392 - accuracy:
0.3352
535/750 [=====>.....] - ETA: 0s - loss: 2.1235 - accuracy:
0.3387
624/750 [=====>.....] - ETA: 0s - loss: 2.1110 - accuracy:
0.3411
713/750 [=====>..] - ETA: 0s - loss: 2.0961 - accuracy:
0.3453
750/750 [=====] - 1s 693us/step - loss: 2.0893 - accuracy:
0.3468 - val_loss: 1.9667 - val_accuracy: 0.3816
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 1.9194 - accuracy:

0.4531 [.....] - ETA: 0s - loss: 1.9581 - accuracy: 0.3815
91/750 [==>.....] - ETA: 0s - loss: 1.9416 - accuracy: 0.3860
174/750 [=====>.....] - ETA: 0s - loss: 1.9190 - accuracy: 0.3915
263/750 [=====>.....] - ETA: 0s - loss: 1.9037 - accuracy: 0.3953
352/750 [======>.....] - ETA: 0s - loss: 1.8864 - accuracy: 0.4004
438/750 [======>.....] - ETA: 0s - loss: 1.8722 - accuracy: 0.4057
527/750 [======>.....] - ETA: 0s - loss: 1.8546 - accuracy: 0.4117
616/750 [======>.....] - ETA: 0s - loss: 1.8405 - accuracy: 0.4164
702/750 [======>..] - ETA: 0s - loss: 1.8329 - accuracy: 0.4185
750/750 [=====] - 1s 700us/step - loss: 1.8329 - accuracy: 0.4185 - val_loss: 1.6973 - val_accuracy: 0.4604
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 1.6382 - accuracy: 0.4844
90/750 [==>.....] - ETA: 0s - loss: 1.6909 - accuracy: 0.4688
178/750 [=====>.....] - ETA: 0s - loss: 1.6547 - accuracy: 0.4856
266/750 [=====>.....] - ETA: 0s - loss: 1.6426 - accuracy: 0.4891
356/750 [======>.....] - ETA: 0s - loss: 1.6325 - accuracy: 0.4926
446/750 [======>.....] - ETA: 0s - loss: 1.6124 - accuracy: 0.5001
531/750 [======>.....] - ETA: 0s - loss: 1.5987 - accuracy: 0.5066
623/750 [======>.....] - ETA: 0s - loss: 1.5816 - accuracy: 0.5133
709/750 [======>..] - ETA: 0s - loss: 1.5688 - accuracy: 0.5186
750/750 [=====] - 1s 698us/step - loss: 1.5624 - accuracy: 0.5217 - val_loss: 1.4447 - val_accuracy: 0.5760
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 1.4300 - accuracy: 0.6406
89/750 [==>.....] - ETA: 0s - loss: 1.4252 - accuracy: 0.5927
176/750 [=====>.....] - ETA: 0s - loss: 1.4183 - accuracy: 0.5898
263/750 [=====>.....] - ETA: 0s - loss: 1.4031 - accuracy: 0.5898

0.5942 [=====>.....] - ETA: 0s - loss: 1.3927 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 1.3821 - accuracy:
0.5987 [=====>.....] - ETA: 0s - loss: 1.3717 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 1.3652 - accuracy:
0.6030 [=====>.....] - ETA: 0s - loss: 1.3540 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 1.3490 - accuracy:
0.6068 [=====>.....] - ETA: 0s - loss: 1.3490 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 1.3490 - accuracy:
0.6082 [=====>.....] - ETA: 0s - loss: 1.3490 - accuracy:
709/750 [=====>.....] - ETA: 0s - loss: 1.3490 - accuracy:
0.6122 [=====>.....] - ETA: 0s - loss: 1.3490 - accuracy:
750/750 [=====] - 1s 698us/step - loss: 1.3490 - accuracy:
0.6143 - val_loss: 1.2762 - val_accuracy: 0.6403
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 1.2567 - accuracy:
0.6875 [==>.....] - ETA: 0s - loss: 1.2512 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 1.2508 - accuracy:
0.6463 [==>.....] - ETA: 0s - loss: 1.2471 - accuracy:
178/750 [==>.....] - ETA: 0s - loss: 1.2421 - accuracy:
0.6473 [==>.....] - ETA: 0s - loss: 1.2361 - accuracy:
268/750 [==>.....] - ETA: 0s - loss: 1.2317 - accuracy:
0.6475 [==>.....] - ETA: 0s - loss: 1.2247 - accuracy:
356/750 [==>.....] - ETA: 0s - loss: 1.2194 - accuracy:
0.6519 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
445/750 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
0.6537 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
535/750 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
0.6556 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
622/750 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
0.6564 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
711/750 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
0.6572 [==>.....] - ETA: 0s - loss: 1.2162 - accuracy:
750/750 [==>.....] - 1s 696us/step - loss: 1.2162 - accuracy:
0.6576 - val_loss: 1.1719 - val_accuracy: 0.6752
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 1.1637 - accuracy:
0.6094 [==>.....] - ETA: 0s - loss: 1.1565 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 1.1591 - accuracy:
0.6776 [==>.....] - ETA: 0s - loss: 1.1550 - accuracy:
172/750 [==>.....] - ETA: 0s - loss: 1.1497 - accuracy:
0.6781 [==>.....] - ETA: 0s - loss: 1.1427 - accuracy:
261/750 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:
0.6785 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:
350/750 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:
0.6783 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:
437/750 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:
0.6833 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:
524/750 [==>.....] - ETA: 0s - loss: 1.1377 - accuracy:

0.6860 [=====>.....] - ETA: 0s - loss: 1.1351 - accuracy:
0.6870 [=====>.....] - ETA: 0s - loss: 1.1323 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 1.1304 - accuracy:
0.6875 [=====] - 1s 706us/step - loss: 1.1304 - accuracy:
0.6884 - val_loss: 1.1000 - val_accuracy: 0.6990
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 1.1364 - accuracy:
0.7188 [==>.....] - ETA: 0s - loss: 1.1028 - accuracy:
92/750 [==>.....] - ETA: 0s - loss: 1.0915 - accuracy:
0.6928 [=====>.....] - ETA: 0s - loss: 1.0875 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 1.0834 - accuracy:
0.6974 [=====>.....] - ETA: 0s - loss: 1.0799 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 1.0776 - accuracy:
0.6981 [=====>.....] - ETA: 0s - loss: 1.0736 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 1.0706 - accuracy:
0.7028 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
0.7047 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
0.7063 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
0.7079 [=====>.....] - ETA: 0s - loss: 1.0699 - accuracy:
705/750 [=====>..] - ETA: 0s - loss: 1.0699 - accuracy:
0.7097 [=====] - 1s 708us/step - loss: 1.0699 - accuracy:
0.7099 - val_loss: 1.0500 - val_accuracy: 0.7138
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 1.2147 - accuracy:
0.6875 [==>.....] - ETA: 0s - loss: 1.0546 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 1.0520 - accuracy:
0.7098 [=====>.....] - ETA: 0s - loss: 1.0382 - accuracy:
172/750 [=====>.....] - ETA: 0s - loss: 1.0336 - accuracy:
0.7123 [=====>.....] - ETA: 0s - loss: 1.0331 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 1.0343 - accuracy:
0.7164 [=====>.....] - ETA: 0s - loss: 1.0318 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 1.0268 - accuracy:
0.7196 [=====>.....] - ETA: 0s - loss: 1.0263 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 1.0263 - accuracy:
0.7193 [=====>.....] - ETA: 0s - loss: 1.0263 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 1.0263 - accuracy:
0.7194 [=====>.....] - ETA: 0s - loss: 1.0263 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 1.0263 - accuracy:
0.7218 [=====>..] - ETA: 0s - loss: 1.0263 - accuracy:
702/750 [=====] - 1s 706us/step - loss: 1.0263 - accuracy:
0.7241 [=====] - 1s 706us/step - loss: 1.0263 - accuracy:
750/750 [=====] - 1s 706us/step - loss: 1.0263 - accuracy:

0.7245 - val_loss: 1.0115 - val_accuracy: 0.7268
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 0.9225 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.9952 - accuracy: 0.7429
174/750 [=====>.....] - ETA: 0s - loss: 1.0037 - accuracy: 0.7351
257/750 [=====>.....] - ETA: 0s - loss: 1.0000 - accuracy: 0.7366
341/750 [======>.....] - ETA: 0s - loss: 1.0009 - accuracy: 0.7353
427/750 [======>.....] - ETA: 0s - loss: 0.9953 - accuracy: 0.7359
515/750 [======>.....] - ETA: 0s - loss: 0.9937 - accuracy: 0.7361
606/750 [======>.....] - ETA: 0s - loss: 0.9951 - accuracy: 0.7348
691/750 [======>...] - ETA: 0s - loss: 0.9946 - accuracy: 0.7352
750/750 [=====] - 1s 714us/step - loss: 0.9934 - accuracy: 0.7355 - val_loss: 0.9832 - val_accuracy: 0.7352
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 0.9320 - accuracy: 0.7969
90/750 [==>.....] - ETA: 0s - loss: 0.9685 - accuracy: 0.7349
179/750 [=====>.....] - ETA: 0s - loss: 0.9724 - accuracy: 0.7365
265/750 [=====>.....] - ETA: 0s - loss: 0.9727 - accuracy: 0.7388
355/750 [======>.....] - ETA: 0s - loss: 0.9689 - accuracy: 0.7417
441/750 [======>.....] - ETA: 0s - loss: 0.9713 - accuracy: 0.7406
528/750 [======>.....] - ETA: 0s - loss: 0.9710 - accuracy: 0.7401
618/750 [======>.....] - ETA: 0s - loss: 0.9707 - accuracy: 0.7403
707/750 [======>..] - ETA: 0s - loss: 0.9686 - accuracy: 0.7416
750/750 [=====] - 1s 697us/step - loss: 0.9678 - accuracy: 0.7423 - val_loss: 0.9606 - val_accuracy: 0.7400
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 1.0869 - accuracy: 0.7188
87/750 [==>.....] - ETA: 0s - loss: 0.9696 - accuracy:

0.7390
175/750 [=====>.....] - ETA: 0s - loss: 0.9602 - accuracy: 0.7415
265/750 [=====>.....] - ETA: 0s - loss: 0.9570 - accuracy: 0.7422
354/750 [=====>.....] - ETA: 0s - loss: 0.9503 - accuracy: 0.7462
443/750 [=====>.....] - ETA: 0s - loss: 0.9507 - accuracy: 0.7463
532/750 [=====>.....] - ETA: 0s - loss: 0.9480 - accuracy: 0.7474
621/750 [=====>.....] - ETA: 0s - loss: 0.9490 - accuracy: 0.7475
711/750 [=====>..] - ETA: 0s - loss: 0.9481 - accuracy: 0.7485
750/750 [=====>.....] - 1s 701us/step - loss: 0.9471 - accuracy: 0.7487 - val_loss: 0.9414 - val_accuracy: 0.7452
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.8390 - accuracy: 0.7969
91/750 [==>.....] - ETA: 0s - loss: 0.9304 - accuracy: 0.7533
179/750 [=====>.....] - ETA: 0s - loss: 0.9292 - accuracy: 0.7552
267/750 [=====>.....] - ETA: 0s - loss: 0.9299 - accuracy: 0.7546
355/750 [=====>.....] - ETA: 0s - loss: 0.9276 - accuracy: 0.7556
444/750 [=====>.....] - ETA: 0s - loss: 0.9278 - accuracy: 0.7557
532/750 [=====>.....] - ETA: 0s - loss: 0.9272 - accuracy: 0.7548
617/750 [=====>.....] - ETA: 0s - loss: 0.9279 - accuracy: 0.7548
706/750 [=====>..] - ETA: 0s - loss: 0.9271 - accuracy: 0.7550
750/750 [=====>.....] - 1s 698us/step - loss: 0.9290 - accuracy: 0.7537 - val_loss: 0.9260 - val_accuracy: 0.7509
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 1.1784 - accuracy: 0.7188
90/750 [==>.....] - ETA: 0s - loss: 0.9247 - accuracy: 0.7587
178/750 [=====>.....] - ETA: 0s - loss: 0.9262 - accuracy: 0.7569
267/750 [=====>.....] - ETA: 0s - loss: 0.9188 - accuracy: 0.7579
357/750 [=====>.....] - ETA: 0s - loss: 0.9176 - accuracy:

0.7592
446/750 [=====>.....] - ETA: 0s - loss: 0.9159 - accuracy:
0.7610
530/750 [=====>.....] - ETA: 0s - loss: 0.9120 - accuracy:
0.7628
618/750 [=====>.....] - ETA: 0s - loss: 0.9134 - accuracy:
0.7617
704/750 [=====>..] - ETA: 0s - loss: 0.9132 - accuracy:
0.7609
750/750 [=====] - 1s 702us/step - loss: 0.9131 - accuracy:
0.7612 - val_loss: 0.9107 - val_accuracy: 0.7599
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.8670 - accuracy:
0.7656
87/750 [==>.....] - ETA: 0s - loss: 0.9180 - accuracy:
0.7547
174/750 [====>.....] - ETA: 0s - loss: 0.9096 - accuracy:
0.7643
260/750 [=====>.....] - ETA: 0s - loss: 0.9035 - accuracy:
0.7648
349/750 [=====>.....] - ETA: 0s - loss: 0.9051 - accuracy:
0.7645
431/750 [=====>.....] - ETA: 0s - loss: 0.9018 - accuracy:
0.7661
518/750 [=====>.....] - ETA: 0s - loss: 0.9011 - accuracy:
0.7665
604/750 [=====>.....] - ETA: 0s - loss: 0.9015 - accuracy:
0.7657
689/750 [=====>...] - ETA: 0s - loss: 0.8991 - accuracy:
0.7671
750/750 [=====] - 1s 717us/step - loss: 0.8984 - accuracy:
0.7674 - val_loss: 0.8961 - val_accuracy: 0.7651
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.7876 - accuracy:
0.7812
88/750 [==>.....] - ETA: 0s - loss: 0.8602 - accuracy:
0.7839
173/750 [====>.....] - ETA: 0s - loss: 0.8737 - accuracy:
0.7746
260/750 [=====>.....] - ETA: 0s - loss: 0.8851 - accuracy:
0.7704
350/750 [=====>.....] - ETA: 0s - loss: 0.8898 - accuracy:
0.7687
436/750 [=====>.....] - ETA: 0s - loss: 0.8903 - accuracy:
0.7698
523/750 [=====>.....] - ETA: 0s - loss: 0.8887 - accuracy:
0.7706
606/750 [=====>.....] - ETA: 0s - loss: 0.8857 - accuracy:

0.7719 [=====] - ETA: 0s - loss: 0.8853 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.8853 - accuracy:
0.7718 [=====] - ETA: 0s - loss: 0.8853 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.8850 - accuracy:
0.7715 - val_loss: 0.8834 - val_accuracy: 0.7701
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.9573 - accuracy:
0.6562 [.....] - ETA: 0s - loss: 0.9573 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.8831 - accuracy:
0.7748 [==>.....] - ETA: 0s - loss: 0.8831 - accuracy:
174/750 [====>.....] - ETA: 0s - loss: 0.8778 - accuracy:
0.7775 [====>.....] - ETA: 0s - loss: 0.8778 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.8779 - accuracy:
0.7763 [=====>.....] - ETA: 0s - loss: 0.8779 - accuracy:
343/750 [=====>.....] - ETA: 0s - loss: 0.8748 - accuracy:
0.7769 [=====>.....] - ETA: 0s - loss: 0.8748 - accuracy:
423/750 [=====>.....] - ETA: 0s - loss: 0.8769 - accuracy:
0.7764 [=====>.....] - ETA: 0s - loss: 0.8769 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
0.7760 [=====>.....] - ETA: 0s - loss: 0.8757 - accuracy:
599/750 [=====>.....] - ETA: 0s - loss: 0.8747 - accuracy:
0.7757 [=====>.....] - ETA: 0s - loss: 0.8747 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.8732 - accuracy:
0.7762 [=====>...] - ETA: 0s - loss: 0.8732 - accuracy:
750/750 [=====] - 1s 722us/step - loss: 0.8725 - accuracy:
0.7765 - val_loss: 0.8710 - val_accuracy: 0.7750
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.8139 - accuracy:
0.7812 [.....] - ETA: 0s - loss: 0.8139 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.8567 - accuracy:
0.7835 [==>.....] - ETA: 0s - loss: 0.8567 - accuracy:
179/750 [====>.....] - ETA: 0s - loss: 0.8599 - accuracy:
0.7824 [====>.....] - ETA: 0s - loss: 0.8599 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.8598 - accuracy:
0.7829 [=====>.....] - ETA: 0s - loss: 0.8598 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.8628 - accuracy:
0.7819 [=====>.....] - ETA: 0s - loss: 0.8628 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.8616 - accuracy:
0.7815 [=====>.....] - ETA: 0s - loss: 0.8616 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.8642 - accuracy:
0.7813 [=====>.....] - ETA: 0s - loss: 0.8642 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.8635 - accuracy:
0.7816 [=====>.....] - ETA: 0s - loss: 0.8635 - accuracy:
695/750 [=====>...] - ETA: 0s - loss: 0.8622 - accuracy:
0.7815 [=====>...] - ETA: 0s - loss: 0.8622 - accuracy:
750/750 [=====] - 1s 712us/step - loss: 0.8612 - accuracy:
0.7817 - val_loss: 0.8600 - val_accuracy: 0.7793
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.8657 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.8566 - accuracy: 0.7795
175/750 [=====>.....] - ETA: 0s - loss: 0.8588 - accuracy: 0.7821
257/750 [=====>.....] - ETA: 0s - loss: 0.8567 - accuracy: 0.7821
344/750 [======>.....] - ETA: 0s - loss: 0.8507 - accuracy: 0.7839
431/750 [======>.....] - ETA: 0s - loss: 0.8549 - accuracy: 0.7832
519/750 [======>.....] - ETA: 0s - loss: 0.8513 - accuracy: 0.7850
610/750 [======>.....] - ETA: 0s - loss: 0.8497 - accuracy: 0.7857
699/750 [======>...] - ETA: 0s - loss: 0.8504 - accuracy: 0.7859
750/750 [=====] - 1s 702us/step - loss: 0.8505 - accuracy: 0.7854 - val_loss: 0.8503 - val_accuracy: 0.7852
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.8084 - accuracy: 0.7812
88/750 [==>.....] - ETA: 0s - loss: 0.8335 - accuracy: 0.7921
178/750 [=====>.....] - ETA: 0s - loss: 0.8384 - accuracy: 0.7894
270/750 [=====>.....] - ETA: 0s - loss: 0.8369 - accuracy: 0.7897
356/750 [=====>.....] - ETA: 0s - loss: 0.8380 - accuracy: 0.7906
445/750 [======>.....] - ETA: 0s - loss: 0.8368 - accuracy: 0.7910
533/750 [======>.....] - ETA: 0s - loss: 0.8369 - accuracy: 0.7907
623/750 [======>.....] - ETA: 0s - loss: 0.8378 - accuracy: 0.7900
713/750 [======>..] - ETA: 0s - loss: 0.8408 - accuracy: 0.7890
750/750 [=====] - 1s 697us/step - loss: 0.8408 - accuracy: 0.7891 - val_loss: 0.8403 - val_accuracy: 0.7886
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.9616 - accuracy: 0.6875
90/750 [==>.....] - ETA: 0s - loss: 0.8412 - accuracy: 0.7884
179/750 [=====>.....] - ETA: 0s - loss: 0.8371 - accuracy:

0.7887 [=====>.....] - ETA: 0s - loss: 0.8327 - accuracy: 0.7905
356/750 [=====>.....] - ETA: 0s - loss: 0.8330 - accuracy: 0.7915
446/750 [=====>.....] - ETA: 0s - loss: 0.8335 - accuracy: 0.7925
537/750 [=====>.....] - ETA: 0s - loss: 0.8306 - accuracy: 0.7930
625/750 [=====>.....] - ETA: 0s - loss: 0.8307 - accuracy: 0.7929
713/750 [=====>..] - ETA: 0s - loss: 0.8320 - accuracy: 0.7927
750/750 [=====] - 1s 694us/step - loss: 0.8313 - accuracy: 0.7930 - val_loss: 0.8313 - val_accuracy: 0.7916
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.7434 - accuracy: 0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.8250 - accuracy: 0.7956
177/750 [=====>.....] - ETA: 0s - loss: 0.8223 - accuracy: 0.7961
264/750 [=====>.....] - ETA: 0s - loss: 0.8165 - accuracy: 0.7991
348/750 [=====>.....] - ETA: 0s - loss: 0.8253 - accuracy: 0.7962
434/750 [=====>.....] - ETA: 0s - loss: 0.8258 - accuracy: 0.7966
518/750 [=====>.....] - ETA: 0s - loss: 0.8212 - accuracy: 0.7973
607/750 [=====>.....] - ETA: 0s - loss: 0.8229 - accuracy: 0.7967
695/750 [=====>...] - ETA: 0s - loss: 0.8246 - accuracy: 0.7962
750/750 [=====] - 1s 710us/step - loss: 0.8229 - accuracy: 0.7969 - val_loss: 0.8235 - val_accuracy: 0.7932
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.9228 - accuracy: 0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.8226 - accuracy: 0.7990
174/750 [=====>.....] - ETA: 0s - loss: 0.8195 - accuracy: 0.7993
260/750 [=====>.....] - ETA: 0s - loss: 0.8184 - accuracy: 0.7978
350/750 [=====>.....] - ETA: 0s - loss: 0.8186 - accuracy: 0.7975
439/750 [=====>.....] - ETA: 0s - loss: 0.8207 - accuracy:

0.7969 [=====>.....] - ETA: 0s - loss: 0.8191 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.8173 - accuracy:
0.7974 [=====>.....] - ETA: 0s - loss: 0.8153 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.8149 - accuracy:
0.7991 [=====>.....] - ETA: 0s - loss: 0.8146 - accuracy:
697/750 [=====>.....] - ETA: 0s - loss: 0.8146 - accuracy:
0.7999 [=====>.....] - ETA: 0s - loss: 0.8146 - accuracy:
750/750 [=====] - 1s 706us/step - loss: 0.8149 - accuracy:
0.8003 - val_loss: 0.8146 - val_accuracy: 0.7990
Epoch 26/220

1/750 [=====>.....] - ETA: 0s - loss: 0.8024 - accuracy:
0.8125 [=====>.....] - ETA: 0s - loss: 0.8153 - accuracy:
87/750 [=====>.....] - ETA: 0s - loss: 0.8153 - accuracy:
0.7983 [=====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
0.8039 [=====>.....] - ETA: 0s - loss: 0.8088 - accuracy:
259/750 [=====>.....] - ETA: 0s - loss: 0.8088 - accuracy:
0.8021 [=====>.....] - ETA: 0s - loss: 0.8096 - accuracy:
343/750 [=====>.....] - ETA: 0s - loss: 0.8096 - accuracy:
0.8025 [=====>.....] - ETA: 0s - loss: 0.8083 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.8083 - accuracy:
0.8029 [=====>.....] - ETA: 0s - loss: 0.8098 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.8098 - accuracy:
0.8019 [=====>.....] - ETA: 0s - loss: 0.8084 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.8084 - accuracy:
0.8022 [=====>.....] - ETA: 0s - loss: 0.8078 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.8078 - accuracy:
0.8022 [=====>.....] - ETA: 0s - loss: 0.8073 - accuracy:
750/750 [=====] - 1s 714us/step - loss: 0.8073 - accuracy:
0.8025 - val_loss: 0.8083 - val_accuracy: 0.8019
Epoch 27/220

1/750 [=====>.....] - ETA: 0s - loss: 0.8174 - accuracy:
0.7500 [=====>.....] - ETA: 0s - loss: 0.8139 - accuracy:
82/750 [=====>.....] - ETA: 0s - loss: 0.8139 - accuracy:
0.8013 [=====>.....] - ETA: 0s - loss: 0.8203 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.8203 - accuracy:
0.7979 [=====>.....] - ETA: 0s - loss: 0.8094 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.8094 - accuracy:
0.8027 [=====>.....] - ETA: 0s - loss: 0.8057 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.8057 - accuracy:
0.8038 [=====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
0.8041 [=====>.....] - ETA: 0s - loss: 0.8017 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.8017 - accuracy:
0.8050 [=====>.....] - ETA: 0s - loss: 0.8019 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8049 [=====>.....] - ETA: 0s - loss: 0.8007 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.8007 - accuracy:

0.8060
750/750 [=====] - 1s 708us/step - loss: 0.8000 - accuracy:
0.8059 - val_loss: 0.8032 - val_accuracy: 0.8018
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.6769 - accuracy:
0.8281
87/750 [==>.....] - ETA: 0s - loss: 0.8088 - accuracy:
0.8032
171/750 [=====>.....] - ETA: 0s - loss: 0.8055 - accuracy:
0.8032
259/750 [=====>.....] - ETA: 0s - loss: 0.8001 - accuracy:
0.8060
346/750 [======>.....] - ETA: 0s - loss: 0.7972 - accuracy:
0.8080
433/750 [======>.....] - ETA: 0s - loss: 0.7974 - accuracy:
0.8078
521/750 [======>.....] - ETA: 0s - loss: 0.7950 - accuracy:
0.8094
607/750 [======>.....] - ETA: 0s - loss: 0.7949 - accuracy:
0.8086
695/750 [======>...] - ETA: 0s - loss: 0.7944 - accuracy:
0.8089
750/750 [=====] - 1s 716us/step - loss: 0.7935 - accuracy:
0.8087 - val_loss: 0.7949 - val_accuracy: 0.8077
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.5397 - accuracy:
0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.7759 - accuracy:
0.8168
180/750 [=====>.....] - ETA: 0s - loss: 0.7817 - accuracy:
0.8120
270/750 [=====>.....] - ETA: 0s - loss: 0.7866 - accuracy:
0.8083
356/750 [======>.....] - ETA: 0s - loss: 0.7890 - accuracy:
0.8080
444/750 [======>.....] - ETA: 0s - loss: 0.7895 - accuracy:
0.8081
535/750 [======>.....] - ETA: 0s - loss: 0.7886 - accuracy:
0.8091
624/750 [======>.....] - ETA: 0s - loss: 0.7889 - accuracy:
0.8096
713/750 [======>..] - ETA: 0s - loss: 0.7866 - accuracy:
0.8105
750/750 [=====] - 1s 694us/step - loss: 0.7872 - accuracy:
0.8102 - val_loss: 0.7906 - val_accuracy: 0.8107
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.8699 - accuracy:

0.7344 [.....] - ETA: 0s - loss: 0.7942 - accuracy: 0.8062
84/750 [==>.....] - ETA: 0s - loss: 0.7942 - accuracy: 0.8062
173/750 [====>.....] - ETA: 0s - loss: 0.7949 - accuracy: 0.8081
256/750 [=====>.....] - ETA: 0s - loss: 0.7885 - accuracy: 0.8094
347/750 [======>.....] - ETA: 0s - loss: 0.7861 - accuracy: 0.8108
430/750 [======>.....] - ETA: 0s - loss: 0.7873 - accuracy: 0.8102
518/750 [======>.....] - ETA: 0s - loss: 0.7844 - accuracy: 0.8114
606/750 [======>.....] - ETA: 0s - loss: 0.7825 - accuracy: 0.8123
690/750 [======>...] - ETA: 0s - loss: 0.7818 - accuracy: 0.8128
750/750 [=====] - 1s 716us/step - loss: 0.7813 - accuracy: 0.8131 - val_loss: 0.7842 - val_accuracy: 0.8117
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.6657 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.7814 - accuracy: 0.8099
173/750 [====>.....] - ETA: 0s - loss: 0.7747 - accuracy: 0.8121
260/750 [=====>.....] - ETA: 0s - loss: 0.7787 - accuracy: 0.8127
346/750 [======>.....] - ETA: 0s - loss: 0.7790 - accuracy: 0.8125
434/750 [======>.....] - ETA: 0s - loss: 0.7810 - accuracy: 0.8130
519/750 [======>.....] - ETA: 0s - loss: 0.7791 - accuracy: 0.8139
607/750 [======>.....] - ETA: 0s - loss: 0.7779 - accuracy: 0.8142
694/750 [======>...] - ETA: 0s - loss: 0.7771 - accuracy: 0.8145
750/750 [=====] - 1s 714us/step - loss: 0.7754 - accuracy: 0.8153 - val_loss: 0.7799 - val_accuracy: 0.8159
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.7071 - accuracy: 0.8125
85/750 [==>.....] - ETA: 0s - loss: 0.7649 - accuracy: 0.8189
173/750 [====>.....] - ETA: 0s - loss: 0.7714 - accuracy: 0.8180
261/750 [=====>.....] - ETA: 0s - loss: 0.7698 - accuracy: 0.8180

0.8163 [=====>.....] - ETA: 0s - loss: 0.7708 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.7708 - accuracy:
0.8167 [=====>.....] - ETA: 0s - loss: 0.7720 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.7720 - accuracy:
0.8164 [=====>.....] - ETA: 0s - loss: 0.7715 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.7715 - accuracy:
0.8165 [=====>.....] - ETA: 0s - loss: 0.7723 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.7723 - accuracy:
0.8162 [=====>.....] - ETA: 0s - loss: 0.7699 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.7699 - accuracy:
0.8174 [=====>...] - ETA: 0s - loss: 0.7703 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.7703 - accuracy:
0.8167 - val_loss: 0.7757 - val_accuracy: 0.8150
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.8355 - accuracy:
0.7500 [==>.....] - ETA: 0s - loss: 0.7636 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.7636 - accuracy:
0.8234 [==>.....] - ETA: 0s - loss: 0.7630 - accuracy:
175/750 [==>.....] - ETA: 0s - loss: 0.7630 - accuracy:
0.8212 [==>.....] - ETA: 0s - loss: 0.7620 - accuracy:
262/750 [==>.....] - ETA: 0s - loss: 0.7620 - accuracy:
0.8198 [==>.....] - ETA: 0s - loss: 0.7619 - accuracy:
350/750 [==>.....] - ETA: 0s - loss: 0.7619 - accuracy:
0.8215 [==>.....] - ETA: 0s - loss: 0.7618 - accuracy:
437/750 [==>.....] - ETA: 0s - loss: 0.7618 - accuracy:
0.8213 [==>.....] - ETA: 0s - loss: 0.7621 - accuracy:
525/750 [==>.....] - ETA: 0s - loss: 0.7621 - accuracy:
0.8217 [==>.....] - ETA: 0s - loss: 0.7650 - accuracy:
613/750 [==>.....] - ETA: 0s - loss: 0.7650 - accuracy:
0.8210 [==>.....] - ETA: 0s - loss: 0.7660 - accuracy:
697/750 [==>.....] - ETA: 0s - loss: 0.7660 - accuracy:
0.8196 [==>.....] - ETA: 0s - loss: 0.7655 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.7655 - accuracy:
0.8196 - val_loss: 0.7701 - val_accuracy: 0.8179
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.7332 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.7634 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.7634 - accuracy:
0.8166 [==>.....] - ETA: 0s - loss: 0.7592 - accuracy:
176/750 [==>.....] - ETA: 0s - loss: 0.7592 - accuracy:
0.8175 [==>.....] - ETA: 0s - loss: 0.7615 - accuracy:
261/750 [==>.....] - ETA: 0s - loss: 0.7615 - accuracy:
0.8186 [==>.....] - ETA: 0s - loss: 0.7622 - accuracy:
349/750 [==>.....] - ETA: 0s - loss: 0.7622 - accuracy:
0.8177 [==>.....] - ETA: 0s - loss: 0.7597 - accuracy:
436/750 [==>.....] - ETA: 0s - loss: 0.7597 - accuracy:
0.8193 [==>.....] - ETA: 0s - loss: 0.7630 - accuracy:
523/750 [==>.....] - ETA: 0s - loss: 0.7630 - accuracy:

0.8180 [=====>.....] - ETA: 0s - loss: 0.7615 - accuracy:
0.8193 [=====>.....] - ETA: 0s - loss: 0.7613 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.7613 - accuracy:
0.8197 [=====] - 1s 717us/step - loss: 0.7608 - accuracy:
0.8202 - val_loss: 0.7660 - val_accuracy: 0.8201
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.6168 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.7539 - accuracy:
0.8200 [=====>.....] - ETA: 0s - loss: 0.7597 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.7597 - accuracy:
0.8189 [=====>.....] - ETA: 0s - loss: 0.7542 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.7542 - accuracy:
0.8224 [=====>.....] - ETA: 0s - loss: 0.7581 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.7549 - accuracy:
0.8215 [=====>.....] - ETA: 0s - loss: 0.7549 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.7525 - accuracy:
0.8227 [=====>.....] - ETA: 0s - loss: 0.7525 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.7530 - accuracy:
0.8241 [=====>.....] - ETA: 0s - loss: 0.7530 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.7546 - accuracy:
0.8236 [=====>.....] - ETA: 0s - loss: 0.7546 - accuracy:
684/750 [=====>...] - ETA: 0s - loss: 0.7566 - accuracy:
0.8232 [=====] - 1s 717us/step - loss: 0.7566 - accuracy:
0.8221 - val_loss: 0.7613 - val_accuracy: 0.8198
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.8686 - accuracy:
0.7031 [==>.....] - ETA: 0s - loss: 0.7734 - accuracy:
83/750 [==>.....] - ETA: 0s - loss: 0.7646 - accuracy:
0.8181 [=====>.....] - ETA: 0s - loss: 0.7589 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.7589 - accuracy:
0.8199 [=====>.....] - ETA: 0s - loss: 0.7560 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy:
0.8198 [=====>.....] - ETA: 0s - loss: 0.7522 - accuracy:
342/750 [=====>.....] - ETA: 0s - loss: 0.7522 - accuracy:
0.8199 [=====>.....] - ETA: 0s - loss: 0.7524 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.7511 - accuracy:
0.8211 [=====>.....] - ETA: 0s - loss: 0.7511 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
0.8235 [=====>...] - ETA: 0s - loss: 0.7518 - accuracy:
604/750 [=====>...] - ETA: 0s - loss: 0.7518 - accuracy:
0.8238 [=====>...] - ETA: 0s - loss: 0.7518 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.7518 - accuracy:
0.8244 [=====] - 1s 713us/step - loss: 0.7518 - accuracy:

0.8239 - val_loss: 0.7576 - val_accuracy: 0.8223
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.7092 - accuracy:
0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.7520 - accuracy:
0.8247
172/750 [====>.....] - ETA: 0s - loss: 0.7538 - accuracy:
0.8240
261/750 [=====>.....] - ETA: 0s - loss: 0.7550 - accuracy:
0.8220
346/750 [======>.....] - ETA: 0s - loss: 0.7566 - accuracy:
0.8208
433/750 [======>.....] - ETA: 0s - loss: 0.7524 - accuracy:
0.8230
520/750 [======>.....] - ETA: 0s - loss: 0.7544 - accuracy:
0.8226
601/750 [======>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8242
688/750 [======>...] - ETA: 0s - loss: 0.7496 - accuracy:
0.8244
750/750 [=====] - 1s 716us/step - loss: 0.7477 - accuracy:
0.8253 - val_loss: 0.7529 - val_accuracy: 0.8248
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.5234 - accuracy:
0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.7481 - accuracy:
0.8265
171/750 [====>.....] - ETA: 0s - loss: 0.7424 - accuracy:
0.8278
253/750 [=====>.....] - ETA: 0s - loss: 0.7504 - accuracy:
0.8247
330/750 [======>.....] - ETA: 0s - loss: 0.7493 - accuracy:
0.8253
415/750 [======>.....] - ETA: 0s - loss: 0.7458 - accuracy:
0.8266
505/750 [======>.....] - ETA: 0s - loss: 0.7462 - accuracy:
0.8263
591/750 [======>.....] - ETA: 0s - loss: 0.7456 - accuracy:
0.8267
677/750 [======>...] - ETA: 0s - loss: 0.7427 - accuracy:
0.8281
750/750 [=====] - 1s 726us/step - loss: 0.7438 - accuracy:
0.8283 - val_loss: 0.7520 - val_accuracy: 0.8263
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.8056 - accuracy:
0.7812
88/750 [==>.....] - ETA: 0s - loss: 0.7475 - accuracy:

0.8235 [.....] - ETA: 0s - loss: 0.7432 - accuracy: 0.8277
175/750 [=====>.....] - ETA: 0s - loss: 0.7432 - accuracy: 0.8277
261/750 [======>.....] - ETA: 0s - loss: 0.7435 - accuracy: 0.8279
348/750 [======>.....] - ETA: 0s - loss: 0.7408 - accuracy: 0.8288
430/750 [======>.....] - ETA: 0s - loss: 0.7405 - accuracy: 0.8290
519/750 [======>.....] - ETA: 0s - loss: 0.7401 - accuracy: 0.8290
605/750 [======>.....] - ETA: 0s - loss: 0.7410 - accuracy: 0.8282
692/750 [======>...] - ETA: 0s - loss: 0.7404 - accuracy: 0.8287
750/750 [=====] - 1s 712us/step - loss: 0.7398 - accuracy: 0.8288 - val_loss: 0.7480 - val_accuracy: 0.8254
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.7969
90/750 [==>.....] - ETA: 0s - loss: 0.7457 - accuracy: 0.8304
169/750 [=====>.....] - ETA: 0s - loss: 0.7479 - accuracy: 0.8261
261/750 [======>.....] - ETA: 0s - loss: 0.7463 - accuracy: 0.8247
348/750 [======>.....] - ETA: 0s - loss: 0.7425 - accuracy: 0.8279
436/750 [======>.....] - ETA: 0s - loss: 0.7357 - accuracy: 0.8301
526/750 [======>.....] - ETA: 0s - loss: 0.7356 - accuracy: 0.8299
618/750 [======>.....] - ETA: 0s - loss: 0.7355 - accuracy: 0.8296
709/750 [======>..] - ETA: 0s - loss: 0.7360 - accuracy: 0.8300
750/750 [=====] - 1s 696us/step - loss: 0.7362 - accuracy: 0.8299 - val_loss: 0.7431 - val_accuracy: 0.8288
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.6943 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.7372 - accuracy: 0.8286
181/750 [=====>.....] - ETA: 0s - loss: 0.7370 - accuracy: 0.8263
268/750 [======>.....] - ETA: 0s - loss: 0.7343 - accuracy: 0.8292
355/750 [======>.....] - ETA: 0s - loss: 0.7333 - accuracy:

0.8290
443/750 [=====>.....] - ETA: 0s - loss: 0.7352 - accuracy:
0.8290
533/750 [=====>.....] - ETA: 0s - loss: 0.7314 - accuracy:
0.8315
624/750 [=====>.....] - ETA: 0s - loss: 0.7327 - accuracy:
0.8305
711/750 [=====>..] - ETA: 0s - loss: 0.7334 - accuracy:
0.8307
750/750 [=====] - 1s 698us/step - loss: 0.7325 - accuracy:
0.8310 - val_loss: 0.7396 - val_accuracy: 0.8290
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.7880 - accuracy:
0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.7457 - accuracy:
0.8253
178/750 [=====>.....] - ETA: 0s - loss: 0.7390 - accuracy:
0.8287
265/750 [=====>.....] - ETA: 0s - loss: 0.7342 - accuracy:
0.8290
355/750 [=====>.....] - ETA: 0s - loss: 0.7346 - accuracy:
0.8303
444/750 [=====>.....] - ETA: 0s - loss: 0.7356 - accuracy:
0.8291
529/750 [=====>.....] - ETA: 0s - loss: 0.7333 - accuracy:
0.8304
620/750 [=====>.....] - ETA: 0s - loss: 0.7320 - accuracy:
0.8310
708/750 [=====>..] - ETA: 0s - loss: 0.7311 - accuracy:
0.8314
750/750 [=====] - 1s 698us/step - loss: 0.7293 - accuracy:
0.8318 - val_loss: 0.7372 - val_accuracy: 0.8307
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.9928 - accuracy:
0.7188
91/750 [==>.....] - ETA: 0s - loss: 0.7179 - accuracy:
0.8338
180/750 [=====>.....] - ETA: 0s - loss: 0.7237 - accuracy:
0.8347
266/750 [=====>.....] - ETA: 0s - loss: 0.7244 - accuracy:
0.8335
356/750 [=====>.....] - ETA: 0s - loss: 0.7281 - accuracy:
0.8328
440/750 [=====>.....] - ETA: 0s - loss: 0.7271 - accuracy:
0.8319
531/750 [=====>.....] - ETA: 0s - loss: 0.7258 - accuracy:
0.8318
622/750 [=====>.....] - ETA: 0s - loss: 0.7273 - accuracy:

0.8323 [=====] - ETA: 0s - loss: 0.7270 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.7270 - accuracy:
0.8328 [=====] - ETA: 0s - loss: 0.7270 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.7260 - accuracy:
0.8336 - val_loss: 0.7330 - val_accuracy: 0.8325
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.7324 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.7324 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.7232 - accuracy:
0.8313 [.....] - ETA: 0s - loss: 0.7232 - accuracy:
182/750 [=====>.....] - ETA: 0s - loss: 0.7262 - accuracy:
0.8332 [.....] - ETA: 0s - loss: 0.7262 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.7311 - accuracy:
0.8298 [.....] - ETA: 0s - loss: 0.7311 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.7317 - accuracy:
0.8302 [.....] - ETA: 0s - loss: 0.7317 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.7279 - accuracy:
0.8316 [.....] - ETA: 0s - loss: 0.7279 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.7262 - accuracy:
0.8316 [.....] - ETA: 0s - loss: 0.7262 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.7244 - accuracy:
0.8329 [.....] - ETA: 0s - loss: 0.7244 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.7218 - accuracy:
0.8341 [.....] - ETA: 0s - loss: 0.7218 - accuracy:
750/750 [=====] - 1s 702us/step - loss: 0.7225 - accuracy:
0.8340 - val_loss: 0.7304 - val_accuracy: 0.8318
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.8220 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.8220 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.7169 - accuracy:
0.8339 [.....] - ETA: 0s - loss: 0.7169 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.7209 - accuracy:
0.8331 [.....] - ETA: 0s - loss: 0.7209 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.7187 - accuracy:
0.8338 [.....] - ETA: 0s - loss: 0.7187 - accuracy:
344/750 [=====>.....] - ETA: 0s - loss: 0.7215 - accuracy:
0.8323 [.....] - ETA: 0s - loss: 0.7215 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.7199 - accuracy:
0.8338 [.....] - ETA: 0s - loss: 0.7199 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.7156 - accuracy:
0.8362 [.....] - ETA: 0s - loss: 0.7156 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.7184 - accuracy:
0.8352 [.....] - ETA: 0s - loss: 0.7184 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.7179 - accuracy:
0.8355 [.....] - ETA: 0s - loss: 0.7179 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.7196 - accuracy:
0.8346 - val_loss: 0.7273 - val_accuracy: 0.8329
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.7148 - accuracy: 0.8414
177/750 [=====>.....] - ETA: 0s - loss: 0.7181 - accuracy: 0.8387
266/750 [=====>.....] - ETA: 0s - loss: 0.7208 - accuracy: 0.8363
355/750 [======>.....] - ETA: 0s - loss: 0.7201 - accuracy: 0.8356
446/750 [======>.....] - ETA: 0s - loss: 0.7148 - accuracy: 0.8379
535/750 [======>.....] - ETA: 0s - loss: 0.7130 - accuracy: 0.8372
624/750 [======>.....] - ETA: 0s - loss: 0.7165 - accuracy: 0.8366
715/750 [======>..] - ETA: 0s - loss: 0.7171 - accuracy: 0.8367
750/750 [=====] - 1s 698us/step - loss: 0.7165 - accuracy: 0.8368 - val_loss: 0.7267 - val_accuracy: 0.8336
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.7279 - accuracy: 0.8306
176/750 [=====>.....] - ETA: 0s - loss: 0.7235 - accuracy: 0.8340
266/750 [=====>.....] - ETA: 0s - loss: 0.7171 - accuracy: 0.8348
352/750 [======>.....] - ETA: 0s - loss: 0.7143 - accuracy: 0.8371
442/750 [======>.....] - ETA: 0s - loss: 0.7165 - accuracy: 0.8366
531/750 [======>.....] - ETA: 0s - loss: 0.7175 - accuracy: 0.8365
617/750 [======>.....] - ETA: 0s - loss: 0.7162 - accuracy: 0.8371
705/750 [======>..] - ETA: 0s - loss: 0.7142 - accuracy: 0.8374
750/750 [=====] - 1s 697us/step - loss: 0.7136 - accuracy: 0.8374 - val_loss: 0.7226 - val_accuracy: 0.8363
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.6319 - accuracy: 0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.7207 - accuracy: 0.8314
181/750 [=====>.....] - ETA: 0s - loss: 0.7058 - accuracy:

0.8362 [=====>.....] - ETA: 0s - loss: 0.7105 - accuracy:
273/750 [=====>.....] - ETA: 0s - loss: 0.7105 - accuracy:
0.8356 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy:
0.8375 [=====>.....] - ETA: 0s - loss: 0.7082 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.7082 - accuracy:
0.8373 [=====>.....] - ETA: 0s - loss: 0.7089 - accuracy:
542/750 [=====>.....] - ETA: 0s - loss: 0.7089 - accuracy:
0.8380 [=====>.....] - ETA: 0s - loss: 0.7089 - accuracy:
630/750 [=====>.....] - ETA: 0s - loss: 0.7089 - accuracy:
0.8380 [=====>.....] - ETA: 0s - loss: 0.7116 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.7116 - accuracy:
0.8377 [=====] - 1s 693us/step - loss: 0.7107 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.7107 - accuracy:
0.8379 - val_loss: 0.7189 - val_accuracy: 0.8350
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.9101 - accuracy:
0.7812 [.....] - ETA: 0s - loss: 0.7206 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.7206 - accuracy:
0.8381 [==>.....] - ETA: 0s - loss: 0.7129 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.7129 - accuracy:
0.8382 [=====>.....] - ETA: 0s - loss: 0.7066 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.7066 - accuracy:
0.8400 [=====>.....] - ETA: 0s - loss: 0.7091 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.7091 - accuracy:
0.8377 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy:
0.8380 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
0.8377 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.7077 - accuracy:
0.8390 [=====>..] - ETA: 0s - loss: 0.7078 - accuracy:
750/750 [=====>..] - 1s 701us/step - loss: 0.7078 - accuracy:
0.8392 - val_loss: 0.7179 - val_accuracy: 0.8370
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.6915 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6929 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.6929 - accuracy:
0.8432 [==>.....] - ETA: 0s - loss: 0.6975 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.6975 - accuracy:
0.8412 [=====>.....] - ETA: 0s - loss: 0.6992 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.6992 - accuracy:
0.8422 [=====>.....] - ETA: 0s - loss: 0.7000 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.7000 - accuracy:
0.8421 [=====>.....] - ETA: 0s - loss: 0.7006 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.7006 - accuracy:

0.8424 [=====>.....] - ETA: 0s - loss: 0.7026 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.7026 - accuracy:
0.8410 [=====>.....] - ETA: 0s - loss: 0.7048 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.7048 - accuracy:
0.8401 [=====>.....] - ETA: 0s - loss: 0.7054 - accuracy:
709/750 [=====>..] - ETA: 0s - loss: 0.7054 - accuracy:
0.8401 [=====] - 1s 700us/step - loss: 0.7052 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.7052 - accuracy:
0.8400 - val_loss: 0.7143 - val_accuracy: 0.8386
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.6856 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.7219 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.7219 - accuracy:
0.8380 [====>.....] - ETA: 0s - loss: 0.7127 - accuracy:
177/750 [====>.....] - ETA: 0s - loss: 0.7127 - accuracy:
0.8392 [====>.....] - ETA: 0s - loss: 0.7086 - accuracy:
265/750 [====>.....] - ETA: 0s - loss: 0.7086 - accuracy:
0.8390 [====>.....] - ETA: 0s - loss: 0.7019 - accuracy:
353/750 [====>.....] - ETA: 0s - loss: 0.7019 - accuracy:
0.8422 [====>.....] - ETA: 0s - loss: 0.7014 - accuracy:
443/750 [====>.....] - ETA: 0s - loss: 0.7014 - accuracy:
0.8417 [====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
529/750 [====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
0.8409 [====>.....] - ETA: 0s - loss: 0.7027 - accuracy:
616/750 [====>.....] - ETA: 0s - loss: 0.7027 - accuracy:
0.8408 [====>.....] - ETA: 0s - loss: 0.7040 - accuracy:
705/750 [====>..] - ETA: 0s - loss: 0.7040 - accuracy:
0.8401 [====>..] - ETA: 0s - loss: 0.7026 - accuracy:
750/750 [====>..] - 1s 698us/step - loss: 0.7026 - accuracy:
0.8408 - val_loss: 0.7120 - val_accuracy: 0.8386
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.5833 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.7084 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.7084 - accuracy:
0.8408 [====>.....] - ETA: 0s - loss: 0.7036 - accuracy:
172/750 [====>.....] - ETA: 0s - loss: 0.7036 - accuracy:
0.8410 [====>.....] - ETA: 0s - loss: 0.7055 - accuracy:
260/750 [====>.....] - ETA: 0s - loss: 0.7055 - accuracy:
0.8382 [====>.....] - ETA: 0s - loss: 0.6982 - accuracy:
345/750 [====>.....] - ETA: 0s - loss: 0.6982 - accuracy:
0.8415 [====>.....] - ETA: 0s - loss: 0.6964 - accuracy:
431/750 [====>.....] - ETA: 0s - loss: 0.6964 - accuracy:
0.8419 [====>.....] - ETA: 0s - loss: 0.6954 - accuracy:
518/750 [====>.....] - ETA: 0s - loss: 0.6954 - accuracy:
0.8417 [====>.....] - ETA: 0s - loss: 0.6961 - accuracy:
606/750 [====>.....] - ETA: 0s - loss: 0.6961 - accuracy:
0.8411 [====>.....] - ETA: 0s - loss: 0.6987 - accuracy:
693/750 [====>...] - ETA: 0s - loss: 0.6987 - accuracy:

0.8410
750/750 [=====] - 1s 709us/step - loss: 0.6999 - accuracy:
0.8409 - val_loss: 0.7120 - val_accuracy: 0.8392
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.6238 - accuracy:
0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.7006 - accuracy:
0.8448
178/750 [=====>.....] - ETA: 0s - loss: 0.7001 - accuracy:
0.8429
266/750 [=====>.....] - ETA: 0s - loss: 0.6995 - accuracy:
0.8425
353/750 [======>.....] - ETA: 0s - loss: 0.6984 - accuracy:
0.8417
441/750 [======>.....] - ETA: 0s - loss: 0.6972 - accuracy:
0.8430
532/750 [======>.....] - ETA: 0s - loss: 0.6980 - accuracy:
0.8416
620/750 [======>.....] - ETA: 0s - loss: 0.6973 - accuracy:
0.8414
707/750 [======>..] - ETA: 0s - loss: 0.6974 - accuracy:
0.8413
750/750 [=====] - 1s 698us/step - loss: 0.6973 - accuracy:
0.8414 - val_loss: 0.7098 - val_accuracy: 0.8388
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.6597 - accuracy:
0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.7006 - accuracy:
0.8429
175/750 [=====>.....] - ETA: 0s - loss: 0.7143 - accuracy:
0.8377
265/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
0.8402
355/750 [======>.....] - ETA: 0s - loss: 0.7040 - accuracy:
0.8404
442/750 [======>.....] - ETA: 0s - loss: 0.7006 - accuracy:
0.8415
530/750 [======>.....] - ETA: 0s - loss: 0.6972 - accuracy:
0.8434
621/750 [======>.....] - ETA: 0s - loss: 0.6964 - accuracy:
0.8436
707/750 [======>..] - ETA: 0s - loss: 0.6952 - accuracy:
0.8435
750/750 [=====] - 1s 704us/step - loss: 0.6948 - accuracy:
0.8435 - val_loss: 0.7055 - val_accuracy: 0.8393
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.8761 - accuracy:

0.7969 [.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.8474
90/750 [==>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.8474
177/750 [=====>.....] - ETA: 0s - loss: 0.6922 - accuracy: 0.8438
264/750 [=====>.....] - ETA: 0s - loss: 0.6989 - accuracy: 0.8417
349/750 [======>.....] - ETA: 0s - loss: 0.6982 - accuracy: 0.8436
436/750 [======>.....] - ETA: 0s - loss: 0.6964 - accuracy: 0.8440
519/750 [======>.....] - ETA: 0s - loss: 0.6946 - accuracy: 0.8439
608/750 [======>.....] - ETA: 0s - loss: 0.6930 - accuracy: 0.8440
694/750 [======>...] - ETA: 0s - loss: 0.6942 - accuracy: 0.8429
750/750 [=====] - 1s 710us/step - loss: 0.6924 - accuracy: 0.8442 - val_loss: 0.7045 - val_accuracy: 0.8406
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.9042 - accuracy: 0.7812
88/750 [==>.....] - ETA: 0s - loss: 0.6982 - accuracy: 0.8397
178/750 [=====>.....] - ETA: 0s - loss: 0.6912 - accuracy: 0.8430
264/750 [=====>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.8468
352/750 [======>.....] - ETA: 0s - loss: 0.6872 - accuracy: 0.8457
439/750 [======>.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.8457
524/750 [======>.....] - ETA: 0s - loss: 0.6866 - accuracy: 0.8463
611/750 [======>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.8452
694/750 [======>...] - ETA: 0s - loss: 0.6889 - accuracy: 0.8449
750/750 [=====] - 1s 713us/step - loss: 0.6900 - accuracy: 0.8442 - val_loss: 0.7012 - val_accuracy: 0.8414
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.6660 - accuracy: 0.8510
172/750 [=====>.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.8522
252/750 [=====>.....] - ETA: 0s - loss: 0.6781 - accuracy: 0.8522

0.8514 [=====>.....] - ETA: 0s - loss: 0.6788 - accuracy:
331/750 [=====>.....] - ETA: 0s - loss: 0.6788 - accuracy:
0.8501 [=====>.....] - ETA: 0s - loss: 0.6828 - accuracy:
417/750 [=====>.....] - ETA: 0s - loss: 0.6828 - accuracy:
0.8476 [=====>.....] - ETA: 0s - loss: 0.6832 - accuracy:
503/750 [=====>.....] - ETA: 0s - loss: 0.6832 - accuracy:
0.8479 [=====>.....] - ETA: 0s - loss: 0.6871 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.6871 - accuracy:
0.8460 [=====>.....] - ETA: 0s - loss: 0.6865 - accuracy:
675/750 [=====>...] - ETA: 0s - loss: 0.6865 - accuracy:
0.8462 [=====>...] - ETA: 0s - loss: 0.6875 - accuracy:
750/750 [=====] - 1s 726us/step - loss: 0.6875 - accuracy:
0.8455 - val_loss: 0.6994 - val_accuracy: 0.8417
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.7255 - accuracy:
0.7656 [==>.....] - ETA: 0s - loss: 0.6985 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.6985 - accuracy:
0.8427 [==>.....] - ETA: 0s - loss: 0.6894 - accuracy:
174/750 [==>.....] - ETA: 0s - loss: 0.6894 - accuracy:
0.8466 [==>.....] - ETA: 0s - loss: 0.6857 - accuracy:
262/750 [==>.....] - ETA: 0s - loss: 0.6857 - accuracy:
0.8463 [==>.....] - ETA: 0s - loss: 0.6865 - accuracy:
348/750 [==>.....] - ETA: 0s - loss: 0.6865 - accuracy:
0.8448 [==>.....] - ETA: 0s - loss: 0.6836 - accuracy:
434/750 [==>.....] - ETA: 0s - loss: 0.6836 - accuracy:
0.8457 [==>.....] - ETA: 0s - loss: 0.6845 - accuracy:
519/750 [==>.....] - ETA: 0s - loss: 0.6845 - accuracy:
0.8453 [==>.....] - ETA: 0s - loss: 0.6835 - accuracy:
604/750 [==>.....] - ETA: 0s - loss: 0.6835 - accuracy:
0.8456 [==>.....] - ETA: 0s - loss: 0.6844 - accuracy:
690/750 [==>.....] - ETA: 0s - loss: 0.6844 - accuracy:
0.8454 [==>.....] - ETA: 0s - loss: 0.6854 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.6854 - accuracy:
0.8456 - val_loss: 0.6967 - val_accuracy: 0.8423
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.7360 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.7000 - accuracy:
83/750 [==>.....] - ETA: 0s - loss: 0.6849 - accuracy:
0.8466 [==>.....] - ETA: 0s - loss: 0.6849 - accuracy:
170/750 [==>.....] - ETA: 0s - loss: 0.6810 - accuracy:
0.8488 [==>.....] - ETA: 0s - loss: 0.6810 - accuracy:
257/750 [==>.....] - ETA: 0s - loss: 0.6827 - accuracy:
0.8489 [==>.....] - ETA: 0s - loss: 0.6827 - accuracy:
342/750 [==>.....] - ETA: 0s - loss: 0.6839 - accuracy:
0.8487 [==>.....] - ETA: 0s - loss: 0.6839 - accuracy:
428/750 [==>.....] - ETA: 0s - loss: 0.6864 - accuracy:
0.8474 [==>.....] - ETA: 0s - loss: 0.6864 - accuracy:
516/750 [==>.....] - ETA: 0s - loss: 0.6864 - accuracy:

0.8460
602/750 [=====>.....] - ETA: 0s - loss: 0.6852 - accuracy:
0.8455
691/750 [=====>...] - ETA: 0s - loss: 0.6830 - accuracy:
0.8464
750/750 [=====] - 1s 714us/step - loss: 0.6831 - accuracy:
0.8468 - val_loss: 0.6962 - val_accuracy: 0.8434
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.5261 - accuracy:
0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6657 - accuracy:
0.8515
172/750 [====>.....] - ETA: 0s - loss: 0.6731 - accuracy:
0.8472
261/750 [=====>.....] - ETA: 0s - loss: 0.6785 - accuracy:
0.8477
347/750 [=====>.....] - ETA: 0s - loss: 0.6814 - accuracy:
0.8462
432/750 [=====>.....] - ETA: 0s - loss: 0.6795 - accuracy:
0.8473
521/750 [=====>.....] - ETA: 0s - loss: 0.6808 - accuracy:
0.8465
602/750 [=====>.....] - ETA: 0s - loss: 0.6802 - accuracy:
0.8469
688/750 [=====>...] - ETA: 0s - loss: 0.6805 - accuracy:
0.8473
750/750 [=====] - 1s 718us/step - loss: 0.6806 - accuracy:
0.8470 - val_loss: 0.6944 - val_accuracy: 0.8444
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.7074 - accuracy:
0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.6685 - accuracy:
0.8481
171/750 [====>.....] - ETA: 0s - loss: 0.6736 - accuracy:
0.8474
257/750 [=====>.....] - ETA: 0s - loss: 0.6751 - accuracy:
0.8480
343/750 [=====>.....] - ETA: 0s - loss: 0.6781 - accuracy:
0.8463
426/750 [=====>.....] - ETA: 0s - loss: 0.6778 - accuracy:
0.8461
513/750 [=====>.....] - ETA: 0s - loss: 0.6758 - accuracy:
0.8459
600/750 [=====>.....] - ETA: 0s - loss: 0.6765 - accuracy:
0.8462
686/750 [=====>...] - ETA: 0s - loss: 0.6768 - accuracy:
0.8470
750/750 [=====] - 1s 716us/step - loss: 0.6785 - accuracy:

0.8472 - val_loss: 0.6927 - val_accuracy: 0.8420
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.5461 - accuracy:
0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.6693 - accuracy:
0.8464
174/750 [=====>.....] - ETA: 0s - loss: 0.6732 - accuracy:
0.8463
261/750 [=====>.....] - ETA: 0s - loss: 0.6732 - accuracy:
0.8481
345/750 [======>.....] - ETA: 0s - loss: 0.6725 - accuracy:
0.8495
430/750 [======>.....] - ETA: 0s - loss: 0.6727 - accuracy:
0.8501
520/750 [======>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8497
606/750 [======>.....] - ETA: 0s - loss: 0.6742 - accuracy:
0.8495
694/750 [======>...] - ETA: 0s - loss: 0.6749 - accuracy:
0.8491
750/750 [=====] - 1s 714us/step - loss: 0.6763 - accuracy:
0.8486 - val_loss: 0.6906 - val_accuracy: 0.8426
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.7597 - accuracy:
0.7344
90/750 [==>.....] - ETA: 0s - loss: 0.6819 - accuracy:
0.8448
175/750 [=====>.....] - ETA: 0s - loss: 0.6800 - accuracy:
0.8452
259/750 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8455
346/750 [======>.....] - ETA: 0s - loss: 0.6750 - accuracy:
0.8485
433/750 [======>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8506
519/750 [======>.....] - ETA: 0s - loss: 0.6740 - accuracy:
0.8492
605/750 [======>.....] - ETA: 0s - loss: 0.6762 - accuracy:
0.8488
688/750 [======>...] - ETA: 0s - loss: 0.6751 - accuracy:
0.8492
750/750 [=====] - 1s 720us/step - loss: 0.6747 - accuracy:
0.8488 - val_loss: 0.6884 - val_accuracy: 0.8455
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.5927 - accuracy:
0.8281
89/750 [==>.....] - ETA: 0s - loss: 0.6815 - accuracy:

0.8467 [.....] - ETA: 0s - loss: 0.6679 - accuracy: 0.8517
173/750 [=====>.....] - ETA: 0s - loss: 0.6679 - accuracy: 0.8517
255/750 [======>.....] - ETA: 0s - loss: 0.6748 - accuracy: 0.8479
345/750 [======>.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.8472
431/750 [======>.....] - ETA: 0s - loss: 0.6742 - accuracy: 0.8469
517/750 [======>.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.8477
605/750 [======>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.8489
690/750 [======>...] - ETA: 0s - loss: 0.6735 - accuracy: 0.8493
750/750 [=====] - 1s 716us/step - loss: 0.6721 - accuracy: 0.8500 - val_loss: 0.6875 - val_accuracy: 0.8446
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.7873 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.8497
172/750 [=====>.....] - ETA: 0s - loss: 0.6669 - accuracy: 0.8527
260/750 [======>.....] - ETA: 0s - loss: 0.6683 - accuracy: 0.8496
350/750 [======>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.8502
436/750 [======>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.8508
521/750 [======>.....] - ETA: 0s - loss: 0.6694 - accuracy: 0.8512
609/750 [======>.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.8513
695/750 [======>...] - ETA: 0s - loss: 0.6698 - accuracy: 0.8507
750/750 [=====] - 1s 712us/step - loss: 0.6702 - accuracy: 0.8503 - val_loss: 0.6865 - val_accuracy: 0.8454
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.4919 - accuracy: 0.9219
83/750 [==>.....] - ETA: 0s - loss: 0.6700 - accuracy: 0.8466
169/750 [=====>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.8504
253/750 [======>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.8531
341/750 [======>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.8500

0.8511 [=====>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.8496
511/750 [=====>.....] - ETA: 0s - loss: 0.6708 - accuracy: 0.8497
598/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.8495
683/750 [=====>...] - ETA: 0s - loss: 0.6691 - accuracy: 0.8500
750/750 [=====] - 1s 722us/step - loss: 0.6685 - accuracy: 0.8502 - val_loss: 0.6824 - val_accuracy: 0.8471
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.8534
177/750 [=====>.....] - ETA: 0s - loss: 0.6658 - accuracy: 0.8496
261/750 [=====>.....] - ETA: 0s - loss: 0.6665 - accuracy: 0.8517
347/750 [=====>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.8514
435/750 [=====>.....] - ETA: 0s - loss: 0.6637 - accuracy: 0.8531
520/750 [=====>.....] - ETA: 0s - loss: 0.6656 - accuracy: 0.8521
601/750 [=====>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.8514
688/750 [=====>...] - ETA: 0s - loss: 0.6655 - accuracy: 0.8516
750/750 [=====] - 1s 714us/step - loss: 0.6665 - accuracy: 0.8514 - val_loss: 0.6839 - val_accuracy: 0.8441
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.8316 - accuracy: 0.7812
88/750 [==>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.8542
179/750 [=====>.....] - ETA: 0s - loss: 0.6633 - accuracy: 0.8538
266/750 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy: 0.8519
356/750 [=====>.....] - ETA: 0s - loss: 0.6618 - accuracy: 0.8547
447/750 [=====>.....] - ETA: 0s - loss: 0.6619 - accuracy: 0.8536
535/750 [=====>.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.8539
623/750 [=====>.....] - ETA: 0s - loss: 0.6641 - accuracy:

0.8530
713/750 [=====>..] - ETA: 0s - loss: 0.6644 - accuracy:
0.8527
750/750 [=====] - 1s 706us/step - loss: 0.6646 - accuracy:
0.8523 - val_loss: 0.6800 - val_accuracy: 0.8468
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.8577 - accuracy:
0.7969
85/750 [==>.....] - ETA: 0s - loss: 0.6521 - accuracy:
0.8553
173/750 [====>.....] - ETA: 0s - loss: 0.6553 - accuracy:
0.8537
262/750 [=====>.....] - ETA: 0s - loss: 0.6584 - accuracy:
0.8518
348/750 [=====>.....] - ETA: 0s - loss: 0.6611 - accuracy:
0.8523
432/750 [=====>.....] - ETA: 0s - loss: 0.6614 - accuracy:
0.8532
517/750 [=====>.....] - ETA: 0s - loss: 0.6622 - accuracy:
0.8528
603/750 [=====>.....] - ETA: 0s - loss: 0.6646 - accuracy:
0.8518
690/750 [=====>...] - ETA: 0s - loss: 0.6631 - accuracy:
0.8523
750/750 [=====] - 1s 714us/step - loss: 0.6628 - accuracy:
0.8526 - val_loss: 0.6781 - val_accuracy: 0.8471
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.7443 - accuracy:
0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.6706 - accuracy:
0.8534
174/750 [====>.....] - ETA: 0s - loss: 0.6657 - accuracy:
0.8525
261/750 [=====>.....] - ETA: 0s - loss: 0.6686 - accuracy:
0.8512
346/750 [=====>.....] - ETA: 0s - loss: 0.6643 - accuracy:
0.8535
430/750 [=====>.....] - ETA: 0s - loss: 0.6636 - accuracy:
0.8523
515/750 [=====>.....] - ETA: 0s - loss: 0.6612 - accuracy:
0.8534
604/750 [=====>.....] - ETA: 0s - loss: 0.6616 - accuracy:
0.8532
694/750 [=====>...] - ETA: 0s - loss: 0.6615 - accuracy:
0.8530
750/750 [=====] - 1s 708us/step - loss: 0.6610 - accuracy:
0.8533 - val_loss: 0.6773 - val_accuracy: 0.8482
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.5569 - accuracy: 0.8906
92/750 [==>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.8516
179/750 [=====>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.8525
268/750 [=====>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.8517
358/750 [======>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.8530
441/750 [======>.....] - ETA: 0s - loss: 0.6591 - accuracy: 0.8525
529/750 [======>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.8526
617/750 [======>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.8525
699/750 [======>...] - ETA: 0s - loss: 0.6591 - accuracy: 0.8527
750/750 [=====] - 1s 712us/step - loss: 0.6590 - accuracy: 0.8531 - val_loss: 0.6743 - val_accuracy: 0.8488
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.6721 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.6565 - accuracy: 0.8562
175/750 [=====>.....] - ETA: 0s - loss: 0.6482 - accuracy: 0.8604
260/750 [=====>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.8560
346/750 [======>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.8548
431/750 [======>.....] - ETA: 0s - loss: 0.6565 - accuracy: 0.8548
515/750 [======>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.8549
604/750 [======>.....] - ETA: 0s - loss: 0.6576 - accuracy: 0.8541
688/750 [======>...] - ETA: 0s - loss: 0.6578 - accuracy: 0.8541
750/750 [=====] - 1s 714us/step - loss: 0.6574 - accuracy: 0.8539 - val_loss: 0.6732 - val_accuracy: 0.8484
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.8500
176/750 [=====>.....] - ETA: 0s - loss: 0.6542 - accuracy:

0.8575 [.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8586
261/750 [=====>.....] - ETA: 0s - loss: 0.6523 - accuracy: 0.8590
348/750 [=====>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.8577
436/750 [=====>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.8567
522/750 [=====>.....] - ETA: 0s - loss: 0.6538 - accuracy: 0.8560
606/750 [=====>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.8552
692/750 [=====>...] - ETA: 0s - loss: 0.6556 - accuracy: 0.8547
750/750 [=====] - 1s 713us/step - loss: 0.6556 - accuracy: 0.8459
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.7626 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.8572
172/750 [====>.....] - ETA: 0s - loss: 0.6523 - accuracy: 0.8557
257/750 [=====>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.8545
345/750 [=====>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.8543
432/750 [=====>.....] - ETA: 0s - loss: 0.6491 - accuracy: 0.8555
516/750 [=====>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.8561
604/750 [=====>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.8542
690/750 [=====>...] - ETA: 0s - loss: 0.6546 - accuracy: 0.8544
750/750 [=====] - 1s 716us/step - loss: 0.6539 - accuracy: 0.8546
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.6989 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.6473 - accuracy: 0.8597
161/750 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.8586
247/750 [=====>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.8579
335/750 [=====>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.8566
426/750 [=====>.....] - ETA: 0s - loss: 0.6540 - accuracy: 0.8547

0.8559 [=====>.....] - ETA: 0s - loss: 0.6541 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.6533 - accuracy:
0.8552 [=====>.....] - ETA: 0s - loss: 0.6526 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.6519 - accuracy:
0.8556 - val_loss: 0.6688 - val_accuracy: 0.8510
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.7547 - accuracy:
0.8125 [==>.....] - ETA: 0s - loss: 0.6490 - accuracy:
85/750 [====>.....] - ETA: 0s - loss: 0.6470 - accuracy:
0.8596 [====>.....] - ETA: 0s - loss: 0.6500 - accuracy:
172/750 [====>.....] - ETA: 0s - loss: 0.6505 - accuracy:
0.8585 [====>.....] - ETA: 0s - loss: 0.6465 - accuracy:
259/750 [====>.....] - ETA: 0s - loss: 0.6472 - accuracy:
0.8574 [====>.....] - ETA: 0s - loss: 0.6486 - accuracy:
348/750 [====>.....] - ETA: 0s - loss: 0.6498 - accuracy:
0.8564 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
440/750 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8568 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
528/750 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8565 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
616/750 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8559 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
707/750 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8557 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
750/750 [====>.....] - 1s 700us/step - loss: 0.6503 - accuracy:
0.8555 - val_loss: 0.6696 - val_accuracy: 0.8506
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.8318 - accuracy:
0.7812 [==>.....] - ETA: 0s - loss: 0.6484 - accuracy:
88/750 [====>.....] - ETA: 0s - loss: 0.6427 - accuracy:
0.8576 [====>.....] - ETA: 0s - loss: 0.6410 - accuracy:
177/750 [====>.....] - ETA: 0s - loss: 0.6458 - accuracy:
0.8593 [====>.....] - ETA: 0s - loss: 0.6452 - accuracy:
266/750 [====>.....] - ETA: 0s - loss: 0.6457 - accuracy:
0.8587 [====>.....] - ETA: 0s - loss: 0.6459 - accuracy:
352/750 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
0.8574 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
440/750 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
0.8582 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
529/750 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
0.8578 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
617/750 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
0.8577 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:
706/750 [====>.....] - ETA: 0s - loss: 0.6481 - accuracy:

0.8571
750/750 [=====] - 1s 705us/step - loss: 0.6488 - accuracy:
0.8569 - val_loss: 0.6666 - val_accuracy: 0.8512
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.7181 - accuracy:
0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.6431 - accuracy:
0.8573
176/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy:
0.8571
263/750 [=====>.....] - ETA: 0s - loss: 0.6456 - accuracy:
0.8584
354/750 [=====>.....] - ETA: 0s - loss: 0.6490 - accuracy:
0.8573
444/750 [=====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8555
533/750 [=====>.....] - ETA: 0s - loss: 0.6474 - accuracy:
0.8574
620/750 [=====>.....] - ETA: 0s - loss: 0.6464 - accuracy:
0.8576
709/750 [=====>..] - ETA: 0s - loss: 0.6467 - accuracy:
0.8575
750/750 [=====] - 1s 701us/step - loss: 0.6470 - accuracy:
0.8572 - val_loss: 0.6647 - val_accuracy: 0.8517
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.4667 - accuracy:
0.9219
91/750 [==>.....] - ETA: 0s - loss: 0.6362 - accuracy:
0.8662
177/750 [=====>.....] - ETA: 0s - loss: 0.6412 - accuracy:
0.8610
266/750 [=====>.....] - ETA: 0s - loss: 0.6380 - accuracy:
0.8614
353/750 [=====>.....] - ETA: 0s - loss: 0.6392 - accuracy:
0.8617
441/750 [=====>.....] - ETA: 0s - loss: 0.6416 - accuracy:
0.8610
528/750 [=====>.....] - ETA: 0s - loss: 0.6408 - accuracy:
0.8604
617/750 [=====>.....] - ETA: 0s - loss: 0.6429 - accuracy:
0.8598
705/750 [=====>..] - ETA: 0s - loss: 0.6446 - accuracy:
0.8590
750/750 [=====] - 1s 701us/step - loss: 0.6453 - accuracy:
0.8579 - val_loss: 0.6629 - val_accuracy: 0.8526
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.6060 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.8648
89/750 [==>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.8648
0.8648 [.....] - ETA: 0s - loss: 0.6416 - accuracy: 0.8612
181/750 [=====>.....] - ETA: 0s - loss: 0.6416 - accuracy: 0.8612
0.8612 [.....] - ETA: 0s - loss: 0.6417 - accuracy: 0.8611
267/750 [=====>.....] - ETA: 0s - loss: 0.6417 - accuracy: 0.8611
0.8611 [.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.8602
355/750 [=====>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.8602
0.8602 [.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8616
446/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8616
0.8616 [.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.8608
535/750 [=====>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.8608
0.8608 [.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.8597
626/750 [=====>.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.8597
0.8597 [.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8587
716/750 [=====>..] - ETA: 0s - loss: 0.6440 - accuracy: 0.8587
0.8587 [.....] - 1s 694us/step - loss: 0.6437 - accuracy: 0.8587
750/750 [=====>] - 1s 694us/step - loss: 0.6437 - accuracy: 0.8587
0.8587 - val_loss: 0.6615 - val_accuracy: 0.8521
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.8625
0.8625 [.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.8579
175/750 [=====>.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.8579
0.8579 [.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.8588
259/750 [=====>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.8588
0.8588 [.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8593
347/750 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8593
0.8593 [.....] - ETA: 0s - loss: 0.6385 - accuracy: 0.8594
438/750 [=====>.....] - ETA: 0s - loss: 0.6385 - accuracy: 0.8594
0.8594 [.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.8593
525/750 [=====>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.8593
0.8593 [.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8589
615/750 [=====>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8589
0.8589 [.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.8586
706/750 [=====>..] - ETA: 0s - loss: 0.6418 - accuracy: 0.8586
0.8586 [.....] - 1s 702us/step - loss: 0.6422 - accuracy: 0.8584
750/750 [=====>] - 1s 702us/step - loss: 0.6422 - accuracy: 0.8584
0.8584 - val_loss: 0.6601 - val_accuracy: 0.8522
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.8281
87/750 [==>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8590
0.8590 [.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.8569
174/750 [=====>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.8569
0.8569 [.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8569
264/750 [=====>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8569

0.8571 [=====>.....] - ETA: 0s - loss: 0.6401 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.6380 - accuracy:
0.8583 [=====>.....] - ETA: 0s - loss: 0.6357 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.6377 - accuracy:
0.8599 [=====>.....] - ETA: 0s - loss: 0.6398 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8611 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8600 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
703/750 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8596 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.6406 - accuracy:
0.8594 - val_loss: 0.6591 - val_accuracy: 0.8528
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.6700 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.6408 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8528 [==>.....] - ETA: 0s - loss: 0.6415 - accuracy:
177/750 [==>.....] - ETA: 0s - loss: 0.6424 - accuracy:
0.8542 [==>.....] - ETA: 0s - loss: 0.6403 - accuracy:
264/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8545 [==>.....] - ETA: 0s - loss: 0.6391 - accuracy:
349/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8558 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
437/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8572 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
528/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8577 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
615/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8583 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
702/750 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8588 [==>.....] - ETA: 0s - loss: 0.6397 - accuracy:
750/750 [=====] - 1s 706us/step - loss: 0.6391 - accuracy:
0.8589 - val_loss: 0.6584 - val_accuracy: 0.8520
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.6043 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.6585 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.6532 - accuracy:
0.8527 [==>.....] - ETA: 0s - loss: 0.6450 - accuracy:
172/750 [==>.....] - ETA: 0s - loss: 0.6434 - accuracy:
0.8543 [==>.....] - ETA: 0s - loss: 0.6432 - accuracy:
256/750 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:
0.8585 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:
345/750 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:
0.8581 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:
432/750 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:
0.8586 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:
523/750 [==>.....] - ETA: 0s - loss: 0.6436 - accuracy:

0.8585 [=====>.....] - ETA: 0s - loss: 0.6400 - accuracy:
0.8593 [=====>.....] - ETA: 0s - loss: 0.6390 - accuracy:
700/750 [=====>..] - ETA: 0s - loss: 0.6376 - accuracy:
0.8591 [=====] - 1s 706us/step - loss: 0.6376 - accuracy:
0.8596 - val_loss: 0.6569 - val_accuracy: 0.8543
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.5885 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8523 [=====>.....] - ETA: 0s - loss: 0.6401 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.6381 - accuracy:
0.8589 [=====>.....] - ETA: 0s - loss: 0.6346 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.6379 - accuracy:
0.8605 [=====>.....] - ETA: 0s - loss: 0.6365 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.6349 - accuracy:
0.8610 [=====>.....] - ETA: 0s - loss: 0.6356 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy:
0.8610 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy:
0.8607 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy:
0.8616 [=====>.....] - ETA: 0s - loss: 0.6359 - accuracy:
703/750 [=====>..] - ETA: 0s - loss: 0.6359 - accuracy:
0.8611 [=====] - 1s 702us/step - loss: 0.6359 - accuracy:
0.8609 - val_loss: 0.6599 - val_accuracy: 0.8528
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.4538 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.6139 - accuracy:
0.8675 [=====>.....] - ETA: 0s - loss: 0.6169 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.6184 - accuracy:
0.8669 [=====>.....] - ETA: 0s - loss: 0.6234 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.6290 - accuracy:
0.8646 [=====>.....] - ETA: 0s - loss: 0.6303 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.6320 - accuracy:
0.8627 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
0.8608 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
0.8612 [=====>..] - ETA: 0s - loss: 0.6345 - accuracy:
617/750 [=====>..] - ETA: 0s - loss: 0.6345 - accuracy:
0.8605 [=====] - 1s 697us/step - loss: 0.6345 - accuracy:
708/750 [=====] - 1s 697us/step - loss: 0.6345 - accuracy:
0.8608 [=====] - 1s 697us/step - loss: 0.6345 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.6345 - accuracy:

0.8608 - val_loss: 0.6549 - val_accuracy: 0.8538
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.4963 - accuracy:
0.9219
84/750 [==>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8659
172/750 [=====>.....] - ETA: 0s - loss: 0.6233 - accuracy:
0.8626
263/750 [=====>.....] - ETA: 0s - loss: 0.6316 - accuracy:
0.8603
347/750 [======>.....] - ETA: 0s - loss: 0.6369 - accuracy:
0.8591
435/750 [======>.....] - ETA: 0s - loss: 0.6366 - accuracy:
0.8592
524/750 [======>.....] - ETA: 0s - loss: 0.6338 - accuracy:
0.8611
614/750 [======>.....] - ETA: 0s - loss: 0.6337 - accuracy:
0.8609
700/750 [======>..] - ETA: 0s - loss: 0.6324 - accuracy:
0.8611
750/750 [=====] - 1s 705us/step - loss: 0.6329 - accuracy:
0.8605 - val_loss: 0.6524 - val_accuracy: 0.8561
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.6531 - accuracy:
0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.6345 - accuracy:
0.8574
174/750 [=====>.....] - ETA: 0s - loss: 0.6301 - accuracy:
0.8620
262/750 [=====>.....] - ETA: 0s - loss: 0.6287 - accuracy:
0.8614
351/750 [======>.....] - ETA: 0s - loss: 0.6324 - accuracy:
0.8606
437/750 [======>.....] - ETA: 0s - loss: 0.6302 - accuracy:
0.8610
527/750 [======>.....] - ETA: 0s - loss: 0.6309 - accuracy:
0.8613
616/750 [======>.....] - ETA: 0s - loss: 0.6314 - accuracy:
0.8617
703/750 [======>..] - ETA: 0s - loss: 0.6302 - accuracy:
0.8621
750/750 [=====] - 1s 701us/step - loss: 0.6315 - accuracy:
0.8614 - val_loss: 0.6524 - val_accuracy: 0.8553
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.7620 - accuracy:
0.7969
90/750 [==>.....] - ETA: 0s - loss: 0.6345 - accuracy:

0.8589 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.6327 - accuracy:
0.8589 [=====>.....] - ETA: 0s - loss: 0.6292 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.6281 - accuracy:
0.8611 [=====>.....] - ETA: 0s - loss: 0.6289 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.6280 - accuracy:
0.8619 [=====>.....] - ETA: 0s - loss: 0.6291 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
0.8619 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
0.8624 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
0.8629 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
707/750 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
0.8620 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.6298 - accuracy:
0.8616 - val_loss: 0.6515 - val_accuracy: 0.8543
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.6459 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.6292 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.6363 - accuracy:
0.8610 [==>.....] - ETA: 0s - loss: 0.6373 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.6336 - accuracy:
0.8575 [=====>.....] - ETA: 0s - loss: 0.6354 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.6310 - accuracy:
0.8585 [=====>.....] - ETA: 0s - loss: 0.6307 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.6291 - accuracy:
0.8595 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8588 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8612 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8613 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
709/750 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8620 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
750/750 [=====>.....] - 1s 698us/step - loss: 0.6283 - accuracy:
0.8620 - val_loss: 0.6512 - val_accuracy: 0.8551
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.5806 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6286 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.6297 - accuracy:
0.8625 [==>.....] - ETA: 0s - loss: 0.6300 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:
0.8615 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:
0.8625 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:

0.8616
444/750 [=====>.....] - ETA: 0s - loss: 0.6307 - accuracy:
0.8619
533/750 [=====>.....] - ETA: 0s - loss: 0.6323 - accuracy:
0.8620
624/750 [=====>.....] - ETA: 0s - loss: 0.6284 - accuracy:
0.8629
711/750 [=====>..] - ETA: 0s - loss: 0.6271 - accuracy:
0.8634
750/750 [=====] - 1s 698us/step - loss: 0.6270 - accuracy:
0.8634 - val_loss: 0.6477 - val_accuracy: 0.8557
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.6116 - accuracy:
0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.6130 - accuracy:
0.8684
182/750 [=====>.....] - ETA: 0s - loss: 0.6206 - accuracy:
0.8651
268/750 [=====>.....] - ETA: 0s - loss: 0.6272 - accuracy:
0.8630
357/750 [=====>.....] - ETA: 0s - loss: 0.6247 - accuracy:
0.8634
446/750 [=====>.....] - ETA: 0s - loss: 0.6261 - accuracy:
0.8629
535/750 [=====>.....] - ETA: 0s - loss: 0.6246 - accuracy:
0.8633
626/750 [=====>.....] - ETA: 0s - loss: 0.6252 - accuracy:
0.8634
711/750 [=====>..] - ETA: 0s - loss: 0.6251 - accuracy:
0.8641
750/750 [=====] - 1s 697us/step - loss: 0.6254 - accuracy:
0.8643 - val_loss: 0.6482 - val_accuracy: 0.8558
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.6580 - accuracy:
0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.6113 - accuracy:
0.8685
182/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8661
271/750 [=====>.....] - ETA: 0s - loss: 0.6184 - accuracy:
0.8669
360/750 [=====>.....] - ETA: 0s - loss: 0.6216 - accuracy:
0.8661
450/750 [=====>.....] - ETA: 0s - loss: 0.6255 - accuracy:
0.8640
539/750 [=====>.....] - ETA: 0s - loss: 0.6251 - accuracy:
0.8634
629/750 [=====>.....] - ETA: 0s - loss: 0.6233 - accuracy:

0.8649 [=====] - ETA: 0s - loss: 0.6227 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.6227 - accuracy:
0.8647 [=====] - ETA: 0s - loss: 0.6227 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.6241 - accuracy:
0.8641 - val_loss: 0.6475 - val_accuracy: 0.8574
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.5019 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5019 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.6180 - accuracy:
0.8663 [.....] - ETA: 0s - loss: 0.6180 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.6181 - accuracy:
0.8662 [.....] - ETA: 0s - loss: 0.6181 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.6219 - accuracy:
0.8645 [.....] - ETA: 0s - loss: 0.6219 - accuracy:
313/750 [=====>.....] - ETA: 0s - loss: 0.6216 - accuracy:
0.8654 [.....] - ETA: 0s - loss: 0.6216 - accuracy:
403/750 [=====>.....] - ETA: 0s - loss: 0.6221 - accuracy:
0.8642 [.....] - ETA: 0s - loss: 0.6221 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.6224 - accuracy:
0.8641 [.....] - ETA: 0s - loss: 0.6224 - accuracy:
581/750 [=====>.....] - ETA: 0s - loss: 0.6231 - accuracy:
0.8634 [.....] - ETA: 0s - loss: 0.6231 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.6229 - accuracy:
0.8633 [.....] - ETA: 0s - loss: 0.6229 - accuracy:
745/750 [=====>..] - ETA: 0s - loss: 0.6228 - accuracy:
0.8629 [.....] - ETA: 0s - loss: 0.6228 - accuracy:
750/750 [=====] - 1s 737us/step - loss: 0.6228 - accuracy:
0.8632 - val_loss: 0.6487 - val_accuracy: 0.8568
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.6760 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6760 - accuracy:
78/750 [==>.....] - ETA: 0s - loss: 0.6194 - accuracy:
0.8618 [.....] - ETA: 0s - loss: 0.6194 - accuracy:
161/750 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
0.8593 [.....] - ETA: 0s - loss: 0.6294 - accuracy:
241/750 [=====>.....] - ETA: 0s - loss: 0.6210 - accuracy:
0.8623 [.....] - ETA: 0s - loss: 0.6210 - accuracy:
324/750 [=====>.....] - ETA: 0s - loss: 0.6229 - accuracy:
0.8639 [.....] - ETA: 0s - loss: 0.6229 - accuracy:
412/750 [=====>.....] - ETA: 0s - loss: 0.6198 - accuracy:
0.8653 [.....] - ETA: 0s - loss: 0.6198 - accuracy:
500/750 [=====>.....] - ETA: 0s - loss: 0.6178 - accuracy:
0.8657 [.....] - ETA: 0s - loss: 0.6178 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.6182 - accuracy:
0.8652 [.....] - ETA: 0s - loss: 0.6182 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.6210 - accuracy:
0.8642 [.....] - ETA: 0s - loss: 0.6210 - accuracy:
750/750 [=====] - 1s 728us/step - loss: 0.6215 - accuracy:

0.8645 - val_loss: 0.6445 - val_accuracy: 0.8568
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.5690 - accuracy:
0.8750
80/750 [==>.....] - ETA: 0s - loss: 0.6163 - accuracy:
0.8648
160/750 [=====>.....] - ETA: 0s - loss: 0.6220 - accuracy:
0.8632
244/750 [=====>.....] - ETA: 0s - loss: 0.6196 - accuracy:
0.8653
333/750 [======>.....] - ETA: 0s - loss: 0.6227 - accuracy:
0.8632
420/750 [======>.....] - ETA: 0s - loss: 0.6244 - accuracy:
0.8627
508/750 [======>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8635
595/750 [======>.....] - ETA: 0s - loss: 0.6184 - accuracy:
0.8650
680/750 [======>...] - ETA: 0s - loss: 0.6211 - accuracy:
0.8636
750/750 [=====] - 1s 721us/step - loss: 0.6196 - accuracy:
0.8645 - val_loss: 0.6454 - val_accuracy: 0.8572
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.5667 - accuracy:
0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.6238 - accuracy:
0.8652
175/750 [=====>.....] - ETA: 0s - loss: 0.6247 - accuracy:
0.8646
260/750 [=====>.....] - ETA: 0s - loss: 0.6262 - accuracy:
0.8626
345/750 [======>.....] - ETA: 0s - loss: 0.6236 - accuracy:
0.8638
423/750 [======>.....] - ETA: 0s - loss: 0.6230 - accuracy:
0.8634
508/750 [======>.....] - ETA: 0s - loss: 0.6223 - accuracy:
0.8630
587/750 [======>.....] - ETA: 0s - loss: 0.6190 - accuracy:
0.8646
671/750 [======>...] - ETA: 0s - loss: 0.6193 - accuracy:
0.8648
750/750 [=====] - 1s 725us/step - loss: 0.6184 - accuracy:
0.8654 - val_loss: 0.6416 - val_accuracy: 0.8577
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8750
93/750 [==>.....] - ETA: 0s - loss: 0.6444 - accuracy:

0.8550 [=====>.....] - ETA: 0s - loss: 0.6257 - accuracy: 0.8593
270/750 [=====>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.8643
355/750 [=====>.....] - ETA: 0s - loss: 0.6183 - accuracy: 0.8648
441/750 [=====>.....] - ETA: 0s - loss: 0.6156 - accuracy: 0.8662
528/750 [=====>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.8669
618/750 [=====>.....] - ETA: 0s - loss: 0.6131 - accuracy: 0.8675
705/750 [=====>..] - ETA: 0s - loss: 0.6161 - accuracy: 0.8663
750/750 [=====] - 1s 702us/step - loss: 0.6171 - accuracy: 0.8658 - val_loss: 0.6422 - val_accuracy: 0.8560
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.4937 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8675
176/750 [=====>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.8679
267/750 [=====>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.8669
354/750 [=====>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8659
443/750 [=====>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.8645
533/750 [=====>.....] - ETA: 0s - loss: 0.6156 - accuracy: 0.8652
612/750 [=====>.....] - ETA: 0s - loss: 0.6169 - accuracy: 0.8652
695/750 [=====>...] - ETA: 0s - loss: 0.6154 - accuracy: 0.8659
750/750 [=====] - 1s 710us/step - loss: 0.6155 - accuracy: 0.8663 - val_loss: 0.6406 - val_accuracy: 0.8576
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8729
178/750 [=====>.....] - ETA: 0s - loss: 0.6040 - accuracy: 0.8674
266/750 [=====>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.8692
355/750 [=====>.....] - ETA: 0s - loss: 0.6068 - accuracy:

0.8687 [=====>.....] - ETA: 0s - loss: 0.6092 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.6092 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.6119 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.6119 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy:
0.8674 [=====>.....] - ETA: 0s - loss: 0.6127 - accuracy:
705/750 [=====>..] - ETA: 0s - loss: 0.6127 - accuracy:
0.8670 [=====] - 1s 700us/step - loss: 0.6143 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.6143 - accuracy:
0.8670 - val_loss: 0.6398 - val_accuracy: 0.8577
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.6009 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.6009 - accuracy:
0.8721 [==>.....] - ETA: 0s - loss: 0.6106 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8671 [=====>.....] - ETA: 0s - loss: 0.6131 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.6131 - accuracy:
0.8682 [=====>.....] - ETA: 0s - loss: 0.6109 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.6109 - accuracy:
0.8688 [=====>.....] - ETA: 0s - loss: 0.6136 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.6136 - accuracy:
0.8674 [=====>.....] - ETA: 0s - loss: 0.6145 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.6145 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.6137 - accuracy:
625/750 [=====>.....] - ETA: 0s - loss: 0.6137 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.6123 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.6123 - accuracy:
0.8673 [=====>..] - ETA: 0s - loss: 0.6131 - accuracy:
750/750 [=====] - 1s 705us/step - loss: 0.6131 - accuracy:
0.8669 - val_loss: 0.6375 - val_accuracy: 0.8597
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.4747 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6124 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.6124 - accuracy:
0.8663 [==>.....] - ETA: 0s - loss: 0.6203 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.6203 - accuracy:
0.8612 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8671 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy:
0.8669 [=====>.....] - ETA: 0s - loss: 0.6118 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.6118 - accuracy:
0.8663 [=====>.....] - ETA: 0s - loss: 0.6136 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.6136 - accuracy:

0.8662 [=====] - ETA: 0s - loss: 0.6125 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.6125 - accuracy:
0.8670 [=====] - 1s 718us/step - loss: 0.6117 - accuracy:
0.8667 - val_loss: 0.6382 - val_accuracy: 0.8586
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.9062 [=====] - ETA: 0s - loss: 0.6041 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.6041 - accuracy:
0.8743 [=====] - ETA: 0s - loss: 0.6111 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.6111 - accuracy:
0.8699 [=====] - ETA: 0s - loss: 0.6106 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8683 [=====] - ETA: 0s - loss: 0.6081 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy:
0.8688 [=====] - ETA: 0s - loss: 0.6137 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.6137 - accuracy:
0.8669 [=====] - ETA: 0s - loss: 0.6126 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.6126 - accuracy:
0.8675 [=====] - ETA: 0s - loss: 0.6124 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy:
0.8676 [=====] - ETA: 0s - loss: 0.6109 - accuracy:
691/750 [=====>...] - ETA: 0s - loss: 0.6109 - accuracy:
0.8685 [=====] - 1s 713us/step - loss: 0.6105 - accuracy:
750/750 [=====] - loss: 0.6105 - accuracy:
0.8681 - val_loss: 0.6376 - val_accuracy: 0.8583
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.7153 - accuracy:
0.8125 [=====] - ETA: 0s - loss: 0.6106 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8677 [=====] - ETA: 0s - loss: 0.6065 - accuracy:
168/750 [=====>.....] - ETA: 0s - loss: 0.6065 - accuracy:
0.8681 [=====] - ETA: 0s - loss: 0.6098 - accuracy:
257/750 [=====>.....] - ETA: 0s - loss: 0.6098 - accuracy:
0.8672 [=====] - ETA: 0s - loss: 0.6052 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.6052 - accuracy:
0.8690 [=====] - ETA: 0s - loss: 0.6089 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.6089 - accuracy:
0.8686 [=====] - ETA: 0s - loss: 0.6094 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.6094 - accuracy:
0.8683 [=====] - ETA: 0s - loss: 0.6087 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.6087 - accuracy:
0.8679 [=====] - ETA: 0s - loss: 0.6110 - accuracy:
702/750 [=====>..] - ETA: 0s - loss: 0.6110 - accuracy:
0.8671 [=====] - 1s 701us/step - loss: 0.6092 - accuracy:
750/750 [=====] - loss: 0.6092 - accuracy:
0.8677 - val_loss: 0.6342 - val_accuracy: 0.8597
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.7152 - accuracy: 0.8125
89/750 [==>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.8680
179/750 [=====>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.8673
269/750 [=====>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.8670
357/750 [======>.....] - ETA: 0s - loss: 0.6047 - accuracy: 0.8678
446/750 [======>.....] - ETA: 0s - loss: 0.6051 - accuracy: 0.8687
535/750 [======>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.8686
624/750 [======>.....] - ETA: 0s - loss: 0.6076 - accuracy: 0.8680
715/750 [======>..] - ETA: 0s - loss: 0.6082 - accuracy: 0.8675
750/750 [=====] - 1s 692us/step - loss: 0.6077 - accuracy: 0.8676 - val_loss: 0.6388 - val_accuracy: 0.8569
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8750
82/750 [==>.....] - ETA: 0s - loss: 0.6067 - accuracy: 0.8697
172/750 [=====>.....] - ETA: 0s - loss: 0.6043 - accuracy: 0.8719
261/750 [=====>.....] - ETA: 0s - loss: 0.6035 - accuracy: 0.8705
348/750 [======>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.8712
438/750 [======>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.8695
529/750 [======>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.8687
617/750 [======>.....] - ETA: 0s - loss: 0.6083 - accuracy: 0.8684
705/750 [======>..] - ETA: 0s - loss: 0.6068 - accuracy: 0.8683
750/750 [=====] - 1s 700us/step - loss: 0.6065 - accuracy: 0.8689 - val_loss: 0.6350 - val_accuracy: 0.8589
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.6031 - accuracy: 0.8672
178/750 [=====>.....] - ETA: 0s - loss: 0.6128 - accuracy:

0.8646 [=====>.....] - ETA: 0s - loss: 0.6056 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.6056 - accuracy:
0.8692 [=====>.....] - ETA: 0s - loss: 0.6085 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.6085 - accuracy:
0.8674 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
0.8695 [=====>.....] - ETA: 0s - loss: 0.6059 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.6059 - accuracy:
0.8694 [=====>.....] - ETA: 0s - loss: 0.6072 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.6072 - accuracy:
0.8689 [=====>.....] - ETA: 0s - loss: 0.6063 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.6063 - accuracy:
0.8683 [=====>..] - ETA: 0s - loss: 0.6052 - accuracy:
750/750 [=====] - 1s 702us/step - loss: 0.6052 - accuracy:
0.8686 - val_loss: 0.6336 - val_accuracy: 0.8587
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.5698 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5988 - accuracy:
94/750 [==>.....] - ETA: 0s - loss: 0.5988 - accuracy:
0.8672 [==>.....] - ETA: 0s - loss: 0.6035 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.6035 - accuracy:
0.8679 [=====>.....] - ETA: 0s - loss: 0.6029 - accuracy:
272/750 [=====>.....] - ETA: 0s - loss: 0.6029 - accuracy:
0.8702 [=====>.....] - ETA: 0s - loss: 0.6062 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.6062 - accuracy:
0.8687 [=====>.....] - ETA: 0s - loss: 0.6054 - accuracy:
450/750 [=====>.....] - ETA: 0s - loss: 0.6054 - accuracy:
0.8688 [=====>.....] - ETA: 0s - loss: 0.6039 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.6039 - accuracy:
0.8695 [=====>.....] - ETA: 0s - loss: 0.6045 - accuracy:
629/750 [=====>.....] - ETA: 0s - loss: 0.6045 - accuracy:
0.8693 [=====>.....] - ETA: 0s - loss: 0.6047 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.6047 - accuracy:
0.8688 [=====>..] - ETA: 0s - loss: 0.6043 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.6043 - accuracy:
0.8688 - val_loss: 0.6307 - val_accuracy: 0.8604
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.5220 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.5955 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.5955 - accuracy:
0.8718 [==>.....] - ETA: 0s - loss: 0.6007 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.6007 - accuracy:
0.8713 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8728 [=====>.....] - ETA: 0s - loss: 0.6013 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.6013 - accuracy:
0.8709 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy:

0.8695 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy:
0.8697 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy:
0.8699 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.6030 - accuracy:
0.8697 [=====>..] - ETA: 0s - loss: 0.6030 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.6029 - accuracy:
0.8696 - val_loss: 0.6290 - val_accuracy: 0.8622
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.7270 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.7270 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.5820 - accuracy:
0.8784 [==>.....] - ETA: 0s - loss: 0.5820 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
0.8711 [=====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy:
0.8682 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8692 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy:
0.8709 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy:
0.8710 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy:
624/750 [=====>.....] - ETA: 0s - loss: 0.5994 - accuracy:
0.8707 [=====>.....] - ETA: 0s - loss: 0.5994 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.6006 - accuracy:
0.8701 [=====>..] - ETA: 0s - loss: 0.6006 - accuracy:
750/750 [=====] - 1s 692us/step - loss: 0.6014 - accuracy:
0.8699 - val_loss: 0.6297 - val_accuracy: 0.8595
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.5768 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5768 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.6093 - accuracy:
0.8635 [==>.....] - ETA: 0s - loss: 0.6093 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.6065 - accuracy:
0.8681 [=====>.....] - ETA: 0s - loss: 0.6065 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.5990 - accuracy:
0.8705 [=====>.....] - ETA: 0s - loss: 0.5990 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.6003 - accuracy:
0.8705 [=====>.....] - ETA: 0s - loss: 0.6003 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5996 - accuracy:
0.8716 [=====>.....] - ETA: 0s - loss: 0.5996 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy:
0.8711 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy:
624/750 [=====>.....] - ETA: 0s - loss: 0.6004 - accuracy:
0.8705 [=====>.....] - ETA: 0s - loss: 0.6004 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.6004 - accuracy:

0.8708
750/750 [=====] - 1s 698us/step - loss: 0.6004 - accuracy:
0.8708 - val_loss: 0.6324 - val_accuracy: 0.8577
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.6439 - accuracy:
0.8750
91/750 [==>.....] - ETA: 0s - loss: 0.5783 - accuracy:
0.8757
177/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy:
0.8758
263/750 [=====>.....] - ETA: 0s - loss: 0.5892 - accuracy:
0.8740
349/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy:
0.8715
435/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8726
523/750 [=====>.....] - ETA: 0s - loss: 0.5964 - accuracy:
0.8723
610/750 [=====>.....] - ETA: 0s - loss: 0.6001 - accuracy:
0.8708
697/750 [=====>...] - ETA: 0s - loss: 0.5987 - accuracy:
0.8713
750/750 [=====] - 1s 710us/step - loss: 0.5991 - accuracy:
0.8712 - val_loss: 0.6279 - val_accuracy: 0.8600
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.5140 - accuracy:
0.8594
90/750 [==>.....] - ETA: 0s - loss: 0.5885 - accuracy:
0.8753
173/750 [=====>.....] - ETA: 0s - loss: 0.5939 - accuracy:
0.8730
260/750 [=====>.....] - ETA: 0s - loss: 0.6014 - accuracy:
0.8696
349/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8718
436/750 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy:
0.8720
521/750 [=====>.....] - ETA: 0s - loss: 0.5984 - accuracy:
0.8710
607/750 [=====>.....] - ETA: 0s - loss: 0.5984 - accuracy:
0.8707
688/750 [=====>...] - ETA: 0s - loss: 0.5987 - accuracy:
0.8711
750/750 [=====] - 1s 713us/step - loss: 0.5977 - accuracy:
0.8712 - val_loss: 0.6254 - val_accuracy: 0.8625
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.4781 - accuracy:

0.9375 [.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.8750
84/750 [==>.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.8750
162/750 [=====>.....] - ETA: 0s - loss: 0.5960 - accuracy: 0.8736
247/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8751
336/750 [======>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.8715
422/750 [======>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8719
509/750 [======>.....] - ETA: 0s - loss: 0.5933 - accuracy: 0.8719
597/750 [======>.....] - ETA: 0s - loss: 0.5959 - accuracy: 0.8705
684/750 [======>...] - ETA: 0s - loss: 0.5974 - accuracy: 0.8706
750/750 [=====] - 1s 721us/step - loss: 0.5968 - accuracy: 0.8706 - val_loss: 0.6257 - val_accuracy: 0.8627
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.6635 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8729
177/750 [=====>.....] - ETA: 0s - loss: 0.6022 - accuracy: 0.8729
263/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy: 0.8690
353/750 [======>.....] - ETA: 0s - loss: 0.5999 - accuracy: 0.8697
437/750 [======>.....] - ETA: 0s - loss: 0.5989 - accuracy: 0.8701
516/750 [======>.....] - ETA: 0s - loss: 0.6008 - accuracy: 0.8697
608/750 [======>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.8711
696/750 [======>...] - ETA: 0s - loss: 0.5962 - accuracy: 0.8710
750/750 [=====] - 1s 707us/step - loss: 0.5955 - accuracy: 0.8712 - val_loss: 0.6275 - val_accuracy: 0.8585
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.5024 - accuracy: 0.9062
90/750 [==>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8769
181/750 [=====>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8723
267/750 [=====>.....] - ETA: 0s - loss: 0.5978 - accuracy: 0.8723

0.8717 [=====>.....] - ETA: 0s - loss: 0.5944 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5944 - accuracy:
0.8721 [=====>.....] - ETA: 0s - loss: 0.5960 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
0.8716 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5944 - accuracy:
0.8719 [=====>..] - ETA: 0s - loss: 0.5942 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.5942 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.5942 - accuracy:
0.8716 - val_loss: 0.6255 - val_accuracy: 0.8593
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.6748 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.5934 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8709 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5913 - accuracy:
0.8694 [=====>.....] - ETA: 0s - loss: 0.5910 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.5919 - accuracy:
0.8714 [=====>.....] - ETA: 0s - loss: 0.5943 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5943 - accuracy:
0.8715 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.8722 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.8722 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.8718 [=====>..] - ETA: 0s - loss: 0.5931 - accuracy:
706/750 [=====>..] - ETA: 0s - loss: 0.5931 - accuracy:
0.8720 [=====>..] - ETA: 0s - loss: 0.5931 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.5931 - accuracy:
0.8727 - val_loss: 0.6261 - val_accuracy: 0.8580
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.5102 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.6037 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5956 - accuracy:
0.8665 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.5904 - accuracy:
0.8692 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
272/750 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
0.8708 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
0.8722 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
0.8720 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:

0.8721 [=====>.....] - ETA: 0s - loss: 0.5923 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.5923 - accuracy:
0.8720 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
699/750 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
0.8724 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
750/750 [=====] - 1s 710us/step - loss: 0.5918 - accuracy:
0.8727 - val_loss: 0.6208 - val_accuracy: 0.8629
Epoch 119/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.5934 - accuracy:
0.8785 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy:
0.8743 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
0.8739 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy:
0.8726 [=====>.....] - ETA: 0s - loss: 0.5926 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.5926 - accuracy:
0.8725 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8717 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy:
0.8725 [=====>.....] - ETA: 0s - loss: 0.5909 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.5909 - accuracy:
0.8731 [=====>.....] - ETA: 0s - loss: 0.5908 - accuracy:
750/750 [=====] - 1s 714us/step - loss: 0.5908 - accuracy:
0.8732 - val_loss: 0.6200 - val_accuracy: 0.8632
Epoch 120/220

1/750 [=====>.....] - ETA: 0s - loss: 0.7347 - accuracy:
0.7812 [=====>.....] - ETA: 0s - loss: 0.6083 - accuracy:
88/750 [=====>.....] - ETA: 0s - loss: 0.6083 - accuracy:
0.8711 [=====>.....] - ETA: 0s - loss: 0.6026 - accuracy:
172/750 [=====>.....] - ETA: 0s - loss: 0.6026 - accuracy:
0.8705 [=====>.....] - ETA: 0s - loss: 0.5975 - accuracy:
259/750 [=====>.....] - ETA: 0s - loss: 0.5975 - accuracy:
0.8734 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
0.8742 [=====>.....] - ETA: 0s - loss: 0.5903 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.5903 - accuracy:
0.8737 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy:
0.8736 [=====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
0.8734 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
694/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy:
0.8736 [=====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
750/750 [=====] - 1s 725us/step - loss: 0.5898 - accuracy:

0.8730 - val_loss: 0.6190 - val_accuracy: 0.8623
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.8281
90/750 [==>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.8703
177/750 [=====>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.8749
261/750 [=====>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.8748
346/750 [======>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8746
434/750 [======>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.8735
520/750 [======>.....] - ETA: 0s - loss: 0.5880 - accuracy: 0.8731
602/750 [======>.....] - ETA: 0s - loss: 0.5876 - accuracy: 0.8733
687/750 [======>...] - ETA: 0s - loss: 0.5868 - accuracy: 0.8736
750/750 [=====] - 1s 714us/step - loss: 0.5886 - accuracy: 0.8732 - val_loss: 0.6207 - val_accuracy: 0.8630
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.8690
177/750 [=====>.....] - ETA: 0s - loss: 0.5910 - accuracy: 0.8716
265/750 [=====>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.8720
355/750 [======>.....] - ETA: 0s - loss: 0.5886 - accuracy: 0.8722
442/750 [======>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.8726
531/750 [======>.....] - ETA: 0s - loss: 0.5886 - accuracy: 0.8726
620/750 [======>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.8720
706/750 [======>..] - ETA: 0s - loss: 0.5875 - accuracy: 0.8734
750/750 [=====] - 1s 698us/step - loss: 0.5874 - accuracy: 0.8735 - val_loss: 0.6193 - val_accuracy: 0.8608
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.5987 - accuracy:

0.8722 [=====>.....] - ETA: 0s - loss: 0.5981 - accuracy: 0.8704
254/750 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy: 0.8720
340/750 [=====>.....] - ETA: 0s - loss: 0.5850 - accuracy: 0.8747
428/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.8744
510/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8742
598/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8736
680/750 [=====>...] - ETA: 0s - loss: 0.5851 - accuracy: 0.8738
750/750 [=====>] - 1s 722us/step - loss: 0.5865 - accuracy: 0.8737 - val_loss: 0.6177 - val_accuracy: 0.8618
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.5914 - accuracy: 0.8720
178/750 [=====>.....] - ETA: 0s - loss: 0.5910 - accuracy: 0.8738
264/750 [=====>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8730
349/750 [=====>.....] - ETA: 0s - loss: 0.5880 - accuracy: 0.8735
435/750 [=====>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.8726
520/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.8731
608/750 [=====>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.8744
694/750 [=====>...] - ETA: 0s - loss: 0.5838 - accuracy: 0.8745
750/750 [=====>] - 1s 714us/step - loss: 0.5851 - accuracy: 0.8746 - val_loss: 0.6163 - val_accuracy: 0.8643
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.5473 - accuracy: 0.8281
78/750 [==>.....] - ETA: 0s - loss: 0.5976 - accuracy: 0.8712
160/750 [=====>.....] - ETA: 0s - loss: 0.5875 - accuracy: 0.8739
242/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8758
319/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy:

0.8746 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy:
409/750 [=====>.....] - ETA: 0s - loss: 0.5867 - accuracy:
0.8728 [=====>.....] - ETA: 0s - loss: 0.5865 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.5857 - accuracy:
0.8745 [=====>....] - ETA: 0s - loss: 0.5843 - accuracy:
750/750 [=====] - 1s 724us/step - loss: 0.5843 - accuracy:
0.8748 - val_loss: 0.6150 - val_accuracy: 0.8622
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.5896 - accuracy:
0.8594 [==>.....] - ETA: 0s - loss: 0.5859 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.5834 - accuracy:
181/750 [=====>.....] - ETA: 0s - loss: 0.5830 - accuracy:
0.8760 [=====>.....] - ETA: 0s - loss: 0.5841 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.5848 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.5864 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5846 - accuracy:
706/750 [=====>..] - ETA: 0s - loss: 0.5831 - accuracy:
750/750 [=====] - 1s 705us/step - loss: 0.5831 - accuracy:
0.8740 - val_loss: 0.6152 - val_accuracy: 0.8639
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.6552 - accuracy:
0.7656 [==>.....] - ETA: 0s - loss: 0.5729 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.5723 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.5777 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5797 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.5807 - accuracy:
613/750 [=====>.....] - ETA: 0s - loss: 0.5807 - accuracy:

0.8755 [=====] - ETA: 0s - loss: 0.5814 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.5814 - accuracy:
0.8752 [=====] - ETA: 0s - loss: 0.5814 - accuracy:
750/750 [=====] - 1s 705us/step - loss: 0.5819 - accuracy:
0.8752 - val_loss: 0.6131 - val_accuracy: 0.8633
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.5965 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5965 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5829 - accuracy:
0.8733 [.....] - ETA: 0s - loss: 0.5829 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5749 - accuracy:
0.8747 [.....] - ETA: 0s - loss: 0.5749 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.5733 - accuracy:
0.8755 [.....] - ETA: 0s - loss: 0.5733 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy:
0.8759 [.....] - ETA: 0s - loss: 0.5750 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5739 - accuracy:
0.8765 [.....] - ETA: 0s - loss: 0.5739 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5779 - accuracy:
0.8754 [.....] - ETA: 0s - loss: 0.5779 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.5786 - accuracy:
0.8756 [.....] - ETA: 0s - loss: 0.5786 - accuracy:
710/750 [=====>..] - ETA: 0s - loss: 0.5810 - accuracy:
0.8749 [.....] - ETA: 0s - loss: 0.5810 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.5809 - accuracy:
0.8751 - val_loss: 0.6147 - val_accuracy: 0.8642
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.4103 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.4103 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.5908 - accuracy:
0.8716 [.....] - ETA: 0s - loss: 0.5908 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.5794 - accuracy:
0.8749 [.....] - ETA: 0s - loss: 0.5794 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.5824 - accuracy:
0.8762 [.....] - ETA: 0s - loss: 0.5824 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.5830 - accuracy:
0.8755 [.....] - ETA: 0s - loss: 0.5830 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.5813 - accuracy:
0.8759 [.....] - ETA: 0s - loss: 0.5813 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.5811 - accuracy:
0.8757 [.....] - ETA: 0s - loss: 0.5811 - accuracy:
609/750 [=====>.....] - ETA: 0s - loss: 0.5798 - accuracy:
0.8763 [.....] - ETA: 0s - loss: 0.5798 - accuracy:
696/750 [=====>...] - ETA: 0s - loss: 0.5805 - accuracy:
0.8759 [.....] - ETA: 0s - loss: 0.5805 - accuracy:
750/750 [=====] - 1s 713us/step - loss: 0.5795 - accuracy:
0.8760 - val_loss: 0.6113 - val_accuracy: 0.8630
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.5491 - accuracy: 0.8594
89/750 [==>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.8764
173/750 [=====>.....] - ETA: 0s - loss: 0.5796 - accuracy: 0.8758
259/750 [=====>.....] - ETA: 0s - loss: 0.5766 - accuracy: 0.8761
347/750 [======>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.8763
434/750 [======>.....] - ETA: 0s - loss: 0.5718 - accuracy: 0.8770
519/750 [======>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.8753
606/750 [======>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.8760
686/750 [======>...] - ETA: 0s - loss: 0.5780 - accuracy: 0.8753
750/750 [=====] - 1s 722us/step - loss: 0.5787 - accuracy: 0.8755 - val_loss: 0.6108 - val_accuracy: 0.8643
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.4906 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.8750
175/750 [=====>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8729
264/750 [=====>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.8735
355/750 [======>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.8749
441/750 [======>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.8750
527/750 [======>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.8746
616/750 [======>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.8762
705/750 [======>..] - ETA: 0s - loss: 0.5776 - accuracy: 0.8762
750/750 [=====] - 1s 701us/step - loss: 0.5778 - accuracy: 0.8761 - val_loss: 0.6152 - val_accuracy: 0.8644
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.8810
179/750 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:

0.8799 [.....] - ETA: 0s - loss: 0.5701 - accuracy: 0.8800
267/750 [=====>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.8786
357/750 [=====>.....] - ETA: 0s - loss: 0.5734 - accuracy: 0.8774
444/750 [=====>.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.8768
531/750 [=====>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.8771
614/750 [=====>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.8769
704/750 [=====>..] - ETA: 0s - loss: 0.5763 - accuracy: 0.8772
750/750 [=====] - 1s 708us/step - loss: 0.5763 - accuracy: 0.8772 - val_loss: 0.6099 - val_accuracy: 0.8625
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.8125
86/750 [==>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.8832
172/750 [====>.....] - ETA: 0s - loss: 0.5687 - accuracy: 0.8781
259/750 [=====>.....] - ETA: 0s - loss: 0.5695 - accuracy: 0.8786
345/750 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.8788
436/750 [=====>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8773
522/750 [=====>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.8760
613/750 [=====>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.8759
704/750 [=====>..] - ETA: 0s - loss: 0.5759 - accuracy: 0.8770
750/750 [=====] - 1s 700us/step - loss: 0.5756 - accuracy: 0.8770 - val_loss: 0.6100 - val_accuracy: 0.8645
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8780
179/750 [====>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.8780
271/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8785
357/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8797
448/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:

0.8787 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
533/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
0.8771 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
709/750 [=====>..] - ETA: 0s - loss: 0.5752 - accuracy:
0.8763 [=====] - ETA: 0s - loss: 0.5752 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.5745 - accuracy:
0.8765 - val_loss: 0.6084 - val_accuracy: 0.8662
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.5967 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5967 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8776 [==>.....] - ETA: 0s - loss: 0.5731 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy:
0.8799 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy:
0.8792 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
0.8803 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy:
0.8803 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy:
0.8788 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy:
623/750 [=====>.....] - ETA: 0s - loss: 0.5704 - accuracy:
0.8785 [=====>.....] - ETA: 0s - loss: 0.5704 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.5717 - accuracy:
0.8783 [=====>..] - ETA: 0s - loss: 0.5717 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.5733 - accuracy:
0.8775 - val_loss: 0.6066 - val_accuracy: 0.8652
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.5157 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5157 - accuracy:
92/750 [==>.....] - ETA: 0s - loss: 0.5654 - accuracy:
0.8815 [==>.....] - ETA: 0s - loss: 0.5654 - accuracy:
182/750 [=====>.....] - ETA: 0s - loss: 0.5703 - accuracy:
0.8805 [=====>.....] - ETA: 0s - loss: 0.5703 - accuracy:
271/750 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8796 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.8799 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy:
0.8796 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy:
0.8794 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
0.8785 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.5726 - accuracy:

0.8775
750/750 [=====] - 1s 701us/step - loss: 0.5723 - accuracy:
0.8779 - val_loss: 0.6069 - val_accuracy: 0.8648
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.5492 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5590 - accuracy:
0.8822
177/750 [=====>.....] - ETA: 0s - loss: 0.5673 - accuracy:
0.8799
263/750 [=====>.....] - ETA: 0s - loss: 0.5707 - accuracy:
0.8774
352/750 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8776
438/750 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
0.8775
525/750 [=====>.....] - ETA: 0s - loss: 0.5703 - accuracy:
0.8780
617/750 [=====>.....] - ETA: 0s - loss: 0.5718 - accuracy:
0.8771
703/750 [=====>..] - ETA: 0s - loss: 0.5708 - accuracy:
0.8772
750/750 [=====] - 1s 700us/step - loss: 0.5715 - accuracy:
0.8772 - val_loss: 0.6078 - val_accuracy: 0.8651
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.4862 - accuracy:
0.9062
91/750 [==>.....] - ETA: 0s - loss: 0.5704 - accuracy:
0.8767
182/750 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
0.8781
266/750 [=====>.....] - ETA: 0s - loss: 0.5733 - accuracy:
0.8771
353/750 [=====>.....] - ETA: 0s - loss: 0.5733 - accuracy:
0.8770
440/750 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8777
528/750 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
0.8774
615/750 [=====>.....] - ETA: 0s - loss: 0.5719 - accuracy:
0.8772
700/750 [=====>..] - ETA: 0s - loss: 0.5717 - accuracy:
0.8773
750/750 [=====] - 1s 709us/step - loss: 0.5704 - accuracy:
0.8779 - val_loss: 0.6061 - val_accuracy: 0.8648
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.3889 - accuracy:

0.9688
88/750 [==>.....] - ETA: 0s - loss: 0.5621 - accuracy: 0.8801
177/750 [=====>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.8796
262/750 [=====>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.8792
349/750 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.8768
438/750 [=====>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.8770
522/750 [=====>.....] - ETA: 0s - loss: 0.5703 - accuracy: 0.8772
610/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.8772
696/750 [=====>...] - ETA: 0s - loss: 0.5704 - accuracy: 0.8778
750/750 [=====>] - 1s 709us/step - loss: 0.5694 - accuracy: 0.8778 - val_loss: 0.6058 - val_accuracy: 0.8657
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.5240 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.5696 - accuracy: 0.8803
176/750 [=====>.....] - ETA: 0s - loss: 0.5718 - accuracy: 0.8762
264/750 [=====>.....] - ETA: 0s - loss: 0.5714 - accuracy: 0.8770
353/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8781
440/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8781
525/750 [=====>.....] - ETA: 0s - loss: 0.5687 - accuracy: 0.8787
614/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.8788
701/750 [=====>..] - ETA: 0s - loss: 0.5694 - accuracy: 0.8785
750/750 [=====>] - 1s 703us/step - loss: 0.5687 - accuracy: 0.8785 - val_loss: 0.6041 - val_accuracy: 0.8658
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.5088 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5771 - accuracy: 0.8728
176/750 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8778
267/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:

0.8749 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5629 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy:
0.8791 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
0.8791 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
713/750 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
0.8789 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.5676 - accuracy:
0.8785 - val_loss: 0.6031 - val_accuracy: 0.8652
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.5733 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy:
89/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5745 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.5711 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy:
0.8758 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
0.8773 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
710/750 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
0.8793 [=====>.....] - ETA: 0s - loss: 0.5665 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.5665 - accuracy:
0.8796 - val_loss: 0.6029 - val_accuracy: 0.8651
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.6429 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.5788 - accuracy:
92/750 [=====>.....] - ETA: 0s - loss: 0.5745 - accuracy:
0.8736 [=====>.....] - ETA: 0s - loss: 0.5679 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5693 - accuracy:
0.8769 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.8780 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
0.8782 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy:

0.8776 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
0.8790 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
698/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8790 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
750/750 [=====] - 1s 709us/step - loss: 0.5658 - accuracy:
0.8791 - val_loss: 0.6015 - val_accuracy: 0.8663
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.5719 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5719 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.5586 - accuracy:
0.8789 [==>.....] - ETA: 0s - loss: 0.5586 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.5693 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.5693 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5704 - accuracy:
0.8757 [=====>.....] - ETA: 0s - loss: 0.5704 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8769 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
0.8772 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy:
707/750 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
0.8789 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.5647 - accuracy:
0.8788 - val_loss: 0.6001 - val_accuracy: 0.8661
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.5677 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5677 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8834 [==>.....] - ETA: 0s - loss: 0.5664 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy:
261/750 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.5620 - accuracy:
0.8817 [=====>.....] - ETA: 0s - loss: 0.5620 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy:
0.8808 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy:
691/750 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
0.8795 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
750/750 [=====] - 1s 718us/step - loss: 0.5634 - accuracy:

0.8798 - val_loss: 0.6020 - val_accuracy: 0.8662
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.7416 - accuracy:
0.7969
86/750 [==>.....] - ETA: 0s - loss: 0.5575 - accuracy:
0.8814
168/750 [=====>.....] - ETA: 0s - loss: 0.5589 - accuracy:
0.8819
252/750 [======>.....] - ETA: 0s - loss: 0.5593 - accuracy:
0.8813
339/750 [======>.....] - ETA: 0s - loss: 0.5624 - accuracy:
0.8798
419/750 [======>.....] - ETA: 0s - loss: 0.5642 - accuracy:
0.8793
504/750 [======>.....] - ETA: 0s - loss: 0.5645 - accuracy:
0.8797
580/750 [======>.....] - ETA: 0s - loss: 0.5636 - accuracy:
0.8792
660/750 [======>....] - ETA: 0s - loss: 0.5636 - accuracy:
0.8795
737/750 [======>.] - ETA: 0s - loss: 0.5625 - accuracy:
0.8796
750/750 [=====] - 1s 756us/step - loss: 0.5627 - accuracy:
0.8795 - val_loss: 0.5982 - val_accuracy: 0.8660
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.4571 - accuracy:
0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.5546 - accuracy:
0.8819
164/750 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy:
0.8798
249/750 [======>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8818
332/750 [======>.....] - ETA: 0s - loss: 0.5580 - accuracy:
0.8811
414/750 [======>.....] - ETA: 0s - loss: 0.5581 - accuracy:
0.8807
493/750 [======>.....] - ETA: 0s - loss: 0.5580 - accuracy:
0.8807
582/750 [======>.....] - ETA: 0s - loss: 0.5574 - accuracy:
0.8816
668/750 [======>....] - ETA: 0s - loss: 0.5601 - accuracy:
0.8808
750/750 [=====] - 1s 732us/step - loss: 0.5616 - accuracy:
0.8804 - val_loss: 0.5989 - val_accuracy: 0.8667
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.6736 - accuracy:

0.8796 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.8819
430/750 [=====>.....] - ETA: 0s - loss: 0.5576 - accuracy: 0.8818
517/750 [=====>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.8816
605/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8801
690/750 [=====>...] - ETA: 0s - loss: 0.5591 - accuracy: 0.8806
750/750 [=====] - 1s 724us/step - loss: 0.5590 - accuracy: 0.8807 - val_loss: 0.5949 - val_accuracy: 0.8685
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.5523 - accuracy: 0.8833
174/750 [====>.....] - ETA: 0s - loss: 0.5535 - accuracy: 0.8818
257/750 [=====>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.8809
333/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.8810
419/750 [=====>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.8825
504/750 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy: 0.8836
591/750 [=====>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.8831
672/750 [=====>...] - ETA: 0s - loss: 0.5574 - accuracy: 0.8821
745/750 [=====>.] - ETA: 0s - loss: 0.5579 - accuracy: 0.8815
750/750 [=====] - 1s 744us/step - loss: 0.5578 - accuracy: 0.8814 - val_loss: 0.5977 - val_accuracy: 0.8676
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.5645 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.8804
179/750 [====>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.8824
260/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8827
343/750 [=====>.....] - ETA: 0s - loss: 0.5585 - accuracy: 0.8815
421/750 [=====>.....] - ETA: 0s - loss: 0.5593 - accuracy:

0.8810 [=====>.....] - ETA: 0s - loss: 0.5576 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy:
0.8812 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.5569 - accuracy:
0.8809 [=====>....] - ETA: 0s - loss: 0.5571 - accuracy:
661/750 [=====>....] - ETA: 0s - loss: 0.5571 - accuracy:
0.8803 [=====>.] - ETA: 0s - loss: 0.5571 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.5571 - accuracy:
0.8809 [=====] - 1s 757us/step - loss: 0.5571 - accuracy:
750/750 [=====] - 1s 757us/step - loss: 0.5571 - accuracy:
0.8808 - val_loss: 0.5959 - val_accuracy: 0.8674
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.4310 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5706 - accuracy:
82/750 [==>.....] - ETA: 0s - loss: 0.5645 - accuracy:
0.8784 [==>.....] - ETA: 0s - loss: 0.5598 - accuracy:
161/750 [====>.....] - ETA: 0s - loss: 0.5610 - accuracy:
0.8782 [====>.....] - ETA: 0s - loss: 0.5609 - accuracy:
245/750 [=====>.....] - ETA: 0s - loss: 0.5592 - accuracy:
0.8795 [=====>.....] - ETA: 0s - loss: 0.5605 - accuracy:
333/750 [=====>.....] - ETA: 0s - loss: 0.5582 - accuracy:
0.8803 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
418/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8802 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8810 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8802 [=====>....] - ETA: 0s - loss: 0.5560 - accuracy:
684/750 [=====>....] - ETA: 0s - loss: 0.5560 - accuracy:
0.8812 [=====>....] - ETA: 0s - loss: 0.5560 - accuracy:
750/750 [=====>....] - 1s 717us/step - loss: 0.5560 - accuracy:
0.8816 - val_loss: 0.5935 - val_accuracy: 0.8687
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.6983 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.5464 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.5495 - accuracy:
0.8869 [==>.....] - ETA: 0s - loss: 0.5575 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.5568 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy:
0.8815 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
342/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
425/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.8807 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.8820 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:

0.8825 [=====] - ETA: 0s - loss: 0.5541 - accuracy:
682/750 [=====>...] - ETA: 0s - loss: 0.5541 - accuracy:
0.8819 [=====] - ETA: 0s - loss: 0.5541 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.5554 - accuracy:
0.8817 - val_loss: 0.5928 - val_accuracy: 0.8683
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.4504 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.4504 - accuracy:
82/750 [==>.....] - ETA: 0s - loss: 0.5529 - accuracy:
0.8843 [.....] - ETA: 0s - loss: 0.5529 - accuracy:
170/750 [====>.....] - ETA: 0s - loss: 0.5510 - accuracy:
0.8823 [.....] - ETA: 0s - loss: 0.5510 - accuracy:
250/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8831 [.....] - ETA: 0s - loss: 0.5509 - accuracy:
336/750 [=====>.....] - ETA: 0s - loss: 0.5479 - accuracy:
0.8840 [.....] - ETA: 0s - loss: 0.5479 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
0.8835 [.....] - ETA: 0s - loss: 0.5489 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.5505 - accuracy:
0.8829 [.....] - ETA: 0s - loss: 0.5505 - accuracy:
602/750 [=====>.....] - ETA: 0s - loss: 0.5532 - accuracy:
0.8820 [.....] - ETA: 0s - loss: 0.5532 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.5543 - accuracy:
0.8816 [=====] - ETA: 0s - loss: 0.5543 - accuracy:
750/750 [=====] - 1s 710us/step - loss: 0.5542 - accuracy:
0.8819 - val_loss: 0.5946 - val_accuracy: 0.8670
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.6559 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6559 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.5734 - accuracy:
0.8718 [.....] - ETA: 0s - loss: 0.5734 - accuracy:
178/750 [====>.....] - ETA: 0s - loss: 0.5657 - accuracy:
0.8766 [.....] - ETA: 0s - loss: 0.5657 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy:
0.8793 [.....] - ETA: 0s - loss: 0.5579 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5556 - accuracy:
0.8805 [.....] - ETA: 0s - loss: 0.5556 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5544 - accuracy:
0.8810 [.....] - ETA: 0s - loss: 0.5544 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 0.5547 - accuracy:
0.8811 [.....] - ETA: 0s - loss: 0.5547 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
0.8810 [.....] - ETA: 0s - loss: 0.5550 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.5547 - accuracy:
0.8816 [=====] - ETA: 0s - loss: 0.5547 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.5534 - accuracy:
0.8824 - val_loss: 0.5954 - val_accuracy: 0.8658
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.5355 - accuracy: 0.8750
91/750 [==>.....] - ETA: 0s - loss: 0.5622 - accuracy: 0.8771
177/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.8809
264/750 [=====>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.8828
352/750 [======>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.8827
440/750 [======>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.8826
532/750 [======>.....] - ETA: 0s - loss: 0.5529 - accuracy: 0.8819
619/750 [======>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.8818
708/750 [======>..] - ETA: 0s - loss: 0.5522 - accuracy: 0.8823
750/750 [=====] - 1s 701us/step - loss: 0.5527 - accuracy: 0.8819 - val_loss: 0.5916 - val_accuracy: 0.8677
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.3821 - accuracy: 0.9531
91/750 [==>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.8802
179/750 [=====>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.8798
269/750 [=====>.....] - ETA: 0s - loss: 0.5558 - accuracy: 0.8807
360/750 [======>.....] - ETA: 0s - loss: 0.5554 - accuracy: 0.8809
446/750 [======>.....] - ETA: 0s - loss: 0.5576 - accuracy: 0.8796
536/750 [======>.....] - ETA: 0s - loss: 0.5554 - accuracy: 0.8801
623/750 [======>.....] - ETA: 0s - loss: 0.5530 - accuracy: 0.8811
711/750 [======>..] - ETA: 0s - loss: 0.5525 - accuracy: 0.8814
750/750 [=====] - 1s 701us/step - loss: 0.5515 - accuracy: 0.8821 - val_loss: 0.5902 - val_accuracy: 0.8701
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.6142 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8763
176/750 [=====>.....] - ETA: 0s - loss: 0.5541 - accuracy:

0.8795 [.....] - ETA: 0s - loss: 0.5578 - accuracy: 0.8803
266/750 [=====>.....] - ETA: 0s - loss: 0.5551 - accuracy: 0.8808
358/750 [=====>.....] - ETA: 0s - loss: 0.5495 - accuracy: 0.8829
444/750 [=====>.....] - ETA: 0s - loss: 0.5505 - accuracy: 0.8825
533/750 [=====>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.8819
622/750 [=====>.....] - ETA: 0s - loss: 0.5502 - accuracy: 0.8822
709/750 [=====>..] - ETA: 0s - loss: 0.5509 - accuracy: 0.8821
750/750 [=====] - 1s 698us/step - loss: 0.5509 - accuracy: 0.8821 - val_loss: 0.5900 - val_accuracy: 0.8670
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.5187 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.8813
179/750 [=====>.....] - ETA: 0s - loss: 0.5627 - accuracy: 0.8773
267/750 [=====>.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.8796
356/750 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy: 0.8804
444/750 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy: 0.8813
533/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy: 0.8836
624/750 [=====>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.8835
713/750 [=====>..] - ETA: 0s - loss: 0.5494 - accuracy: 0.8827
750/750 [=====] - 1s 697us/step - loss: 0.5501 - accuracy: 0.8824 - val_loss: 0.5905 - val_accuracy: 0.8664
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.8438
86/750 [==>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.8848
177/750 [=====>.....] - ETA: 0s - loss: 0.5478 - accuracy: 0.8846
266/750 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy: 0.8835
353/750 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy: 0.8832
441/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.8832

0.8842 [=====>.....] - ETA: 0s - loss: 0.5478 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.5478 - accuracy:
0.8838 [=====>.....] - ETA: 0s - loss: 0.5494 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5494 - accuracy:
0.8835 [=====>.....] - ETA: 0s - loss: 0.5488 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.5488 - accuracy:
0.8830 [=====] - 1s 698us/step - loss: 0.5494 - accuracy:
750/750 [=====] - 1s 698us/step - loss: 0.5494 - accuracy:
0.8825 - val_loss: 0.5891 - val_accuracy: 0.8693
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.5578 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
88/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy:
177/750 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.5408 - accuracy:
264/750 [=====>.....] - ETA: 0s - loss: 0.5408 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5416 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.5416 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5437 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5437 - accuracy:
0.8861 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy:
0.8842 [=====>.....] - ETA: 0s - loss: 0.5471 - accuracy:
615/750 [=====>.....] - ETA: 0s - loss: 0.5471 - accuracy:
0.8843 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.5468 - accuracy:
0.8843 [=====] - 1s 700us/step - loss: 0.5480 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.5480 - accuracy:
0.8835 - val_loss: 0.5879 - val_accuracy: 0.8690
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.5779 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.5477 - accuracy:
88/750 [=====>.....] - ETA: 0s - loss: 0.5477 - accuracy:
0.8835 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8844 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8846 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy:
0.8842 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy:
526/750 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy:
0.8839 [=====>.....] - ETA: 0s - loss: 0.5470 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.5470 - accuracy:
0.8839 [=====>..] - ETA: 0s - loss: 0.5472 - accuracy:
703/750 [=====>..] - ETA: 0s - loss: 0.5472 - accuracy:

0.8837
750/750 [=====] - 1s 701us/step - loss: 0.5475 - accuracy:
0.8837 - val_loss: 0.5873 - val_accuracy: 0.8706
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.6221 - accuracy:
0.8750
91/750 [==>.....] - ETA: 0s - loss: 0.5559 - accuracy:
0.8776
182/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8807
270/750 [=====>.....] - ETA: 0s - loss: 0.5530 - accuracy:
0.8799
359/750 [=====>.....] - ETA: 0s - loss: 0.5473 - accuracy:
0.8834
447/750 [=====>.....] - ETA: 0s - loss: 0.5484 - accuracy:
0.8823
536/750 [=====>.....] - ETA: 0s - loss: 0.5474 - accuracy:
0.8837
624/750 [=====>.....] - ETA: 0s - loss: 0.5463 - accuracy:
0.8839
714/750 [=====>..] - ETA: 0s - loss: 0.5463 - accuracy:
0.8838
750/750 [=====] - 1s 692us/step - loss: 0.5464 - accuracy:
0.8838 - val_loss: 0.5872 - val_accuracy: 0.8692
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.4135 - accuracy:
0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.5566 - accuracy:
0.8832
171/750 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
0.8815
256/750 [=====>.....] - ETA: 0s - loss: 0.5450 - accuracy:
0.8839
341/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy:
0.8859
429/750 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy:
0.8846
512/750 [=====>.....] - ETA: 0s - loss: 0.5473 - accuracy:
0.8836
599/750 [=====>.....] - ETA: 0s - loss: 0.5461 - accuracy:
0.8837
687/750 [=====>...] - ETA: 0s - loss: 0.5444 - accuracy:
0.8845
750/750 [=====] - 1s 718us/step - loss: 0.5457 - accuracy:
0.8839 - val_loss: 0.5860 - val_accuracy: 0.8692
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.4753 - accuracy:

0.8750 [.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.8814
86/750 [==>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.8814
172/750 [=====>.....] - ETA: 0s - loss: 0.5481 - accuracy: 0.8830
259/750 [=====>.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.8862
344/750 [======>.....] - ETA: 0s - loss: 0.5465 - accuracy: 0.8844
433/750 [======>.....] - ETA: 0s - loss: 0.5488 - accuracy: 0.8835
517/750 [======>.....] - ETA: 0s - loss: 0.5478 - accuracy: 0.8834
603/750 [======>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.8839
690/750 [======>...] - ETA: 0s - loss: 0.5441 - accuracy: 0.8839
750/750 [=====] - 1s 716us/step - loss: 0.5446 - accuracy: 0.8837 - val_loss: 0.5866 - val_accuracy: 0.8688
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.5497 - accuracy: 0.8842
173/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.8904
259/750 [=====>.....] - ETA: 0s - loss: 0.5433 - accuracy: 0.8865
344/750 [======>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.8867
433/750 [======>.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.8855
520/750 [======>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.8843
607/750 [======>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.8841
696/750 [======>...] - ETA: 0s - loss: 0.5439 - accuracy: 0.8843
750/750 [=====] - 1s 713us/step - loss: 0.5439 - accuracy: 0.8844 - val_loss: 0.5895 - val_accuracy: 0.8684
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.7969
86/750 [==>.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.8908
175/750 [=====>.....] - ETA: 0s - loss: 0.5419 - accuracy: 0.8850
264/750 [=====>.....] - ETA: 0s - loss: 0.5399 - accuracy: 0.8850

0.8858 [=====>.....] - ETA: 0s - loss: 0.5419 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.5419 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.5429 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5429 - accuracy:
0.8850 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy:
0.8840 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8846 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.5439 - accuracy:
0.8849 [=====>...] - ETA: 0s - loss: 0.5428 - accuracy:
750/750 [=====] - 1s 717us/step - loss: 0.5428 - accuracy:
0.8851 - val_loss: 0.5893 - val_accuracy: 0.8681
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.5615 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5582 - accuracy:
85/750 [=====>.....] - ETA: 0s - loss: 0.5463 - accuracy:
0.8792 [=====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
172/750 [=====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
0.8827 [=====>.....] - ETA: 0s - loss: 0.5507 - accuracy:
260/750 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy:
0.8814 [=====>.....] - ETA: 0s - loss: 0.5441 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.5441 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy:
0.8835 [=====>.....] - ETA: 0s - loss: 0.5441 - accuracy:
606/750 [=====>.....] - ETA: 0s - loss: 0.5441 - accuracy:
0.8837 [=====>...] - ETA: 0s - loss: 0.5422 - accuracy:
695/750 [=====>...] - ETA: 0s - loss: 0.5422 - accuracy:
0.8833 [=====] - 1s 716us/step - loss: 0.5422 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.5422 - accuracy:
0.8843 - val_loss: 0.5837 - val_accuracy: 0.8702
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.3860 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.5483 - accuracy:
86/750 [=====>.....] - ETA: 0s - loss: 0.5418 - accuracy:
0.8866 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
170/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5397 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.5397 - accuracy:
0.8865 [=====>.....] - ETA: 0s - loss: 0.5394 - accuracy:
344/750 [=====>.....] - ETA: 0s - loss: 0.5394 - accuracy:
0.8862 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.5405 - accuracy:

0.8850 [=====>.....] - ETA: 0s - loss: 0.5409 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.5418 - accuracy:
0.8851 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy:
0.8843 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy:
750/750 [=====] - 1s 722us/step - loss: 0.5414 - accuracy:
0.8845 - val_loss: 0.5856 - val_accuracy: 0.8684
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.5561 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5191 - accuracy:
88/750 [=====>.....] - ETA: 0s - loss: 0.5353 - accuracy:
0.8938 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.8871 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5392 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.5401 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8861 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8861 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
703/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8849 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.5402 - accuracy:
0.8849 - val_loss: 0.5856 - val_accuracy: 0.8697
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.4876 - accuracy:
0.9219 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy:
93/750 [=====>.....] - ETA: 0s - loss: 0.5406 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5429 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
0.8865 [=====>.....] - ETA: 0s - loss: 0.5421 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.8851 [=====>.....] - ETA: 0s - loss: 0.5407 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8839 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8852 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8850 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
704/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8847 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
750/750 [=====] - 1s 702us/step - loss: 0.5398 - accuracy:

0.8852 - val_loss: 0.5816 - val_accuracy: 0.8717
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.8438
90/750 [==>.....] - ETA: 0s - loss: 0.5352 - accuracy: 0.8863
180/750 [=====>.....] - ETA: 0s - loss: 0.5353 - accuracy: 0.8867
268/750 [=====>.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.8853
357/750 [======>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.8862
446/750 [======>.....] - ETA: 0s - loss: 0.5362 - accuracy: 0.8871
534/750 [======>.....] - ETA: 0s - loss: 0.5406 - accuracy: 0.8857
626/750 [======>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.8861
712/750 [======>..] - ETA: 0s - loss: 0.5395 - accuracy: 0.8859
750/750 [=====] - 1s 698us/step - loss: 0.5387 - accuracy: 0.8860 - val_loss: 0.5875 - val_accuracy: 0.8700
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.4806 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.5311 - accuracy: 0.8908
176/750 [=====>.....] - ETA: 0s - loss: 0.5315 - accuracy: 0.8904
263/750 [=====>.....] - ETA: 0s - loss: 0.5352 - accuracy: 0.8875
349/750 [======>.....] - ETA: 0s - loss: 0.5354 - accuracy: 0.8872
437/750 [======>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.8858
523/750 [======>.....] - ETA: 0s - loss: 0.5377 - accuracy: 0.8862
612/750 [======>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8854
700/750 [======>..] - ETA: 0s - loss: 0.5386 - accuracy: 0.8854
750/750 [=====] - 1s 704us/step - loss: 0.5381 - accuracy: 0.8854 - val_loss: 0.5821 - val_accuracy: 0.8707
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.5237 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.5463 - accuracy:

0.8815 [.....] - ETA: 0s - loss: 0.5482 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5482 - accuracy:
0.8805 [.....] - ETA: 0s - loss: 0.5436 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy:
0.8839 [.....] - ETA: 0s - loss: 0.5439 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8834 [.....] - ETA: 0s - loss: 0.5406 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.5406 - accuracy:
0.8846 [.....] - ETA: 0s - loss: 0.5396 - accuracy:
539/750 [=====>.....] - ETA: 0s - loss: 0.5396 - accuracy:
0.8854 [.....] - ETA: 0s - loss: 0.5376 - accuracy:
628/750 [=====>.....] - ETA: 0s - loss: 0.5376 - accuracy:
0.8860 [.....] - ETA: 0s - loss: 0.5362 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.5362 - accuracy:
0.8863 [.....] - ETA: 0s - loss: 0.5369 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.5369 - accuracy:
0.8861 - val_loss: 0.5802 - val_accuracy: 0.8695
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.5739 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5270 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.8870 [.....] - ETA: 0s - loss: 0.5354 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8863 [.....] - ETA: 0s - loss: 0.5380 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.5380 - accuracy:
0.8860 [.....] - ETA: 0s - loss: 0.5338 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy:
0.8877 [.....] - ETA: 0s - loss: 0.5365 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5365 - accuracy:
0.8862 [.....] - ETA: 0s - loss: 0.5377 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.5377 - accuracy:
0.8854 [.....] - ETA: 0s - loss: 0.5366 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5366 - accuracy:
0.8862 [.....] - ETA: 0s - loss: 0.5354 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.5354 - accuracy:
0.8861 [.....] - ETA: 0s - loss: 0.5363 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.5363 - accuracy:
0.8856 - val_loss: 0.5800 - val_accuracy: 0.8701
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.5864 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5294 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.5294 - accuracy:
0.8848 [.....] - ETA: 0s - loss: 0.5360 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5360 - accuracy:
0.8837 [.....] - ETA: 0s - loss: 0.5379 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5379 - accuracy:
0.8848 [.....] - ETA: 0s - loss: 0.5343 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5343 - accuracy:

0.8858
444/750 [=====>.....] - ETA: 0s - loss: 0.5342 - accuracy:
0.8859
532/750 [=====>.....] - ETA: 0s - loss: 0.5349 - accuracy:
0.8859
618/750 [=====>.....] - ETA: 0s - loss: 0.5345 - accuracy:
0.8859
702/750 [=====>..] - ETA: 0s - loss: 0.5361 - accuracy:
0.8854
750/750 [=====] - 1s 705us/step - loss: 0.5356 - accuracy:
0.8861 - val_loss: 0.5806 - val_accuracy: 0.8702
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.4203 - accuracy:
0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.5082 - accuracy:
0.8953
175/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy:
0.8905
260/750 [=====>.....] - ETA: 0s - loss: 0.5289 - accuracy:
0.8894
350/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8884
437/750 [=====>.....] - ETA: 0s - loss: 0.5309 - accuracy:
0.8884
525/750 [=====>.....] - ETA: 0s - loss: 0.5330 - accuracy:
0.8874
612/750 [=====>.....] - ETA: 0s - loss: 0.5340 - accuracy:
0.8871
701/750 [=====>..] - ETA: 0s - loss: 0.5339 - accuracy:
0.8873
750/750 [=====] - 1s 702us/step - loss: 0.5350 - accuracy:
0.8869 - val_loss: 0.5780 - val_accuracy: 0.8721
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.4689 - accuracy:
0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.5139 - accuracy:
0.8962
174/750 [=====>.....] - ETA: 0s - loss: 0.5214 - accuracy:
0.8911
263/750 [=====>.....] - ETA: 0s - loss: 0.5239 - accuracy:
0.8902
352/750 [=====>.....] - ETA: 0s - loss: 0.5319 - accuracy:
0.8870
443/750 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
0.8873
530/750 [=====>.....] - ETA: 0s - loss: 0.5320 - accuracy:
0.8868
619/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy:

0.8855 [.....] - ETA: 0s - loss: 0.5333 - accuracy:
710/750 [=====>..] - ETA: 0s - loss: 0.5333 - accuracy:
0.8859 [.....] - ETA: 0s - loss: 0.5333 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.5339 - accuracy:
0.8859 - val_loss: 0.5785 - val_accuracy: 0.8698
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.4847 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5260 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.5260 - accuracy:
0.8892 [.....] - ETA: 0s - loss: 0.5337 - accuracy:
173/750 [=====>.....] - ETA: 0s - loss: 0.5337 - accuracy:
0.8857 [.....] - ETA: 0s - loss: 0.5331 - accuracy:
262/750 [=====>.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.8860 [.....] - ETA: 0s - loss: 0.5357 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8849 [.....] - ETA: 0s - loss: 0.5352 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5352 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.5360 - accuracy:
528/750 [=====>.....] - ETA: 0s - loss: 0.5360 - accuracy:
0.8848 [.....] - ETA: 0s - loss: 0.5348 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5348 - accuracy:
0.8857 [.....] - ETA: 0s - loss: 0.5331 - accuracy:
704/750 [=====>..] - ETA: 0s - loss: 0.5331 - accuracy:
0.8869 [.....] - ETA: 0s - loss: 0.5332 - accuracy:
750/750 [=====] - 1s 702us/step - loss: 0.5332 - accuracy:
0.8869 - val_loss: 0.5783 - val_accuracy: 0.8711
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.6078 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5589 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5589 - accuracy:
0.8813 [.....] - ETA: 0s - loss: 0.5455 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy:
0.8839 [.....] - ETA: 0s - loss: 0.5406 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5406 - accuracy:
0.8834 [.....] - ETA: 0s - loss: 0.5360 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.5360 - accuracy:
0.8857 [.....] - ETA: 0s - loss: 0.5368 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.5368 - accuracy:
0.8850 [.....] - ETA: 0s - loss: 0.5346 - accuracy:
530/750 [=====>.....] - ETA: 0s - loss: 0.5346 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.5345 - accuracy:
618/750 [=====>.....] - ETA: 0s - loss: 0.5345 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.5326 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.5326 - accuracy:
0.8864 [.....] - ETA: 0s - loss: 0.5326 - accuracy:
750/750 [=====] - 1s 701us/step - loss: 0.5326 - accuracy:
0.8861 - val_loss: 0.5789 - val_accuracy: 0.8697
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.4937 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.8908
176/750 [=====>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.8892
264/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.8877
354/750 [======>.....] - ETA: 0s - loss: 0.5326 - accuracy: 0.8867
442/750 [======>.....] - ETA: 0s - loss: 0.5315 - accuracy: 0.8874
529/750 [======>.....] - ETA: 0s - loss: 0.5302 - accuracy: 0.8873
617/750 [======>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.8868
704/750 [======>..] - ETA: 0s - loss: 0.5322 - accuracy: 0.8873
750/750 [=====] - 1s 700us/step - loss: 0.5315 - accuracy: 0.8874 - val_loss: 0.5779 - val_accuracy: 0.8709
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.5306 - accuracy: 0.8885
176/750 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy: 0.8862
265/750 [=====>.....] - ETA: 0s - loss: 0.5291 - accuracy: 0.8865
356/750 [======>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.8883
440/750 [======>.....] - ETA: 0s - loss: 0.5270 - accuracy: 0.8885
530/750 [======>.....] - ETA: 0s - loss: 0.5296 - accuracy: 0.8877
621/750 [======>.....] - ETA: 0s - loss: 0.5314 - accuracy: 0.8866
707/750 [======>..] - ETA: 0s - loss: 0.5301 - accuracy: 0.8872
750/750 [=====] - 1s 704us/step - loss: 0.5306 - accuracy: 0.8874 - val_loss: 0.5747 - val_accuracy: 0.8716
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.5467 - accuracy: 0.8750
90/750 [==>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.8866
179/750 [=====>.....] - ETA: 0s - loss: 0.5334 - accuracy:

0.8881 [.....] - ETA: 0s - loss: 0.5345 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.5345 - accuracy:
0.8877 [.....] - ETA: 0s - loss: 0.5336 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8869 [.....] - ETA: 0s - loss: 0.5326 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8872 [.....] - ETA: 0s - loss: 0.5322 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy:
0.8867 [.....] - ETA: 0s - loss: 0.5313 - accuracy:
625/750 [=====>.....] - ETA: 0s - loss: 0.5313 - accuracy:
0.8870 [.....] - ETA: 0s - loss: 0.5304 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.5304 - accuracy:
0.8876 [.....] - 1s 694us/step - loss: 0.5297 - accuracy:
0.8876 - val_loss: 0.5750 - val_accuracy: 0.8717
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.4115 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.5211 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8936 [.....] - ETA: 0s - loss: 0.5254 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5254 - accuracy:
0.8899 [.....] - ETA: 0s - loss: 0.5272 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.5272 - accuracy:
0.8903 [.....] - ETA: 0s - loss: 0.5263 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy:
0.8903 [.....] - ETA: 0s - loss: 0.5271 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.5271 - accuracy:
0.8899 [.....] - ETA: 0s - loss: 0.5283 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
0.8887 [.....] - ETA: 0s - loss: 0.5296 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.8883 [.....] - ETA: 0s - loss: 0.5302 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.5302 - accuracy:
0.8877 [.....] - 1s 704us/step - loss: 0.5298 - accuracy:
750/750 [=====] - 1s 704us/step - loss: 0.5298 - accuracy:
0.8876 - val_loss: 0.5750 - val_accuracy: 0.8727
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.5136 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5250 - accuracy:
86/750 [==>.....] - ETA: 0s - loss: 0.5250 - accuracy:
0.8883 [.....] - ETA: 0s - loss: 0.5249 - accuracy:
174/750 [=====>.....] - ETA: 0s - loss: 0.5249 - accuracy:
0.8876 [.....] - ETA: 0s - loss: 0.5280 - accuracy:
263/750 [=====>.....] - ETA: 0s - loss: 0.5280 - accuracy:
0.8880 [.....] - ETA: 0s - loss: 0.5284 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.5284 - accuracy:
0.8878 [.....] - ETA: 0s - loss: 0.5322 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.5322 - accuracy:

0.8861 [=====>.....] - ETA: 0s - loss: 0.5287 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.5287 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
610/750 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
0.8873 [=====>.....] - ETA: 0s - loss: 0.5284 - accuracy:
698/750 [=====>.....] - ETA: 0s - loss: 0.5284 - accuracy:
0.8877 [=====>.....] - ETA: 0s - loss: 0.5284 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.5284 - accuracy:
0.8878 - val_loss: 0.5741 - val_accuracy: 0.8712
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.4690 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4690 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.5217 - accuracy:
0.8917 [==>.....] - ETA: 0s - loss: 0.5217 - accuracy:
167/750 [====>.....] - ETA: 0s - loss: 0.5269 - accuracy:
0.8888 [====>.....] - ETA: 0s - loss: 0.5269 - accuracy:
252/750 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy:
0.8911 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy:
330/750 [=====>.....] - ETA: 0s - loss: 0.5315 - accuracy:
0.8887 [=====>.....] - ETA: 0s - loss: 0.5315 - accuracy:
416/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy:
500/750 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy:
585/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
665/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy:
0.8883 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy:
750/750 [=====] - 1s 741us/step - loss: 0.5278 - accuracy:
0.8881 - val_loss: 0.5755 - val_accuracy: 0.8709
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.5465 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5465 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5223 - accuracy:
0.8911 [==>.....] - ETA: 0s - loss: 0.5223 - accuracy:
176/750 [====>.....] - ETA: 0s - loss: 0.5268 - accuracy:
0.8883 [====>.....] - ETA: 0s - loss: 0.5268 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
0.8879 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.5308 - accuracy:
0.8873 [=====>.....] - ETA: 0s - loss: 0.5308 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.5327 - accuracy:
0.8863 [=====>.....] - ETA: 0s - loss: 0.5327 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5290 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.5276 - accuracy:

0.8879
750/750 [=====] - 1s 704us/step - loss: 0.5270 - accuracy:
0.8880 - val_loss: 0.5738 - val_accuracy: 0.8731
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.5321 - accuracy:
0.8594
91/750 [==>.....] - ETA: 0s - loss: 0.5161 - accuracy:
0.8934
178/750 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy:
0.8907
268/750 [=====>.....] - ETA: 0s - loss: 0.5268 - accuracy:
0.8887
357/750 [======>.....] - ETA: 0s - loss: 0.5271 - accuracy:
0.8886
444/750 [======>.....] - ETA: 0s - loss: 0.5291 - accuracy:
0.8883
531/750 [======>.....] - ETA: 0s - loss: 0.5312 - accuracy:
0.8871
620/750 [======>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.8874
703/750 [======>..] - ETA: 0s - loss: 0.5270 - accuracy:
0.8876
750/750 [=====] - 1s 710us/step - loss: 0.5262 - accuracy:
0.8878 - val_loss: 0.5759 - val_accuracy: 0.8715
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.4128 - accuracy:
0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.5230 - accuracy:
0.8940
176/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy:
0.8912
265/750 [=====>.....] - ETA: 0s - loss: 0.5324 - accuracy:
0.8881
355/750 [======>.....] - ETA: 0s - loss: 0.5319 - accuracy:
0.8874
445/750 [======>.....] - ETA: 0s - loss: 0.5293 - accuracy:
0.8881
534/750 [======>.....] - ETA: 0s - loss: 0.5276 - accuracy:
0.8890
621/750 [======>.....] - ETA: 0s - loss: 0.5260 - accuracy:
0.8889
711/750 [======>..] - ETA: 0s - loss: 0.5259 - accuracy:
0.8886
750/750 [=====] - 1s 697us/step - loss: 0.5254 - accuracy:
0.8888 - val_loss: 0.5739 - val_accuracy: 0.8727
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.5508 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.5125 - accuracy: 0.8929
91/750 [==>.....] - ETA: 0s - loss: 0.5125 - accuracy: 0.8929
179/750 [=====>.....] - ETA: 0s - loss: 0.5156 - accuracy: 0.8914
266/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.8896
356/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.8899
443/750 [=====>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.8888
531/750 [=====>.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.8882
617/750 [=====>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.8886
705/750 [=====>..] - ETA: 0s - loss: 0.5232 - accuracy: 0.8886
750/750 [=====>] - 1s 701us/step - loss: 0.5245 - accuracy: 0.8880 - val_loss: 0.5723 - val_accuracy: 0.8727
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.4387 - accuracy: 0.9375
91/750 [==>.....] - ETA: 0s - loss: 0.5303 - accuracy: 0.8862
179/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.8842
269/750 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy: 0.8864
342/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8864
432/750 [=====>.....] - ETA: 0s - loss: 0.5242 - accuracy: 0.8860
524/750 [=====>.....] - ETA: 0s - loss: 0.5266 - accuracy: 0.8865
616/750 [=====>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.8869
705/750 [=====>..] - ETA: 0s - loss: 0.5256 - accuracy: 0.8883
750/750 [=====>] - 1s 701us/step - loss: 0.5239 - accuracy: 0.8887 - val_loss: 0.5712 - val_accuracy: 0.8734
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.4805 - accuracy: 0.8906
91/750 [==>.....] - ETA: 0s - loss: 0.5158 - accuracy: 0.8898
182/750 [=====>.....] - ETA: 0s - loss: 0.5212 - accuracy: 0.8898
272/750 [=====>.....] - ETA: 0s - loss: 0.5190 - accuracy: 0.8898

0.8887 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.5207 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy:
0.8884 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
537/750 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
0.8877 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
0.8878 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
713/750 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
0.8878 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
750/750 [=====] - 1s 696us/step - loss: 0.5232 - accuracy:
0.8876 - val_loss: 0.5722 - val_accuracy: 0.8723
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.3481 - accuracy:
0.9688 [=====>.....] - ETA: 0s - loss: 0.5120 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.5207 - accuracy:
0.8943 [=====>.....] - ETA: 0s - loss: 0.5236 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
0.8914 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
268/750 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
0.8913 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
0.8917 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
0.8897 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
710/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
0.8898 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
750/750 [=====] - 1s 697us/step - loss: 0.5222 - accuracy:
0.8896 - val_loss: 0.5794 - val_accuracy: 0.8699
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.5442 - accuracy:
0.8438 [=====>.....] - ETA: 0s - loss: 0.5189 - accuracy:
90/750 [=====>.....] - ETA: 0s - loss: 0.5168 - accuracy:
0.8894 [=====>.....] - ETA: 0s - loss: 0.5173 - accuracy:
176/750 [=====>.....] - ETA: 0s - loss: 0.5172 - accuracy:
0.8912 [=====>.....] - ETA: 0s - loss: 0.5183 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8915 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
351/750 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8924 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8907 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
529/750 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:

0.8901 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy:
617/750 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy:
703/750 [=====>..] - ETA: 0s - loss: 0.5206 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.5206 - accuracy:
750/750 [=====] - 1s 704us/step - loss: 0.5216 - accuracy:
0.8891 - val_loss: 0.5684 - val_accuracy: 0.8724
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.6418 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6418 - accuracy:
92/750 [==>.....] - ETA: 0s - loss: 0.5260 - accuracy:
0.8869 [==>.....] - ETA: 0s - loss: 0.5260 - accuracy:
179/750 [=====>.....] - ETA: 0s - loss: 0.5238 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5238 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
0.8880 [=====>.....] - ETA: 0s - loss: 0.5222 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.5210 - accuracy:
0.8883 [=====>.....] - ETA: 0s - loss: 0.5210 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
538/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
0.8904 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
625/750 [=====>.....] - ETA: 0s - loss: 0.5188 - accuracy:
0.8905 [=====>.....] - ETA: 0s - loss: 0.5188 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.5204 - accuracy:
0.8903 [=====>..] - ETA: 0s - loss: 0.5204 - accuracy:
750/750 [=====] - 1s 692us/step - loss: 0.5209 - accuracy:
0.8901 - val_loss: 0.5698 - val_accuracy: 0.8725
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.4696 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4696 - accuracy:
91/750 [==>.....] - ETA: 0s - loss: 0.5190 - accuracy:
0.8917 [==>.....] - ETA: 0s - loss: 0.5190 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.5187 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.5187 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.5259 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5259 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy:
0.8884 [=====>.....] - ETA: 0s - loss: 0.5216 - accuracy:
524/750 [=====>.....] - ETA: 0s - loss: 0.5208 - accuracy:
0.8890 [=====>.....] - ETA: 0s - loss: 0.5208 - accuracy:
612/750 [=====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5199 - accuracy:
698/750 [=====>...] - ETA: 0s - loss: 0.5195 - accuracy:
0.8895 [=====>...] - ETA: 0s - loss: 0.5195 - accuracy:
750/750 [=====] - 1s 708us/step - loss: 0.5201 - accuracy:

0.8894 - val_loss: 0.5699 - val_accuracy: 0.8731
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.5154 - accuracy:
0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.5256 - accuracy:
0.8840
175/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy:
0.8882
263/750 [=====>.....] - ETA: 0s - loss: 0.5212 - accuracy:
0.8887
353/750 [======>.....] - ETA: 0s - loss: 0.5192 - accuracy:
0.8893
439/750 [======>.....] - ETA: 0s - loss: 0.5205 - accuracy:
0.8895
530/750 [======>.....] - ETA: 0s - loss: 0.5200 - accuracy:
0.8895
618/750 [======>.....] - ETA: 0s - loss: 0.5209 - accuracy:
0.8894
707/750 [======>..] - ETA: 0s - loss: 0.5194 - accuracy:
0.8895
750/750 [=====] - 1s 696us/step - loss: 0.5195 - accuracy:
0.8894 - val_loss: 0.5683 - val_accuracy: 0.8740
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.5388 - accuracy:
0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.5227 - accuracy:
0.8908
179/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy:
0.8880
265/750 [=====>.....] - ETA: 0s - loss: 0.5243 - accuracy:
0.8884
355/750 [======>.....] - ETA: 0s - loss: 0.5217 - accuracy:
0.8895
446/750 [======>.....] - ETA: 0s - loss: 0.5234 - accuracy:
0.8887
535/750 [======>.....] - ETA: 0s - loss: 0.5199 - accuracy:
0.8900
624/750 [======>.....] - ETA: 0s - loss: 0.5194 - accuracy:
0.8901
714/750 [======>..] - ETA: 0s - loss: 0.5189 - accuracy:
0.8897
750/750 [=====] - 1s 694us/step - loss: 0.5188 - accuracy:
0.8900 - val_loss: 0.5668 - val_accuracy: 0.8754
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.4811 - accuracy:
0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.5151 - accuracy:

0.8913 [=====>.....] - ETA: 0s - loss: 0.5180 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5180 - accuracy:
0.8915 [=====>.....] - ETA: 0s - loss: 0.5196 - accuracy:
267/750 [=====>.....] - ETA: 0s - loss: 0.5196 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5202 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.5202 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5198 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.5198 - accuracy:
0.8898 [=====>.....] - ETA: 0s - loss: 0.5200 - accuracy:
531/750 [=====>.....] - ETA: 0s - loss: 0.5200 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5170 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.5170 - accuracy:
0.8913 [=====>..] - ETA: 0s - loss: 0.5169 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.5169 - accuracy:
0.8912 [=====] - 1s 700us/step - loss: 0.5178 - accuracy:
750/750 [=====] - 1s 700us/step - loss: 0.5178 - accuracy:
0.8905 - val_loss: 0.5713 - val_accuracy: 0.8706
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.5066 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5214 - accuracy:
90/750 [==>.....] - ETA: 0s - loss: 0.5214 - accuracy:
0.8905 [==>.....] - ETA: 0s - loss: 0.5235 - accuracy:
174/750 [==>.....] - ETA: 0s - loss: 0.5235 - accuracy:
0.8927 [=====>.....] - ETA: 0s - loss: 0.5179 - accuracy:
265/750 [=====>.....] - ETA: 0s - loss: 0.5179 - accuracy:
0.8932 [=====>.....] - ETA: 0s - loss: 0.5175 - accuracy:
352/750 [=====>.....] - ETA: 0s - loss: 0.5175 - accuracy:
0.8924 [=====>.....] - ETA: 0s - loss: 0.5155 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.5155 - accuracy:
0.8920 [=====>.....] - ETA: 0s - loss: 0.5169 - accuracy:
532/750 [=====>.....] - ETA: 0s - loss: 0.5169 - accuracy:
0.8911 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
620/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.8911 [=====>..] - ETA: 0s - loss: 0.5169 - accuracy:
709/750 [=====>..] - ETA: 0s - loss: 0.5169 - accuracy:
0.8911 [=====] - 1s 698us/step - loss: 0.5172 - accuracy:
750/750 [=====] - 1s 698us/step - loss: 0.5172 - accuracy:
0.8910 - val_loss: 0.5669 - val_accuracy: 0.8729
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.5159 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.5167 - accuracy:
93/750 [==>.....] - ETA: 0s - loss: 0.5167 - accuracy:
0.8849 [==>.....] - ETA: 0s - loss: 0.5143 - accuracy:
181/750 [==>.....] - ETA: 0s - loss: 0.5143 - accuracy:
0.8875 [=====>.....] - ETA: 0s - loss: 0.5156 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.5156 - accuracy:
0.8889 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy:

0.8887 [=====>.....] - ETA: 0s - loss: 0.5168 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5178 - accuracy:
534/750 [=====>.....] - ETA: 0s - loss: 0.5168 - accuracy:
0.8897 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
619/750 [=====>.....] - ETA: 0s - loss: 0.5162 - accuracy:
0.8894 [=====>..] - ETA: 0s - loss: 0.5162 - accuracy:
709/750 [=====>..] - ETA: 0s - loss: 0.5162 - accuracy:
0.8899 [=====] - 1s 694us/step - loss: 0.5162 - accuracy:
750/750 [=====] - 1s 694us/step - loss: 0.5162 - accuracy:
0.8903 - val_loss: 0.5661 - val_accuracy: 0.8733
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.4302 - accuracy:
0.9219 [==>.....] - ETA: 0s - loss: 0.5182 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.5164 - accuracy:
0.8861 [====>.....] - ETA: 0s - loss: 0.5136 - accuracy:
174/750 [====>.....] - ETA: 0s - loss: 0.5134 - accuracy:
0.8884 [====>.....] - ETA: 0s - loss: 0.5120 - accuracy:
261/750 [====>.....] - ETA: 0s - loss: 0.5149 - accuracy:
0.8909 [====>.....] - ETA: 0s - loss: 0.5139 - accuracy:
347/750 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.8913 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
433/750 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.8915 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
522/750 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.8898 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
612/750 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.8904 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
701/750 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
750/750 [====>.....] - 1s 706us/step - loss: 0.5159 - accuracy:
0.8903 - val_loss: 0.5674 - val_accuracy: 0.8727
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.4766 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5008 - accuracy:
84/750 [==>.....] - ETA: 0s - loss: 0.5161 - accuracy:
0.8968 [====>.....] - ETA: 0s - loss: 0.5140 - accuracy:
172/750 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.8934 [====>.....] - ETA: 0s - loss: 0.5152 - accuracy:
257/750 [====>.....] - ETA: 0s - loss: 0.5139 - accuracy:
0.8934 [====>.....] - ETA: 0s - loss: 0.5124 - accuracy:
347/750 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8918 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
432/750 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8923 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
517/750 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8922 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
607/750 [====>.....] - ETA: 0s - loss: 0.5128 - accuracy:

0.8924 [=====] - ETA: 0s - loss: 0.5146 - accuracy:
694/750 [=====>...] - ETA: 0s - loss: 0.5146 - accuracy:
0.8917 [=====] - ETA: 0s - loss: 0.5146 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.5149 - accuracy:
0.8915 - val_loss: 0.5676 - val_accuracy: 0.8719
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.7785 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.7785 - accuracy:
88/750 [==>.....] - ETA: 0s - loss: 0.5074 - accuracy:
0.8908 [.....] - ETA: 0s - loss: 0.5074 - accuracy:
178/750 [=====>.....] - ETA: 0s - loss: 0.5081 - accuracy:
0.8932 [.....] - ETA: 0s - loss: 0.5081 - accuracy:
258/750 [=====>.....] - ETA: 0s - loss: 0.5066 - accuracy:
0.8927 [.....] - ETA: 0s - loss: 0.5066 - accuracy:
346/750 [=====>.....] - ETA: 0s - loss: 0.5051 - accuracy:
0.8937 [.....] - ETA: 0s - loss: 0.5051 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy:
0.8935 [.....] - ETA: 0s - loss: 0.5090 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5126 - accuracy:
0.8923 [.....] - ETA: 0s - loss: 0.5126 - accuracy:
608/750 [=====>.....] - ETA: 0s - loss: 0.5141 - accuracy:
0.8917 [.....] - ETA: 0s - loss: 0.5141 - accuracy:
692/750 [=====>...] - ETA: 0s - loss: 0.5150 - accuracy:
0.8913 [.....] - ETA: 0s - loss: 0.5150 - accuracy:
750/750 [=====] - 1s 718us/step - loss: 0.5142 - accuracy:
0.8914 - val_loss: 0.5643 - val_accuracy: 0.8737
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.4496 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.4496 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.5043 - accuracy:
0.8950 [.....] - ETA: 0s - loss: 0.5043 - accuracy:
182/750 [=====>.....] - ETA: 0s - loss: 0.5112 - accuracy:
0.8911 [.....] - ETA: 0s - loss: 0.5112 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.8914 [.....] - ETA: 0s - loss: 0.5117 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.5131 - accuracy:
0.8904 [.....] - ETA: 0s - loss: 0.5131 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.5128 - accuracy:
0.8907 [.....] - ETA: 0s - loss: 0.5128 - accuracy:
540/750 [=====>.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.8916 [.....] - ETA: 0s - loss: 0.5117 - accuracy:
629/750 [=====>.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.8912 [.....] - ETA: 0s - loss: 0.5117 - accuracy:
718/750 [=====>...] - ETA: 0s - loss: 0.5132 - accuracy:
0.8905 [.....] - ETA: 0s - loss: 0.5132 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.5138 - accuracy:
0.8902 - val_loss: 0.5645 - val_accuracy: 0.8751
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.3821 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.5241 - accuracy: 0.8869
177/750 [=====>.....] - ETA: 0s - loss: 0.5141 - accuracy: 0.8914
266/750 [=====>.....] - ETA: 0s - loss: 0.5127 - accuracy: 0.8934
355/750 [======>.....] - ETA: 0s - loss: 0.5132 - accuracy: 0.8926
444/750 [======>.....] - ETA: 0s - loss: 0.5127 - accuracy: 0.8921
531/750 [======>.....] - ETA: 0s - loss: 0.5117 - accuracy: 0.8917
619/750 [======>.....] - ETA: 0s - loss: 0.5115 - accuracy: 0.8916
709/750 [======>..] - ETA: 0s - loss: 0.5128 - accuracy: 0.8912
750/750 [=====] - 1s 709us/step - loss: 0.5133 - accuracy: 0.8912 - val_loss: 0.5660 - val_accuracy: 0.8731
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.5148 - accuracy: 0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.5101 - accuracy: 0.8922
173/750 [=====>.....] - ETA: 0s - loss: 0.5043 - accuracy: 0.8948
264/750 [=====>.....] - ETA: 0s - loss: 0.5120 - accuracy: 0.8936
350/750 [======>.....] - ETA: 0s - loss: 0.5133 - accuracy: 0.8931
440/750 [======>.....] - ETA: 0s - loss: 0.5139 - accuracy: 0.8925
531/750 [======>.....] - ETA: 0s - loss: 0.5129 - accuracy: 0.8924
618/750 [======>.....] - ETA: 0s - loss: 0.5126 - accuracy: 0.8921
706/750 [======>..] - ETA: 0s - loss: 0.5132 - accuracy: 0.8915
750/750 [=====] - 1s 728us/step - loss: 0.5124 - accuracy: 0.8917 - val_loss: 0.5630 - val_accuracy: 0.8756
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.4632 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.5201 - accuracy: 0.8887
176/750 [=====>.....] - ETA: 0s - loss: 0.5120 - accuracy:

0.8930 [=====>.....] - ETA: 0s - loss: 0.5208 - accuracy: 0.8906
354/750 [=====>.....] - ETA: 0s - loss: 0.5127 - accuracy: 0.8924
442/750 [=====>.....] - ETA: 0s - loss: 0.5112 - accuracy: 0.8923
533/750 [=====>.....] - ETA: 0s - loss: 0.5102 - accuracy: 0.8929
621/750 [=====>.....] - ETA: 0s - loss: 0.5116 - accuracy: 0.8920
707/750 [=====>..] - ETA: 0s - loss: 0.5112 - accuracy: 0.8916
750/750 [=====] - 1s 701us/step - loss: 0.5117 - accuracy: 0.8912 - val_loss: 0.5684 - val_accuracy: 0.8731
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.4868 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5013 - accuracy: 0.8910
159/750 [====>.....] - ETA: 0s - loss: 0.4933 - accuracy: 0.8963
249/750 [=====>.....] - ETA: 0s - loss: 0.4958 - accuracy: 0.8970
341/750 [=====>.....] - ETA: 0s - loss: 0.5026 - accuracy: 0.8953
427/750 [=====>.....] - ETA: 0s - loss: 0.5039 - accuracy: 0.8950
515/750 [=====>.....] - ETA: 0s - loss: 0.5085 - accuracy: 0.8924
604/750 [=====>.....] - ETA: 0s - loss: 0.5106 - accuracy: 0.8914
692/750 [=====>...] - ETA: 0s - loss: 0.5105 - accuracy: 0.8911
750/750 [=====] - 1s 720us/step - loss: 0.5112 - accuracy: 0.8913 - val_loss: 0.5626 - val_accuracy: 0.8733
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.5123 - accuracy: 0.8937
176/750 [====>.....] - ETA: 0s - loss: 0.5165 - accuracy: 0.8896
266/750 [=====>.....] - ETA: 0s - loss: 0.5179 - accuracy: 0.8887
353/750 [=====>.....] - ETA: 0s - loss: 0.5130 - accuracy: 0.8904
436/750 [=====>.....] - ETA: 0s - loss: 0.5107 - accuracy:

0.8911 [=====>.....] - ETA: 0s - loss: 0.5117 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5121 - accuracy:
614/750 [=====>.....] - ETA: 0s - loss: 0.5121 - accuracy:
0.8904 [=====>.....] - ETA: 0s - loss: 0.5109 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.5109 - accuracy:
0.8912 [=====] - 1s 704us/step - loss: 0.5103 - accuracy:
750/750 [=====] - 1s 704us/step - loss: 0.5103 - accuracy:
0.8914 - val_loss: 0.5611 - val_accuracy: 0.8750
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.4529 - accuracy:
0.9531 [==>.....] - ETA: 0s - loss: 0.5205 - accuracy:
89/750 [==>.....] - ETA: 0s - loss: 0.5205 - accuracy:
0.8894 [==>.....] - ETA: 0s - loss: 0.5143 - accuracy:
181/750 [==>.....] - ETA: 0s - loss: 0.5143 - accuracy:
0.8881 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy:
268/750 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy:
0.8908 [==>.....] - ETA: 0s - loss: 0.5144 - accuracy:
357/750 [==>.....] - ETA: 0s - loss: 0.5144 - accuracy:
0.8894 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy:
448/750 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy:
0.8904 [==>.....] - ETA: 0s - loss: 0.5098 - accuracy:
535/750 [==>.....] - ETA: 0s - loss: 0.5098 - accuracy:
0.8917 [==>.....] - ETA: 0s - loss: 0.5095 - accuracy:
624/750 [==>.....] - ETA: 0s - loss: 0.5095 - accuracy:
0.8916 [==>.....] - ETA: 0s - loss: 0.5087 - accuracy:
712/750 [==>..] - ETA: 0s - loss: 0.5087 - accuracy:
0.8921 [==>..] - ETA: 0s - loss: 0.5092 - accuracy:
750/750 [=====] - 1s 693us/step - loss: 0.5092 - accuracy:
0.8921 - val_loss: 0.5678 - val_accuracy: 0.8717
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.5203 - accuracy:
0.8750 [==>.....] - ETA: 0s - loss: 0.5091 - accuracy:
87/750 [==>.....] - ETA: 0s - loss: 0.5091 - accuracy:
0.8881 [==>.....] - ETA: 0s - loss: 0.5056 - accuracy:
177/750 [==>.....] - ETA: 0s - loss: 0.5056 - accuracy:
0.8916 [==>.....] - ETA: 0s - loss: 0.5035 - accuracy:
266/750 [==>.....] - ETA: 0s - loss: 0.5035 - accuracy:
0.8920 [==>.....] - ETA: 0s - loss: 0.5072 - accuracy:
353/750 [==>.....] - ETA: 0s - loss: 0.5072 - accuracy:
0.8917 [==>.....] - ETA: 0s - loss: 0.5081 - accuracy:
440/750 [==>.....] - ETA: 0s - loss: 0.5081 - accuracy:
0.8923 [==>.....] - ETA: 0s - loss: 0.5064 - accuracy:
528/750 [==>.....] - ETA: 0s - loss: 0.5064 - accuracy:
0.8938 [==>.....] - ETA: 0s - loss: 0.5075 - accuracy:
618/750 [==>.....] - ETA: 0s - loss: 0.5075 - accuracy:
0.8932 [==>.....] - ETA: 0s - loss: 0.5097 - accuracy:
708/750 [==>..] - ETA: 0s - loss: 0.5097 - accuracy:

0.8919
750/750 [=====] - 1s 698us/step - loss: 0.5091 - accuracy:
0.8920 - val_loss: 0.5612 - val_accuracy: 0.8748
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.4275 - accuracy:
0.9375
90/750 [==>.....] - ETA: 0s - loss: 0.5129 - accuracy:
0.8924
178/750 [=====>.....] - ETA: 0s - loss: 0.5142 - accuracy:
0.8918
266/750 [=====>.....] - ETA: 0s - loss: 0.5099 - accuracy:
0.8923
353/750 [=====>.....] - ETA: 0s - loss: 0.5087 - accuracy:
0.8922
439/750 [=====>.....] - ETA: 0s - loss: 0.5058 - accuracy:
0.8926
530/750 [=====>.....] - ETA: 0s - loss: 0.5069 - accuracy:
0.8922
614/750 [=====>.....] - ETA: 0s - loss: 0.5081 - accuracy:
0.8920
701/750 [=====>..] - ETA: 0s - loss: 0.5083 - accuracy:
0.8919
750/750 [=====] - 1s 708us/step - loss: 0.5084 - accuracy:
0.8917 - val_loss: 0.5633 - val_accuracy: 0.8742
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.5771 - accuracy:
0.8906
91/750 [==>.....] - ETA: 0s - loss: 0.5182 - accuracy:
0.8911
177/750 [=====>.....] - ETA: 0s - loss: 0.5047 - accuracy:
0.8948
267/750 [=====>.....] - ETA: 0s - loss: 0.5053 - accuracy:
0.8943
355/750 [=====>.....] - ETA: 0s - loss: 0.5051 - accuracy:
0.8943
442/750 [=====>.....] - ETA: 0s - loss: 0.5023 - accuracy:
0.8945
532/750 [=====>.....] - ETA: 0s - loss: 0.5032 - accuracy:
0.8939
621/750 [=====>.....] - ETA: 0s - loss: 0.5072 - accuracy:
0.8924
710/750 [=====>..] - ETA: 0s - loss: 0.5079 - accuracy:
0.8924
750/750 [=====] - 1s 700us/step - loss: 0.5075 - accuracy:
0.8928 - val_loss: 0.5602 - val_accuracy: 0.8755
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.5177 - accuracy:

0.9219 [.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.8955
90/750 [==>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.8955
179/750 [=====>.....] - ETA: 0s - loss: 0.4986 - accuracy: 0.8989
268/750 [=====>.....] - ETA: 0s - loss: 0.5008 - accuracy: 0.8962
355/750 [=====>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.8952
444/750 [=====>.....] - ETA: 0s - loss: 0.5074 - accuracy: 0.8939
533/750 [=====>.....] - ETA: 0s - loss: 0.5073 - accuracy: 0.8935
622/750 [=====>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.8934
710/750 [=====>..] - ETA: 0s - loss: 0.5078 - accuracy: 0.8927
750/750 [=====>] - 1s 700us/step - loss: 0.5068 - accuracy: 0.8932 - val_loss: 0.5587 - val_accuracy: 0.8762
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.4317 - accuracy: 0.9375
89/750 [==>.....] - ETA: 0s - loss: 0.4984 - accuracy: 0.8966
177/750 [=====>.....] - ETA: 0s - loss: 0.4966 - accuracy: 0.8964
264/750 [=====>.....] - ETA: 0s - loss: 0.4971 - accuracy: 0.8955
354/750 [=====>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.8947
439/750 [=====>.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.8951
528/750 [=====>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.8933
615/750 [=====>.....] - ETA: 0s - loss: 0.5051 - accuracy: 0.8929
704/750 [=====>..] - ETA: 0s - loss: 0.5048 - accuracy: 0.8930
750/750 [=====>] - 1s 701us/step - loss: 0.5059 - accuracy: 0.8926 - val_loss: 0.5578 - val_accuracy: 0.8762
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.8955
171/750 [=====>.....] - ETA: 0s - loss: 0.5003 - accuracy: 0.8954
252/750 [=====>.....] - ETA: 0s - loss: 0.5021 - accuracy: 0.8954

0.8953 [=====>.....] - ETA: 0s - loss: 0.5045 - accuracy:
335/750 [=====>.....] - ETA: 0s - loss: 0.5045 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.5063 - accuracy:
421/750 [=====>.....] - ETA: 0s - loss: 0.5051 - accuracy:
0.8933 [=====>.....] - ETA: 0s - loss: 0.5052 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.5059 - accuracy:
0.8941 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
0.8937 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
0.8937 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
750/750 [=====] - 1s 716us/step - loss: 0.5054 - accuracy:
0.8937 - val_loss: 0.5593 - val_accuracy: 0.8760
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.5457 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5024 - accuracy:
89/750 [=====>.....] - ETA: 0s - loss: 0.5049 - accuracy:
0.8962 [=====>.....] - ETA: 0s - loss: 0.5060 - accuracy:
180/750 [=====>.....] - ETA: 0s - loss: 0.5083 - accuracy:
0.8943 [=====>.....] - ETA: 0s - loss: 0.5074 - accuracy:
269/750 [=====>.....] - ETA: 0s - loss: 0.5053 - accuracy:
0.8936 [=====>.....] - ETA: 0s - loss: 0.5054 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.5045 - accuracy:
0.8923 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
0.8922 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
0.8928 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
603/750 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
0.8931 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
687/750 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
0.8929 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy:
750/750 [=====] - 1s 720us/step - loss: 0.5048 - accuracy:
0.8927 - val_loss: 0.5605 - val_accuracy: 0.8731
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.5633 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.5033 - accuracy:
87/750 [=====>.....] - ETA: 0s - loss: 0.5049 - accuracy:
0.8980 [=====>.....] - ETA: 0s - loss: 0.5025 - accuracy:
175/750 [=====>.....] - ETA: 0s - loss: 0.4995 - accuracy:
0.8942 [=====>.....] - ETA: 0s - loss: 0.5016 - accuracy:
266/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
0.8951 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
0.8951 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:
527/750 [=====>.....] - ETA: 0s - loss: 0.5001 - accuracy:

0.8950 [=====>.....] - ETA: 0s - loss: 0.5019 - accuracy: 0.8945
 704/750 [=====>..] - ETA: 0s - loss: 0.5028 - accuracy: 0.8943
 750/750 [=====] - 1s 705us/step - loss: 0.5039 - accuracy: 0.8937 - val_loss: 0.5596 - val_accuracy: 0.8751

1/313 [.....] - ETA: 3s - loss: 0.5660 - accuracy: 0.8750
 109/313 [=====>.....] - ETA: 0s - loss: 0.5936 - accuracy: 0.8661
 220/313 [=====>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.8629
 313/313 [=====] - 0s 452us/step - loss: 0.5844 - accuracy: 0.8656
 Testing loss: 0.584429144859314
 Testing accuracy: 86.55999898910522%

Running for Model 10/12

Model: "sequential_10"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550
hidden4 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510
Total params: 49,960		
Trainable params: 49,960		
Non-trainable params: 0		

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50, 'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,

'activation_function': 'softmax'}]

Epoch 1/220

```
1/750 [.....] - ETA: 2:10 - loss: 2.6118 - accuracy: 0.1094
66/750 [=>.....] - ETA: 0s - loss: 2.6111 - accuracy: 0.1155
134/750 [====>.....] - ETA: 0s - loss: 2.6099 - accuracy: 0.1172
204/750 [=====>.....] - ETA: 0s - loss: 2.6081 - accuracy: 0.1233
272/750 [======>.....] - ETA: 0s - loss: 2.6059 - accuracy: 0.1275
344/750 [======>.....] - ETA: 0s - loss: 2.6040 - accuracy: 0.1325
413/750 [======>.....] - ETA: 0s - loss: 2.6024 - accuracy: 0.1365
485/750 [======>.....] - ETA: 0s - loss: 2.6007 - accuracy: 0.1403
555/750 [======>.....] - ETA: 0s - loss: 2.5989 - accuracy: 0.1446
627/750 [======>.....] - ETA: 0s - loss: 2.5969 - accuracy: 0.1487
698/750 [======>...] - ETA: 0s - loss: 2.5951 - accuracy: 0.1528
750/750 [=====] - 1s 988us/step - loss: 2.5938 - accuracy: 0.1564 - val_loss: 2.5743 - val_accuracy: 0.2068
Epoch 2/220
```

```
1/750 [.....] - ETA: 0s - loss: 2.5912 - accuracy: 0.1875
67/750 [=>.....] - ETA: 0s - loss: 2.5714 - accuracy: 0.2171
135/750 [====>.....] - ETA: 0s - loss: 2.5692 - accuracy: 0.2229
203/750 [=====>.....] - ETA: 0s - loss: 2.5681 - accuracy: 0.2262
277/750 [======>.....] - ETA: 0s - loss: 2.5656 - accuracy: 0.2316
349/750 [======>.....] - ETA: 0s - loss: 2.5639 - accuracy: 0.2395
422/750 [======>.....] - ETA: 0s - loss: 2.5620 - accuracy: 0.2447
493/750 [======>.....] - ETA: 0s - loss: 2.5593 - accuracy: 0.2501
566/750 [======>.....] - ETA: 0s - loss: 2.5557 - accuracy: 0.2575
639/750 [======>.....] - ETA: 0s - loss: 2.5521 - accuracy: 0.2643
712/750 [======>..] - ETA: 0s - loss: 2.5488 - accuracy:
```

0.2687
750/750 [=====] - 1s 856us/step - loss: 2.5469 - accuracy:
0.2709 - val_loss: 2.5085 - val_accuracy: 0.3237
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.4960 - accuracy:
0.3438
74/750 [=>.....] - ETA: 0s - loss: 2.5070 - accuracy:
0.3163
150/750 [=====>.....] - ETA: 0s - loss: 2.5008 - accuracy:
0.3201
221/750 [=====>.....] - ETA: 0s - loss: 2.4956 - accuracy:
0.3264
295/750 [=====>.....] - ETA: 0s - loss: 2.4883 - accuracy:
0.3328
367/750 [=====>.....] - ETA: 0s - loss: 2.4818 - accuracy:
0.3393
441/750 [=====>.....] - ETA: 0s - loss: 2.4757 - accuracy:
0.3435
516/750 [=====>.....] - ETA: 0s - loss: 2.4689 - accuracy:
0.3451
587/750 [=====>.....] - ETA: 0s - loss: 2.4615 - accuracy:
0.3493
661/750 [=====>....] - ETA: 0s - loss: 2.4538 - accuracy:
0.3532
735/750 [=====>.] - ETA: 0s - loss: 2.4463 - accuracy:
0.3554
750/750 [=====] - 1s 844us/step - loss: 2.4447 - accuracy:
0.3560 - val_loss: 2.3589 - val_accuracy: 0.3915
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 2.3654 - accuracy:
0.3281
70/750 [=>.....] - ETA: 0s - loss: 2.3584 - accuracy:
0.3728
142/750 [=====>.....] - ETA: 0s - loss: 2.3425 - accuracy:
0.3841
215/750 [=====>.....] - ETA: 0s - loss: 2.3290 - accuracy:
0.3880
288/750 [=====>.....] - ETA: 0s - loss: 2.3150 - accuracy:
0.3931
361/750 [=====>.....] - ETA: 0s - loss: 2.3014 - accuracy:
0.3963
432/750 [=====>.....] - ETA: 0s - loss: 2.2878 - accuracy:
0.3971
506/750 [=====>.....] - ETA: 0s - loss: 2.2715 - accuracy:
0.4004
579/750 [=====>.....] - ETA: 0s - loss: 2.2568 - accuracy:
0.3999
650/750 [=====>....] - ETA: 0s - loss: 2.2410 - accuracy:

0.4016 [=====>..] - ETA: 0s - loss: 2.2231 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 2.2231 - accuracy:
0.4050 [=====] - 1s 845us/step - loss: 2.2166 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 2.2166 - accuracy:
0.4065 - val_loss: 2.0311 - val_accuracy: 0.4378
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 1.9412 - accuracy:
0.5312 [.....] - ETA: 0s - loss: 1.9412 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 2.0087 - accuracy:
0.4505 [==>.....] - ETA: 0s - loss: 2.0087 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 1.9869 - accuracy:
0.4615 [====>.....] - ETA: 0s - loss: 1.9869 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 1.9652 - accuracy:
0.4707 [=====>.....] - ETA: 0s - loss: 1.9652 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 1.9415 - accuracy:
0.4791 [=====>.....] - ETA: 0s - loss: 1.9415 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 1.9186 - accuracy:
0.4882 [=====>.....] - ETA: 0s - loss: 1.9186 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 1.8953 - accuracy:
0.4958 [=====>.....] - ETA: 0s - loss: 1.8953 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 1.8739 - accuracy:
0.5043 [=====>.....] - ETA: 0s - loss: 1.8739 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 1.8521 - accuracy:
0.5121 [=====>.....] - ETA: 0s - loss: 1.8521 - accuracy:
665/750 [=====>....] - ETA: 0s - loss: 1.8329 - accuracy:
0.5200 [=====>....] - ETA: 0s - loss: 1.8329 - accuracy:
739/750 [=====>.] - ETA: 0s - loss: 1.8136 - accuracy:
0.5272 [=====>.] - ETA: 0s - loss: 1.8136 - accuracy:
750/750 [=====>] - 1s 840us/step - loss: 1.8102 - accuracy:
0.5284 - val_loss: 1.6077 - val_accuracy: 0.5982
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 1.5787 - accuracy:
0.5938 [.....] - ETA: 0s - loss: 1.5787 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 1.5900 - accuracy:
0.6074 [=>.....] - ETA: 0s - loss: 1.5900 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 1.5714 - accuracy:
0.6086 [====>.....] - ETA: 0s - loss: 1.5714 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 1.5562 - accuracy:
0.6129 [=====>.....] - ETA: 0s - loss: 1.5562 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 1.5416 - accuracy:
0.6139 [=====>.....] - ETA: 0s - loss: 1.5416 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 1.5269 - accuracy:
0.6185 [=====>.....] - ETA: 0s - loss: 1.5269 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 1.5139 - accuracy:
0.6211 [=====>.....] - ETA: 0s - loss: 1.5139 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 1.5020 - accuracy:
0.6246 [=====>.....] - ETA: 0s - loss: 1.5020 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 1.4907 - accuracy:

0.6263 [=====] - ETA: 0s - loss: 1.4784 - accuracy: 0.6306
728/750 [=====>...] - ETA: 0s - loss: 1.4644 - accuracy: 0.6358
750/750 [=====] - 1s 840us/step - loss: 1.4609 - accuracy: 0.6375 - val_loss: 1.3424 - val_accuracy: 0.6703
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 1.2939 - accuracy: 0.7188
75/750 [==>.....] - ETA: 0s - loss: 1.3476 - accuracy: 0.6604
148/750 [===>.....] - ETA: 0s - loss: 1.3275 - accuracy: 0.6701
223/750 [=====>.....] - ETA: 0s - loss: 1.3196 - accuracy: 0.6737
295/750 [=====>.....] - ETA: 0s - loss: 1.3087 - accuracy: 0.6751
368/750 [=====>.....] - ETA: 0s - loss: 1.3003 - accuracy: 0.6776
442/750 [=====>.....] - ETA: 0s - loss: 1.2916 - accuracy: 0.6812
512/750 [=====>.....] - ETA: 0s - loss: 1.2836 - accuracy: 0.6835
584/750 [=====>.....] - ETA: 0s - loss: 1.2753 - accuracy: 0.6861
660/750 [=====>.....] - ETA: 0s - loss: 1.2683 - accuracy: 0.6889
733/750 [=====>.....] - ETA: 0s - loss: 1.2599 - accuracy: 0.6917
750/750 [=====] - 1s 836us/step - loss: 1.2586 - accuracy: 0.6918 - val_loss: 1.1896 - val_accuracy: 0.7091
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 1.1660 - accuracy: 0.7656
75/750 [==>.....] - ETA: 0s - loss: 1.1782 - accuracy: 0.7108
149/750 [===>.....] - ETA: 0s - loss: 1.1765 - accuracy: 0.7088
221/750 [=====>.....] - ETA: 0s - loss: 1.1720 - accuracy: 0.7112
291/750 [=====>.....] - ETA: 0s - loss: 1.1706 - accuracy: 0.7103
365/750 [=====>.....] - ETA: 0s - loss: 1.1642 - accuracy: 0.7123
439/750 [=====>.....] - ETA: 0s - loss: 1.1577 - accuracy: 0.7149
513/750 [=====>.....] - ETA: 0s - loss: 1.1496 - accuracy:

0.7177 [=====>.....] - ETA: 0s - loss: 1.1475 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 1.1475 - accuracy:
0.7167 [=====>.....] - ETA: 0s - loss: 1.1453 - accuracy:
662/750 [=====>....] - ETA: 0s - loss: 1.1453 - accuracy:
0.7169 [=====>....] - ETA: 0s - loss: 1.1419 - accuracy:
736/750 [=====>.] - ETA: 0s - loss: 1.1419 - accuracy:
0.7178 [=====>.] - ETA: 0s - loss: 1.1415 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 1.1415 - accuracy:
0.7176 - val_loss: 1.1045 - val_accuracy: 0.7207
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 1.0624 - accuracy:
0.7344 [.....] - ETA: 0s - loss: 1.1036 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 1.1036 - accuracy:
0.7175 [=>.....] - ETA: 0s - loss: 1.1035 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 1.1035 - accuracy:
0.7215 [=====>.....] - ETA: 0s - loss: 1.0976 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 1.0976 - accuracy:
0.7247 [=====>.....] - ETA: 0s - loss: 1.0953 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 1.0953 - accuracy:
0.7250 [=====>.....] - ETA: 0s - loss: 1.0904 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 1.0904 - accuracy:
0.7275 [=====>.....] - ETA: 0s - loss: 1.0881 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 1.0881 - accuracy:
0.7278 [=====>.....] - ETA: 0s - loss: 1.0834 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 1.0834 - accuracy:
0.7290 [=====>.....] - ETA: 0s - loss: 1.0806 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 1.0806 - accuracy:
0.7297 [=====>.....] - ETA: 0s - loss: 1.0773 - accuracy:
661/750 [=====>....] - ETA: 0s - loss: 1.0773 - accuracy:
0.7306 [=====>....] - ETA: 0s - loss: 1.0754 - accuracy:
735/750 [=====>.] - ETA: 0s - loss: 1.0754 - accuracy:
0.7315 [=====>.] - ETA: 0s - loss: 1.0745 - accuracy:
750/750 [=====] - 1s 832us/step - loss: 1.0745 - accuracy:
0.7316 - val_loss: 1.0518 - val_accuracy: 0.7351
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 0.9834 - accuracy:
0.7500 [.....] - ETA: 0s - loss: 1.0493 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 1.0493 - accuracy:
0.7335 [=>.....] - ETA: 0s - loss: 1.0434 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 1.0434 - accuracy:
0.7387 [=====>.....] - ETA: 0s - loss: 1.0465 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 1.0465 - accuracy:
0.7354 [=====>.....] - ETA: 0s - loss: 1.0428 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 1.0428 - accuracy:
0.7382 [=====>.....] - ETA: 0s - loss: 1.0392 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 1.0392 - accuracy:
0.7395 [=====>.....] - ETA: 0s - loss: 1.0394 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 1.0394 - accuracy:

0.7399
520/750 [=====>.....] - ETA: 0s - loss: 1.0364 - accuracy:
0.7403
594/750 [=====>.....] - ETA: 0s - loss: 1.0348 - accuracy:
0.7414
667/750 [=====>....] - ETA: 0s - loss: 1.0315 - accuracy:
0.7428
742/750 [=====>.] - ETA: 0s - loss: 1.0310 - accuracy:
0.7422
750/750 [=====] - 1s 826us/step - loss: 1.0313 - accuracy:
0.7421 - val_loss: 1.0162 - val_accuracy: 0.7381
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 0.9198 - accuracy:
0.8438
75/750 [==>.....] - ETA: 0s - loss: 1.0087 - accuracy:
0.7448
151/750 [====>.....] - ETA: 0s - loss: 1.0140 - accuracy:
0.7456
226/750 [=====>.....] - ETA: 0s - loss: 1.0100 - accuracy:
0.7481
299/750 [=====>.....] - ETA: 0s - loss: 1.0100 - accuracy:
0.7471
372/750 [=====>.....] - ETA: 0s - loss: 1.0067 - accuracy:
0.7481
446/750 [=====>.....] - ETA: 0s - loss: 1.0072 - accuracy:
0.7493
521/750 [=====>.....] - ETA: 0s - loss: 1.0048 - accuracy:
0.7498
596/750 [=====>.....] - ETA: 0s - loss: 1.0054 - accuracy:
0.7491
669/750 [=====>....] - ETA: 0s - loss: 1.0018 - accuracy:
0.7510
744/750 [=====>.] - ETA: 0s - loss: 1.0010 - accuracy:
0.7509
750/750 [=====] - 1s 824us/step - loss: 1.0011 - accuracy:
0.7508 - val_loss: 0.9908 - val_accuracy: 0.7510
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 1.2823 - accuracy:
0.6250
77/750 [==>.....] - ETA: 0s - loss: 0.9985 - accuracy:
0.7401
150/750 [====>.....] - ETA: 0s - loss: 0.9984 - accuracy:
0.7443
225/750 [=====>.....] - ETA: 0s - loss: 0.9953 - accuracy:
0.7474
297/750 [=====>.....] - ETA: 0s - loss: 0.9912 - accuracy:
0.7485
372/750 [=====>.....] - ETA: 0s - loss: 0.9895 - accuracy:

0.7492 [=====>.....] - ETA: 0s - loss: 0.9854 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.9829 - accuracy:
0.7521 [=====>.....] - ETA: 0s - loss: 0.9803 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.9797 - accuracy:
0.7540 [=====>.....] - ETA: 0s - loss: 0.9784 - accuracy:
597/750 [=====>.....] - ETA: 0s - loss: 0.9786 - accuracy:
0.7548 [=====>.....] - ETA: 0s - loss: 0.9786 - accuracy:
672/750 [=====>.....] - ETA: 0s - loss: 0.9786 - accuracy:
0.7555 [=====>.....] - ETA: 0s - loss: 0.9786 - accuracy:
747/750 [=====>.....] - ETA: 0s - loss: 0.9786 - accuracy:
0.7564 [=====>.....] - ETA: 0s - loss: 0.9786 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.9786 - accuracy:
0.7563 - val_loss: 0.9708 - val_accuracy: 0.7552
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 1.0289 - accuracy:
0.7812 [=>.....] - ETA: 0s - loss: 0.9673 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.9666 - accuracy:
0.7612 [=>.....] - ETA: 0s - loss: 0.9634 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.9642 - accuracy:
0.7615 [=====>.....] - ETA: 0s - loss: 0.9658 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.9635 - accuracy:
0.7614 [=====>.....] - ETA: 0s - loss: 0.9632 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.9619 - accuracy:
0.7611 [=====>.....] - ETA: 0s - loss: 0.9612 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.9604 - accuracy:
0.7611 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
0.7627 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
0.7629 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
0.7631 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
668/750 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
0.7634 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
744/750 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
0.7634 [=====>.....] - ETA: 0s - loss: 0.9601 - accuracy:
750/750 [=====>.....] - 1s 824us/step - loss: 0.9601 - accuracy:
0.7635 - val_loss: 0.9525 - val_accuracy: 0.7610
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.9919 - accuracy:
0.7969 [=>.....] - ETA: 0s - loss: 0.9667 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.9563 - accuracy:
0.7610 [=>.....] - ETA: 0s - loss: 0.9525 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.9521 - accuracy:
0.7653 [=====>.....] - ETA: 0s - loss: 0.9521 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.9521 - accuracy:
0.7684 [=====>.....] - ETA: 0s - loss: 0.9521 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.9521 - accuracy:

0.7686 [=====>.....] - ETA: 0s - loss: 0.9533 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.9479 - accuracy:
0.7666 [=====>.....] - ETA: 0s - loss: 0.9476 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.9460 - accuracy:
0.7683 [=====>.....] - ETA: 0s - loss: 0.9439 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.9442 - accuracy:
0.7685 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
0.7688 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
662/750 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
0.7694 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
734/750 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
0.7689 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.9451 - accuracy:
0.7686 - val_loss: 0.9382 - val_accuracy: 0.7685
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 1.1693 - accuracy:
0.7188 [.....] - ETA: 0s - loss: 0.9571 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.9487 - accuracy:
0.7644 [=>.....] - ETA: 0s - loss: 0.9359 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.9335 - accuracy:
0.7706 [=====>.....] - ETA: 0s - loss: 0.9362 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.9320 - accuracy:
0.7738 [=====>.....] - ETA: 0s - loss: 0.9282 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.9290 - accuracy:
0.7747 [=====>.....] - ETA: 0s - loss: 0.9304 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.9320 - accuracy:
0.7750 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
0.7755 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
0.7766 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
0.7754 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
661/750 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
0.7747 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
736/750 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
0.7739 [=====>.....] - ETA: 0s - loss: 0.9317 - accuracy:
750/750 [=====>.....] - 1s 836us/step - loss: 0.9317 - accuracy:
0.7738 - val_loss: 0.9265 - val_accuracy: 0.7753
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.9269 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.9291 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.9210 - accuracy:
0.7729 [=>.....] - ETA: 0s - loss: 0.9274 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.9274 - accuracy:
0.7798 [=====>.....] - ETA: 0s - loss: 0.9274 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.9274 - accuracy:

0.7800 [=====>.....] - ETA: 0s - loss: 0.9264 - accuracy: 290/750
0.7804 [=====>.....] - ETA: 0s - loss: 0.9236 - accuracy: 363/750
0.7785 [=====>.....] - ETA: 0s - loss: 0.9222 - accuracy: 438/750
0.7790 [=====>.....] - ETA: 0s - loss: 0.9199 - accuracy: 512/750
0.7791 [=====>.....] - ETA: 0s - loss: 0.9186 - accuracy: 586/750
0.7799 [=====>....] - ETA: 0s - loss: 0.9196 - accuracy: 662/750
0.7794 [=====>.] - ETA: 0s - loss: 0.9202 - accuracy: 736/750
0.7790 [=====] - 1s 830us/step - loss: 0.9196 - accuracy: 750/750
0.7791 - val_loss: 0.9148 - val_accuracy: 0.7757
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.7958 - accuracy: 0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.8897 - accuracy: 0.7917
149/750 [====>.....] - ETA: 0s - loss: 0.9032 - accuracy: 0.7859
220/750 [=====>.....] - ETA: 0s - loss: 0.9050 - accuracy: 0.7860
295/750 [=====>.....] - ETA: 0s - loss: 0.9060 - accuracy: 0.7859
370/750 [=====>.....] - ETA: 0s - loss: 0.9059 - accuracy: 0.7861
445/750 [=====>.....] - ETA: 0s - loss: 0.9103 - accuracy: 0.7840
519/750 [=====>.....] - ETA: 0s - loss: 0.9063 - accuracy: 0.7856
594/750 [=====>.....] - ETA: 0s - loss: 0.9086 - accuracy: 0.7844
668/750 [=====>....] - ETA: 0s - loss: 0.9087 - accuracy: 0.7847
741/750 [=====>.] - ETA: 0s - loss: 0.9084 - accuracy: 0.7849
750/750 [=====] - 1s 828us/step - loss: 0.9086 - accuracy: 0.7848 - val_loss: 0.9032 - val_accuracy: 0.7836
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 1.0493 - accuracy: 0.7188
76/750 [=>.....] - ETA: 0s - loss: 0.8865 - accuracy: 0.7936
148/750 [====>.....] - ETA: 0s - loss: 0.8936 - accuracy:

0.7900 [=====>.....] - ETA: 0s - loss: 0.8927 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.8932 - accuracy:
0.7909 [=====>.....] - ETA: 0s - loss: 0.8989 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.9005 - accuracy:
0.7894 [=====>.....] - ETA: 0s - loss: 0.9005 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.9021 - accuracy:
0.7881 [=====>.....] - ETA: 0s - loss: 0.9006 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.8990 - accuracy:
0.7876 [=====>.....] - ETA: 0s - loss: 0.8986 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
0.7872 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
596/750 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
0.7870 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
671/750 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
0.7873 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
743/750 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
0.7879 [=====>.....] - ETA: 0s - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
750/750 [=====] - 1s 825us/step - loss: 0.8947 - val_loss: 0.8947 - val_accuracy: 0.7869
0.7880 - val_loss: 0.8947 - val_accuracy: 0.7869
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.9724 - accuracy:
0.7969 [=>.....] - ETA: 0s - loss: 0.9101 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.9012 - accuracy:
0.7825 [=====>.....] - ETA: 0s - loss: 0.8982 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.8984 - accuracy:
0.7863 [=====>.....] - ETA: 0s - loss: 0.8965 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.8952 - accuracy:
0.7889 [=====>.....] - ETA: 0s - loss: 0.8924 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.8930 - accuracy:
0.7895 [=====>.....] - ETA: 0s - loss: 0.8902 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.8896 - accuracy:
0.7895 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
0.7903 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
0.7916 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
0.7919 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
663/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
0.7926 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
736/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
0.7928 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy:
750/750 [=====>.....] - 1s 832us/step - loss: 0.8894 - accuracy:
0.7931 - val_loss: 0.8853 - val_accuracy: 0.7914
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.8908 - accuracy:
0.7969 [=>.....] - ETA: 0s - loss: 0.9074 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.9074 - accuracy:

0.7897 [=====>.....] - ETA: 0s - loss: 0.8956 - accuracy: 0.7939
225/750 [=====>.....] - ETA: 0s - loss: 0.8905 - accuracy: 0.7938
297/750 [=====>.....] - ETA: 0s - loss: 0.8894 - accuracy: 0.7937
371/750 [=====>.....] - ETA: 0s - loss: 0.8891 - accuracy: 0.7928
445/750 [=====>.....] - ETA: 0s - loss: 0.8862 - accuracy: 0.7930
519/750 [=====>.....] - ETA: 0s - loss: 0.8857 - accuracy: 0.7934
592/750 [=====>.....] - ETA: 0s - loss: 0.8826 - accuracy: 0.7949
668/750 [=====>....] - ETA: 0s - loss: 0.8833 - accuracy: 0.7945
740/750 [=====>.] - ETA: 0s - loss: 0.8807 - accuracy: 0.7960
750/750 [=====] - 1s 832us/step - loss: 0.8807 - accuracy: 0.7958 - val_loss: 0.8759 - val_accuracy: 0.7968
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.8923 - accuracy: 0.7969
74/750 [=>.....] - ETA: 0s - loss: 0.8929 - accuracy: 0.7861
148/750 [====>.....] - ETA: 0s - loss: 0.8749 - accuracy: 0.7965
222/750 [=====>.....] - ETA: 0s - loss: 0.8754 - accuracy: 0.7976
297/750 [=====>.....] - ETA: 0s - loss: 0.8738 - accuracy: 0.7983
372/750 [=====>.....] - ETA: 0s - loss: 0.8744 - accuracy: 0.7975
445/750 [=====>.....] - ETA: 0s - loss: 0.8727 - accuracy: 0.7987
519/750 [=====>.....] - ETA: 0s - loss: 0.8744 - accuracy: 0.7989
593/750 [=====>.....] - ETA: 0s - loss: 0.8732 - accuracy: 0.7998
666/750 [=====>....] - ETA: 0s - loss: 0.8729 - accuracy: 0.7997
743/750 [=====>.] - ETA: 0s - loss: 0.8728 - accuracy: 0.8000
750/750 [=====] - 1s 828us/step - loss: 0.8727 - accuracy: 0.7998 - val_loss: 0.8671 - val_accuracy: 0.8007
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.8132 - accuracy:

0.7969 [.....] - ETA: 0s - loss: 0.8743 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.8715 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.8684 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.8659 - accuracy:
0.7985 [.....] - ETA: 0s - loss: 0.8713 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.8700 - accuracy:
0.8014 [.....] - ETA: 0s - loss: 0.8682 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.8652 - accuracy:
0.8020 [.....] - ETA: 0s - loss: 0.8663 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.8647 - accuracy:
0.7993 [.....] - ETA: 0s - loss: 0.8650 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.8650 - accuracy:
0.8005 [.....] - ETA: 0s - loss: 0.8650 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.8650 - accuracy:
0.8008 [.....] - ETA: 0s - loss: 0.8650 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.8650 - accuracy:
0.8018 [.....] - ETA: 0s - loss: 0.8650 - accuracy:
660/750 [=====>.....] - ETA: 0s - loss: 0.8650 - accuracy:
0.8025 [.....] - ETA: 0s - loss: 0.8650 - accuracy:
733/750 [=====>.....] - ETA: 0s - loss: 0.8650 - accuracy:
0.8033 [.....] - ETA: 0s - loss: 0.8650 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.8650 - accuracy:
0.8032 - val_loss: 0.8594 - val_accuracy: 0.8052
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 1.0646 - accuracy:
0.7031 [.....] - ETA: 0s - loss: 0.8486 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.8480 - accuracy:
0.8094 [.....] - ETA: 0s - loss: 0.8529 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.8508 - accuracy:
0.8131 [.....] - ETA: 0s - loss: 0.8568 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.8553 - accuracy:
0.8090 [.....] - ETA: 0s - loss: 0.8558 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.8571 - accuracy:
0.8087 [.....] - ETA: 0s - loss: 0.8581 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.8570 - accuracy:
0.8069 [.....] - ETA: 0s - loss: 0.8571 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.8571 - accuracy:
0.8063 [.....] - ETA: 0s - loss: 0.8571 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.8571 - accuracy:
0.8054 [.....] - ETA: 0s - loss: 0.8571 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.8571 - accuracy:
0.8052 [.....] - ETA: 0s - loss: 0.8571 - accuracy:
663/750 [=====>.....] - ETA: 0s - loss: 0.8571 - accuracy:
0.8057 [.....] - ETA: 0s - loss: 0.8571 - accuracy:
738/750 [=====>.....] - ETA: 0s - loss: 0.8571 - accuracy:
0.8063 [.....] - ETA: 0s - loss: 0.8571 - accuracy:
750/750 [=====] - 1s 832us/step - loss: 0.8571 - accuracy:
0.8064 - val_loss: 0.8568 - val_accuracy: 0.8065
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.8068 - accuracy: 0.7969
76/750 [==>.....] - ETA: 0s - loss: 0.8602 - accuracy: 0.8028
149/750 [====>.....] - ETA: 0s - loss: 0.8550 - accuracy: 0.8078
225/750 [=====>.....] - ETA: 0s - loss: 0.8523 - accuracy: 0.8091
298/750 [=====>.....] - ETA: 0s - loss: 0.8506 - accuracy: 0.8095
373/750 [=====>.....] - ETA: 0s - loss: 0.8528 - accuracy: 0.8084
448/750 [=====>.....] - ETA: 0s - loss: 0.8510 - accuracy: 0.8101
521/750 [=====>.....] - ETA: 0s - loss: 0.8517 - accuracy: 0.8091
596/750 [=====>.....] - ETA: 0s - loss: 0.8509 - accuracy: 0.8088
669/750 [=====>....] - ETA: 0s - loss: 0.8515 - accuracy: 0.8093
743/750 [=====>.] - ETA: 0s - loss: 0.8506 - accuracy: 0.8092
750/750 [=====] - 1s 824us/step - loss: 0.8504 - accuracy: 0.8094 - val_loss: 0.8482 - val_accuracy: 0.8104
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.6286 - accuracy: 0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.8243 - accuracy: 0.8202
149/750 [====>.....] - ETA: 0s - loss: 0.8403 - accuracy: 0.8139
222/750 [=====>.....] - ETA: 0s - loss: 0.8428 - accuracy: 0.8126
297/750 [=====>.....] - ETA: 0s - loss: 0.8457 - accuracy: 0.8114
368/750 [=====>.....] - ETA: 0s - loss: 0.8444 - accuracy: 0.8115
444/750 [=====>.....] - ETA: 0s - loss: 0.8462 - accuracy: 0.8118
520/750 [=====>.....] - ETA: 0s - loss: 0.8461 - accuracy: 0.8119
593/750 [=====>.....] - ETA: 0s - loss: 0.8459 - accuracy: 0.8109
668/750 [=====>....] - ETA: 0s - loss: 0.8439 - accuracy: 0.8116
740/750 [=====>.] - ETA: 0s - loss: 0.8440 - accuracy: 0.8116
750/750 [=====] - 1s 828us/step - loss: 0.8437 - accuracy:

0.8118 - val_loss: 0.8398 - val_accuracy: 0.8144
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.7696 - accuracy:
0.7969
74/750 [=>.....] - ETA: 0s - loss: 0.8491 - accuracy:
0.8127
148/750 [====>.....] - ETA: 0s - loss: 0.8460 - accuracy:
0.8104
223/750 [=====>.....] - ETA: 0s - loss: 0.8412 - accuracy:
0.8138
298/750 [======>.....] - ETA: 0s - loss: 0.8432 - accuracy:
0.8123
370/750 [======>.....] - ETA: 0s - loss: 0.8429 - accuracy:
0.8126
445/750 [======>.....] - ETA: 0s - loss: 0.8393 - accuracy:
0.8154
520/750 [======>.....] - ETA: 0s - loss: 0.8379 - accuracy:
0.8147
596/750 [======>.....] - ETA: 0s - loss: 0.8405 - accuracy:
0.8140
670/750 [======>....] - ETA: 0s - loss: 0.8382 - accuracy:
0.8150
742/750 [======>.] - ETA: 0s - loss: 0.8372 - accuracy:
0.8152
750/750 [=====] - 1s 832us/step - loss: 0.8373 - accuracy:
0.8152 - val_loss: 0.8368 - val_accuracy: 0.8140
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.8704 - accuracy:
0.7812
74/750 [=>.....] - ETA: 0s - loss: 0.8365 - accuracy:
0.8171
148/750 [====>.....] - ETA: 0s - loss: 0.8312 - accuracy:
0.8178
222/750 [=====>.....] - ETA: 0s - loss: 0.8364 - accuracy:
0.8159
298/750 [======>.....] - ETA: 0s - loss: 0.8299 - accuracy:
0.8170
372/750 [======>.....] - ETA: 0s - loss: 0.8339 - accuracy:
0.8157
446/750 [======>.....] - ETA: 0s - loss: 0.8369 - accuracy:
0.8147
521/750 [======>.....] - ETA: 0s - loss: 0.8344 - accuracy:
0.8151
596/750 [======>.....] - ETA: 0s - loss: 0.8348 - accuracy:
0.8150
670/750 [======>....] - ETA: 0s - loss: 0.8327 - accuracy:
0.8161
746/750 [======>.] - ETA: 0s - loss: 0.8306 - accuracy:

0.8170
750/750 [=====] - 1s 824us/step - loss: 0.8309 - accuracy:
0.8171 - val_loss: 0.8300 - val_accuracy: 0.8155
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.7028 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.8364 - accuracy:
0.8198
150/750 [====>.....] - ETA: 0s - loss: 0.8269 - accuracy:
0.8200
224/750 [=====>.....] - ETA: 0s - loss: 0.8231 - accuracy:
0.8199
297/750 [=====>.....] - ETA: 0s - loss: 0.8187 - accuracy:
0.8210
372/750 [=====>.....] - ETA: 0s - loss: 0.8213 - accuracy:
0.8205
444/750 [=====>.....] - ETA: 0s - loss: 0.8204 - accuracy:
0.8198
516/750 [=====>.....] - ETA: 0s - loss: 0.8219 - accuracy:
0.8200
590/750 [=====>.....] - ETA: 0s - loss: 0.8222 - accuracy:
0.8195
662/750 [=====>....] - ETA: 0s - loss: 0.8252 - accuracy:
0.8185
736/750 [=====>.] - ETA: 0s - loss: 0.8255 - accuracy:
0.8186
750/750 [=====] - 1s 830us/step - loss: 0.8254 - accuracy:
0.8188 - val_loss: 0.8219 - val_accuracy: 0.8188
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 1.0846 - accuracy:
0.6875
76/750 [==>.....] - ETA: 0s - loss: 0.8248 - accuracy:
0.8158
150/750 [====>.....] - ETA: 0s - loss: 0.8219 - accuracy:
0.8210
223/750 [=====>.....] - ETA: 0s - loss: 0.8245 - accuracy:
0.8199
299/750 [=====>.....] - ETA: 0s - loss: 0.8243 - accuracy:
0.8196
372/750 [=====>.....] - ETA: 0s - loss: 0.8229 - accuracy:
0.8202
447/750 [=====>.....] - ETA: 0s - loss: 0.8188 - accuracy:
0.8221
522/750 [=====>.....] - ETA: 0s - loss: 0.8174 - accuracy:
0.8227
595/750 [=====>.....] - ETA: 0s - loss: 0.8171 - accuracy:
0.8223
672/750 [=====>....] - ETA: 0s - loss: 0.8182 - accuracy:

0.8217 [=====] - ETA: 0s - loss: 0.8196 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.8196 - accuracy:
0.8209 [=====] - ETA: 0s - loss: 0.8195 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.8195 - accuracy:
0.8209 - val_loss: 0.8185 - val_accuracy: 0.8230
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.7096 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.8110 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.8110 - accuracy:
0.8221 [.....] - ETA: 0s - loss: 0.8127 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.8127 - accuracy:
0.8227 [.....] - ETA: 0s - loss: 0.8152 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.8152 - accuracy:
0.8217 [.....] - ETA: 0s - loss: 0.8149 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.8149 - accuracy:
0.8234 [.....] - ETA: 0s - loss: 0.8149 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.8149 - accuracy:
0.8225 [.....] - ETA: 0s - loss: 0.8111 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.8111 - accuracy:
0.8240 [.....] - ETA: 0s - loss: 0.8112 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.8112 - accuracy:
0.8238 [.....] - ETA: 0s - loss: 0.8123 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.8123 - accuracy:
0.8237 [.....] - ETA: 0s - loss: 0.8123 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.8123 - accuracy:
0.8234 [.....] - ETA: 0s - loss: 0.8142 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.8142 - accuracy:
0.8229 [.....] - ETA: 0s - loss: 0.8141 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.8141 - accuracy:
0.8230 - val_loss: 0.8128 - val_accuracy: 0.8243
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.7968 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.8131 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.8131 - accuracy:
0.8277 [.....] - ETA: 0s - loss: 0.8074 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.8074 - accuracy:
0.8284 [.....] - ETA: 0s - loss: 0.8175 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.8175 - accuracy:
0.8240 [.....] - ETA: 0s - loss: 0.8158 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.8158 - accuracy:
0.8237 [.....] - ETA: 0s - loss: 0.8124 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.8124 - accuracy:
0.8246 [.....] - ETA: 0s - loss: 0.8093 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.8093 - accuracy:
0.8262 [.....] - ETA: 0s - loss: 0.8106 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.8106 - accuracy:
0.8252 [.....] - ETA: 0s - loss: 0.8113 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.8113 - accuracy:

0.8248 [=====>....] - ETA: 0s - loss: 0.8085 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.8085 - accuracy:
0.8257 [=====>....] - ETA: 0s - loss: 0.8092 - accuracy:
749/750 [=====>....] - ETA: 0s - loss: 0.8092 - accuracy:
0.8252 [=====>....] - ETA: 0s - loss: 0.8093 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.8093 - accuracy:
0.8251 - val_loss: 0.8093 - val_accuracy: 0.8246
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 1.0059 - accuracy:
0.7656 [.....] - ETA: 0s - loss: 0.8243 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.8243 - accuracy:
0.8228 [=>.....] - ETA: 0s - loss: 0.8090 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.8090 - accuracy:
0.8284 [=====>.....] - ETA: 0s - loss: 0.8104 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.8104 - accuracy:
0.8264 [=====>.....] - ETA: 0s - loss: 0.8129 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.8129 - accuracy:
0.8253 [=====>.....] - ETA: 0s - loss: 0.8108 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.8108 - accuracy:
0.8253 [=====>.....] - ETA: 0s - loss: 0.8049 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.8049 - accuracy:
0.8278 [=====>.....] - ETA: 0s - loss: 0.8041 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.8041 - accuracy:
0.8288 [=====>.....] - ETA: 0s - loss: 0.8018 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.8018 - accuracy:
0.8293 [=====>.....] - ETA: 0s - loss: 0.8031 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.8031 - accuracy:
0.8284 [=====>....] - ETA: 0s - loss: 0.8041 - accuracy:
743/750 [=====>....] - ETA: 0s - loss: 0.8041 - accuracy:
0.8270 [=====>....] - ETA: 0s - loss: 0.8042 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.8042 - accuracy:
0.8271 - val_loss: 0.8046 - val_accuracy: 0.8272
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.6464 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.7977 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.7977 - accuracy:
0.8288 [=>.....] - ETA: 0s - loss: 0.8047 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.8047 - accuracy:
0.8276 [=====>.....] - ETA: 0s - loss: 0.8045 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.8045 - accuracy:
0.8274 [=====>.....] - ETA: 0s - loss: 0.8045 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.8042 - accuracy:
0.8271 [=====>.....] - ETA: 0s - loss: 0.8042 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.8012 - accuracy:
0.8269 [=====>.....] - ETA: 0s - loss: 0.8012 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.7989 - accuracy:
512/750 [=====>.....] - ETA: 0s - loss: 0.7989 - accuracy:

0.8282 [=====>.....] - ETA: 0s - loss: 0.8004 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.8004 - accuracy:
0.8278 [=====>.....] - ETA: 0s - loss: 0.8011 - accuracy:
661/750 [=====>.....] - ETA: 0s - loss: 0.8011 - accuracy:
0.8277 [=====>.....] - ETA: 0s - loss: 0.8007 - accuracy:
736/750 [=====>.....] - ETA: 0s - loss: 0.8007 - accuracy:
0.8280 [=====>.....] - ETA: 0s - loss: 0.8007 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.7997 - accuracy:
0.8285 - val_loss: 0.7974 - val_accuracy: 0.8288
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.8495 - accuracy:
0.7812 [.....] - ETA: 0s - loss: 0.8495 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.8234 - accuracy:
0.8161 [=>.....] - ETA: 0s - loss: 0.8234 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.8089 - accuracy:
0.8223 [===>.....] - ETA: 0s - loss: 0.8089 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.8081 - accuracy:
0.8247 [=====>.....] - ETA: 0s - loss: 0.8081 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.8032 - accuracy:
0.8273 [=====>.....] - ETA: 0s - loss: 0.8032 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8279 [=====>.....] - ETA: 0s - loss: 0.8019 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.7997 - accuracy:
0.8283 [=====>.....] - ETA: 0s - loss: 0.7997 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.7980 - accuracy:
0.8288 [=====>.....] - ETA: 0s - loss: 0.7980 - accuracy:
558/750 [=====>.....] - ETA: 0s - loss: 0.7983 - accuracy:
0.8287 [=====>.....] - ETA: 0s - loss: 0.7983 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.7962 - accuracy:
0.8300 [=====>.....] - ETA: 0s - loss: 0.7962 - accuracy:
702/750 [=====>.....] - ETA: 0s - loss: 0.7957 - accuracy:
0.8296 [=====>.....] - ETA: 0s - loss: 0.7957 - accuracy:
750/750 [=====] - 1s 862us/step - loss: 0.7952 - accuracy:
0.8297 - val_loss: 0.7944 - val_accuracy: 0.8280
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.6956 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6956 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.8103 - accuracy:
0.8263 [=>.....] - ETA: 0s - loss: 0.8103 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.7983 - accuracy:
0.8284 [===>.....] - ETA: 0s - loss: 0.7983 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.7940 - accuracy:
0.8277 [=====>.....] - ETA: 0s - loss: 0.7940 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.7941 - accuracy:
0.8277 [=====>.....] - ETA: 0s - loss: 0.7941 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.7921 - accuracy:
0.8291 [=====>.....] - ETA: 0s - loss: 0.7921 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.7924 - accuracy:

0.8283 [=====>.....] - ETA: 0s - loss: 0.7893 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.7908 - accuracy:
0.8297 [=====>....] - ETA: 0s - loss: 0.7906 - accuracy:
592/750 [=====>.] - ETA: 0s - loss: 0.7902 - accuracy:
0.8291 [=====] - 1s 828us/step - loss: 0.7909 - accuracy:
668/750 [=====] - 1s 829us/step - loss: 0.7919 - accuracy:
739/750 [=====] - 1s 828us/step - loss: 0.7919 - accuracy:
0.8297 [=====] - 1s 828us/step - loss: 0.7919 - accuracy:
750/750 [=====] - 1s 828us/step - loss: 0.7909 - accuracy:
0.8295 - val_loss: 0.7919 - val_accuracy: 0.8314
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 1.0356 - accuracy:
0.7500 [=>.....] - ETA: 0s - loss: 0.8046 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.8046 - accuracy:
0.8332 [====>.....] - ETA: 0s - loss: 0.7922 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.7914 - accuracy:
0.8334 [=====>.....] - ETA: 0s - loss: 0.7869 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.7867 - accuracy:
0.8328 [=====>.....] - ETA: 0s - loss: 0.7835 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.7852 - accuracy:
0.8335 [=====>.....] - ETA: 0s - loss: 0.7863 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.7879 - accuracy:
0.8327 [=====>....] - ETA: 0s - loss: 0.7873 - accuracy:
445/750 [=====>....] - ETA: 0s - loss: 0.7873 - accuracy:
0.8338 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
520/750 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
0.8334 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
593/750 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
0.8328 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
662/750 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
0.8327 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
738/750 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
0.8324 [=====>....] - ETA: 0s - loss: 0.7866 - accuracy:
750/750 [=====>....] - 1s 829us/step - loss: 0.7866 - accuracy:
0.8325 - val_loss: 0.7903 - val_accuracy: 0.8300
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.8306 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.7909 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.7909 - accuracy:
0.8242 [====>.....] - ETA: 0s - loss: 0.7831 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.7819 - accuracy:
0.8298 [=====>.....] - ETA: 0s - loss: 0.7818 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.7818 - accuracy:
0.8300 [=====>.....] - ETA: 0s - loss: 0.7809 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.7809 - accuracy:
0.8323 [=====>.....] - ETA: 0s - loss: 0.7809 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.7809 - accuracy:

0.8325 [=====>.....] - ETA: 0s - loss: 0.7814 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.7814 - accuracy:
0.8324 [=====>.....] - ETA: 0s - loss: 0.7862 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.7862 - accuracy:
0.8314 [=====>.....] - ETA: 0s - loss: 0.7858 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.7858 - accuracy:
0.8317 [=====>.....] - ETA: 0s - loss: 0.7846 - accuracy:
669/750 [=====>.....] - ETA: 0s - loss: 0.7846 - accuracy:
0.8322 [=====>.....] - ETA: 0s - loss: 0.7832 - accuracy:
745/750 [=====>.....] - ETA: 0s - loss: 0.7832 - accuracy:
0.8331 [=====>.....] - ETA: 0s - loss: 0.7827 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.7827 - accuracy:
0.8333 - val_loss: 0.7837 - val_accuracy: 0.8328
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.7832 - accuracy:
0.8438 [=====>.....] - ETA: 0s - loss: 0.7794 - accuracy:
77/750 [=====>.....] - ETA: 0s - loss: 0.7794 - accuracy:
0.8379 [=====>.....] - ETA: 0s - loss: 0.7766 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.7766 - accuracy:
0.8396 [=====>.....] - ETA: 0s - loss: 0.7793 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.7793 - accuracy:
0.8374 [=====>.....] - ETA: 0s - loss: 0.7799 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.7799 - accuracy:
0.8363 [=====>.....] - ETA: 0s - loss: 0.7808 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.7808 - accuracy:
0.8358 [=====>.....] - ETA: 0s - loss: 0.7786 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.7786 - accuracy:
0.8353 [=====>.....] - ETA: 0s - loss: 0.7787 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.7787 - accuracy:
0.8355 [=====>.....] - ETA: 0s - loss: 0.7789 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.7789 - accuracy:
0.8352 [=====>.....] - ETA: 0s - loss: 0.7810 - accuracy:
657/750 [=====>.....] - ETA: 0s - loss: 0.7810 - accuracy:
0.8339 [=====>.....] - ETA: 0s - loss: 0.7801 - accuracy:
731/750 [=====>.....] - ETA: 0s - loss: 0.7801 - accuracy:
0.8345 [=====>.....] - ETA: 0s - loss: 0.7789 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.7789 - accuracy:
0.8349 - val_loss: 0.7797 - val_accuracy: 0.8346
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.6756 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.7717 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.7717 - accuracy:
0.8373 [=====>.....] - ETA: 0s - loss: 0.7780 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.7780 - accuracy:
0.8363 [=====>.....] - ETA: 0s - loss: 0.7761 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.7761 - accuracy:
0.8359 [=====>.....] - ETA: 0s - loss: 0.7701 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.7701 - accuracy:

0.8387 [.....] - ETA: 0s - loss: 0.7699 - accuracy: 0.8396
371/750 [=====>.....] - ETA: 0s - loss: 0.7699 - accuracy: 0.8396
0.8396 [.....] - ETA: 0s - loss: 0.7732 - accuracy: 0.8368
443/750 [=====>.....] - ETA: 0s - loss: 0.7732 - accuracy: 0.8368
0.8368 [.....] - ETA: 0s - loss: 0.7736 - accuracy: 0.8378
516/750 [=====>.....] - ETA: 0s - loss: 0.7736 - accuracy: 0.8378
0.8378 [.....] - ETA: 0s - loss: 0.7767 - accuracy: 0.8366
591/750 [=====>.....] - ETA: 0s - loss: 0.7767 - accuracy: 0.8366
0.8366 [.....] - ETA: 0s - loss: 0.7766 - accuracy: 0.8364
665/750 [=====>....] - ETA: 0s - loss: 0.7766 - accuracy: 0.8364
0.8364 [.....] - ETA: 0s - loss: 0.7750 - accuracy: 0.8365
739/750 [=====>.] - ETA: 0s - loss: 0.7750 - accuracy: 0.8365
0.8365 [.....] - 1s 829us/step - loss: 0.7748 - accuracy: 0.8366
750/750 [=====] - 1s 829us/step - loss: 0.7748 - accuracy: 0.8366
0.8366 - val_loss: 0.7742 - val_accuracy: 0.8380
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.9779 - accuracy: 0.8281
0.8281 [.....] - ETA: 0s - loss: 0.7424 - accuracy: 0.8433
76/750 [==>.....] - ETA: 0s - loss: 0.7424 - accuracy: 0.8433
0.8433 [.....] - ETA: 0s - loss: 0.7651 - accuracy: 0.8379
148/750 [====>.....] - ETA: 0s - loss: 0.7651 - accuracy: 0.8379
0.8379 [.....] - ETA: 0s - loss: 0.7681 - accuracy: 0.8376
222/750 [=====>.....] - ETA: 0s - loss: 0.7681 - accuracy: 0.8376
0.8376 [.....] - ETA: 0s - loss: 0.7762 - accuracy: 0.8364
298/750 [=====>.....] - ETA: 0s - loss: 0.7762 - accuracy: 0.8364
0.8364 [.....] - ETA: 0s - loss: 0.7772 - accuracy: 0.8353
371/750 [=====>.....] - ETA: 0s - loss: 0.7772 - accuracy: 0.8353
0.8353 [.....] - ETA: 0s - loss: 0.7757 - accuracy: 0.8360
443/750 [=====>.....] - ETA: 0s - loss: 0.7757 - accuracy: 0.8360
0.8360 [.....] - ETA: 0s - loss: 0.7725 - accuracy: 0.8367
517/750 [=====>.....] - ETA: 0s - loss: 0.7725 - accuracy: 0.8367
0.8367 [.....] - ETA: 0s - loss: 0.7721 - accuracy: 0.8370
591/750 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy: 0.8370
0.8370 [.....] - ETA: 0s - loss: 0.7709 - accuracy: 0.8377
667/750 [=====>....] - ETA: 0s - loss: 0.7709 - accuracy: 0.8377
0.8377 [.....] - ETA: 0s - loss: 0.7705 - accuracy: 0.8376
739/750 [=====>.] - ETA: 0s - loss: 0.7705 - accuracy: 0.8376
0.8376 [.....] - 1s 832us/step - loss: 0.7710 - accuracy: 0.8376
750/750 [=====] - 1s 832us/step - loss: 0.7710 - accuracy: 0.8376
0.8376 - val_loss: 0.7720 - val_accuracy: 0.8379
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.7800 - accuracy: 0.8125
0.8125 [.....] - ETA: 0s - loss: 0.7939 - accuracy: 0.8279
75/750 [==>.....] - ETA: 0s - loss: 0.7939 - accuracy: 0.8279
0.8279 [.....] - ETA: 0s - loss: 0.7783 - accuracy: 0.8326
151/750 [====>.....] - ETA: 0s - loss: 0.7783 - accuracy: 0.8326
0.8326 [.....] - ETA: 0s - loss: 0.7731 - accuracy: 0.8326
226/750 [=====>.....] - ETA: 0s - loss: 0.7731 - accuracy: 0.8326

0.8337 [=====>.....] - ETA: 0s - loss: 0.7713 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.7713 - accuracy:
0.8358 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy:
0.8351 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy:
0.8357 [=====>.....] - ETA: 0s - loss: 0.7708 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.7708 - accuracy:
0.8355 [=====>.....] - ETA: 0s - loss: 0.7700 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.7700 - accuracy:
0.8364 [=====>.....] - ETA: 0s - loss: 0.7682 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.7682 - accuracy:
0.8372 [=====>....] - ETA: 0s - loss: 0.7679 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.7679 - accuracy:
0.8380 [=====>.] - ETA: 0s - loss: 0.7677 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.7677 - accuracy:
0.8379 - val_loss: 0.7687 - val_accuracy: 0.8387
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.5961 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.7559 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.7559 - accuracy:
0.8418 [====>.....] - ETA: 0s - loss: 0.7493 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.7493 - accuracy:
0.8435 [====>.....] - ETA: 0s - loss: 0.7529 - accuracy:
222/750 [====>.....] - ETA: 0s - loss: 0.7529 - accuracy:
0.8442 [====>.....] - ETA: 0s - loss: 0.7537 - accuracy:
298/750 [====>.....] - ETA: 0s - loss: 0.7537 - accuracy:
0.8460 [====>.....] - ETA: 0s - loss: 0.7554 - accuracy:
373/750 [====>.....] - ETA: 0s - loss: 0.7554 - accuracy:
0.8450 [====>.....] - ETA: 0s - loss: 0.7560 - accuracy:
449/750 [====>.....] - ETA: 0s - loss: 0.7560 - accuracy:
0.8443 [====>.....] - ETA: 0s - loss: 0.7598 - accuracy:
522/750 [====>.....] - ETA: 0s - loss: 0.7598 - accuracy:
0.8430 [====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
597/750 [====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
0.8406 [====>.....] - ETA: 0s - loss: 0.7633 - accuracy:
672/750 [====>....] - ETA: 0s - loss: 0.7633 - accuracy:
0.8399 [====>....] - ETA: 0s - loss: 0.7638 - accuracy:
746/750 [====>.] - ETA: 0s - loss: 0.7638 - accuracy:
0.8392 [====>.] - ETA: 0s - loss: 0.7640 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.7640 - accuracy:
0.8392 - val_loss: 0.7662 - val_accuracy: 0.8394
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.7373 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.7633 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.7633 - accuracy:
0.8408 [====>.....] - ETA: 0s - loss: 0.7546 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.7546 - accuracy:

0.8436 [=====>.....] - ETA: 0s - loss: 0.7670 - accuracy: 0.8387
295/750 [=====>.....] - ETA: 0s - loss: 0.7628 - accuracy: 0.8404
369/750 [=====>.....] - ETA: 0s - loss: 0.7647 - accuracy: 0.8394
440/750 [=====>.....] - ETA: 0s - loss: 0.7649 - accuracy: 0.8391
514/750 [=====>.....] - ETA: 0s - loss: 0.7634 - accuracy: 0.8393
590/750 [=====>.....] - ETA: 0s - loss: 0.7615 - accuracy: 0.8399
664/750 [=====>....] - ETA: 0s - loss: 0.7612 - accuracy: 0.8401
738/750 [=====>.] - ETA: 0s - loss: 0.7612 - accuracy: 0.8402
750/750 [=====] - 1s 829us/step - loss: 0.7608 - accuracy: 0.8402 - val_loss: 0.7623 - val_accuracy: 0.8426
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.5926 - accuracy: 0.9375
77/750 [==>.....] - ETA: 0s - loss: 0.7430 - accuracy: 0.8476
150/750 [====>.....] - ETA: 0s - loss: 0.7546 - accuracy: 0.8445
224/750 [=====>.....] - ETA: 0s - loss: 0.7629 - accuracy: 0.8419
299/750 [=====>.....] - ETA: 0s - loss: 0.7616 - accuracy: 0.8411
372/750 [=====>.....] - ETA: 0s - loss: 0.7603 - accuracy: 0.8415
446/750 [=====>.....] - ETA: 0s - loss: 0.7593 - accuracy: 0.8418
520/750 [=====>.....] - ETA: 0s - loss: 0.7589 - accuracy: 0.8416
592/750 [=====>.....] - ETA: 0s - loss: 0.7586 - accuracy: 0.8413
668/750 [=====>....] - ETA: 0s - loss: 0.7573 - accuracy: 0.8416
741/750 [=====>.] - ETA: 0s - loss: 0.7578 - accuracy: 0.8418
750/750 [=====] - 1s 828us/step - loss: 0.7577 - accuracy: 0.8417 - val_loss: 0.7615 - val_accuracy: 0.8408
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.7028 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.7612 - accuracy:

0.8414 [.....] - ETA: 0s - loss: 0.7561 - accuracy: 0.8409
150/750 [=====>.....] - ETA: 0s - loss: 0.7561 - accuracy: 0.8409
222/750 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy: 0.8418
296/750 [=====>.....] - ETA: 0s - loss: 0.7475 - accuracy: 0.8439
371/750 [=====>.....] - ETA: 0s - loss: 0.7520 - accuracy: 0.8428
442/750 [=====>.....] - ETA: 0s - loss: 0.7532 - accuracy: 0.8424
517/750 [=====>.....] - ETA: 0s - loss: 0.7522 - accuracy: 0.8423
592/750 [=====>.....] - ETA: 0s - loss: 0.7553 - accuracy: 0.8413
666/750 [=====>....] - ETA: 0s - loss: 0.7547 - accuracy: 0.8420
742/750 [=====>.] - ETA: 0s - loss: 0.7541 - accuracy: 0.8421
750/750 [=====] - 1s 828us/step - loss: 0.7539 - accuracy: 0.8420 - val_loss: 0.7580 - val_accuracy: 0.8420
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.7609 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.7448 - accuracy: 0.8470
148/750 [====>.....] - ETA: 0s - loss: 0.7388 - accuracy: 0.8484
223/750 [=====>.....] - ETA: 0s - loss: 0.7435 - accuracy: 0.8444
298/750 [=====>.....] - ETA: 0s - loss: 0.7455 - accuracy: 0.8439
374/750 [=====>.....] - ETA: 0s - loss: 0.7483 - accuracy: 0.8445
446/750 [=====>.....] - ETA: 0s - loss: 0.7489 - accuracy: 0.8443
520/750 [=====>.....] - ETA: 0s - loss: 0.7494 - accuracy: 0.8442
595/750 [=====>.....] - ETA: 0s - loss: 0.7510 - accuracy: 0.8432
670/750 [=====>....] - ETA: 0s - loss: 0.7508 - accuracy: 0.8431
742/750 [=====>.] - ETA: 0s - loss: 0.7507 - accuracy: 0.8431
750/750 [=====] - 1s 828us/step - loss: 0.7511 - accuracy: 0.8430 - val_loss: 0.7545 - val_accuracy: 0.8446
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.6868 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.7486 - accuracy: 0.8429
75/750 [==>.....] - ETA: 0s - loss: 0.7432 - accuracy: 0.8444
150/750 [=====>.....] - ETA: 0s - loss: 0.7417 - accuracy: 0.8453
224/750 [=====>.....] - ETA: 0s - loss: 0.7464 - accuracy: 0.8457
297/750 [======>.....] - ETA: 0s - loss: 0.7465 - accuracy: 0.8459
374/750 [======>.....] - ETA: 0s - loss: 0.7462 - accuracy: 0.8462
448/750 [======>.....] - ETA: 0s - loss: 0.7474 - accuracy: 0.8451
523/750 [======>.....] - ETA: 0s - loss: 0.7491 - accuracy: 0.8440
599/750 [======>.....] - ETA: 0s - loss: 0.7475 - accuracy: 0.8451
671/750 [======>....] - ETA: 0s - loss: 0.7477 - accuracy: 0.8446
747/750 [======>.] - ETA: 0s - loss: 0.7478 - accuracy: 0.8446
750/750 [=====] - 1s 822us/step - loss: 0.7478 - accuracy: 0.8446 - val_loss: 0.7538 - val_accuracy: 0.8424
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.7469 - accuracy: 0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.7379 - accuracy: 0.8429
147/750 [===>.....] - ETA: 0s - loss: 0.7429 - accuracy: 0.8435
220/750 [=====>.....] - ETA: 0s - loss: 0.7391 - accuracy: 0.8449
294/750 [=====>.....] - ETA: 0s - loss: 0.7389 - accuracy: 0.8463
368/750 [======>.....] - ETA: 0s - loss: 0.7421 - accuracy: 0.8463
443/750 [======>.....] - ETA: 0s - loss: 0.7399 - accuracy: 0.8467
516/750 [======>.....] - ETA: 0s - loss: 0.7413 - accuracy: 0.8463
591/750 [======>.....] - ETA: 0s - loss: 0.7430 - accuracy: 0.8462
666/750 [======>....] - ETA: 0s - loss: 0.7436 - accuracy: 0.8458
741/750 [======>.] - ETA: 0s - loss: 0.7449 - accuracy: 0.8452
750/750 [=====] - 1s 826us/step - loss: 0.7450 - accuracy: 0.8452 - val_loss: 0.7493 - val_accuracy: 0.8457
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.7366 - accuracy: 0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.7361 - accuracy: 0.8507
150/750 [=====>.....] - ETA: 0s - loss: 0.7362 - accuracy: 0.8471
225/750 [=====>.....] - ETA: 0s - loss: 0.7361 - accuracy: 0.8487
300/750 [=====>.....] - ETA: 0s - loss: 0.7376 - accuracy: 0.8486
375/750 [=====>.....] - ETA: 0s - loss: 0.7395 - accuracy: 0.8479
450/750 [=====>.....] - ETA: 0s - loss: 0.7401 - accuracy: 0.8475
522/750 [=====>.....] - ETA: 0s - loss: 0.7416 - accuracy: 0.8467
596/750 [=====>.....] - ETA: 0s - loss: 0.7432 - accuracy: 0.8457
668/750 [=====>....] - ETA: 0s - loss: 0.7419 - accuracy: 0.8461
743/750 [=====>.] - ETA: 0s - loss: 0.7417 - accuracy: 0.8465
750/750 [=====>] - 1s 826us/step - loss: 0.7418 - accuracy: 0.8465 - val_loss: 0.7473 - val_accuracy: 0.8451
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.9437 - accuracy: 0.7812
76/750 [=>.....] - ETA: 0s - loss: 0.7585 - accuracy: 0.8433
149/750 [=====>.....] - ETA: 0s - loss: 0.7471 - accuracy: 0.8445
222/750 [=====>.....] - ETA: 0s - loss: 0.7402 - accuracy: 0.8464
297/750 [=====>.....] - ETA: 0s - loss: 0.7381 - accuracy: 0.8469
371/750 [=====>.....] - ETA: 0s - loss: 0.7394 - accuracy: 0.8465
445/750 [=====>.....] - ETA: 0s - loss: 0.7391 - accuracy: 0.8469
519/750 [=====>.....] - ETA: 0s - loss: 0.7376 - accuracy: 0.8471
593/750 [=====>.....] - ETA: 0s - loss: 0.7397 - accuracy: 0.8470
668/750 [=====>....] - ETA: 0s - loss: 0.7394 - accuracy: 0.8475
742/750 [=====>.] - ETA: 0s - loss: 0.7392 - accuracy: 0.8471
750/750 [=====>] - 1s 828us/step - loss: 0.7392 - accuracy:

0.8469 - val_loss: 0.7433 - val_accuracy: 0.8478
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.7384 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.7449 - accuracy: 0.8414
150/750 [=====>.....] - ETA: 0s - loss: 0.7477 - accuracy: 0.8434
224/750 [======>.....] - ETA: 0s - loss: 0.7360 - accuracy: 0.8476
296/750 [======>.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.8476
372/750 [======>.....] - ETA: 0s - loss: 0.7339 - accuracy: 0.8477
448/750 [======>.....] - ETA: 0s - loss: 0.7338 - accuracy: 0.8481
520/750 [======>.....] - ETA: 0s - loss: 0.7368 - accuracy: 0.8466
593/750 [======>.....] - ETA: 0s - loss: 0.7361 - accuracy: 0.8470
665/750 [======>....] - ETA: 0s - loss: 0.7350 - accuracy: 0.8480
740/750 [======>.] - ETA: 0s - loss: 0.7362 - accuracy: 0.8475
750/750 [=====] - 1s 825us/step - loss: 0.7361 - accuracy: 0.8476 - val_loss: 0.7398 - val_accuracy: 0.8467
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.8594
76/750 [=>.....] - ETA: 0s - loss: 0.7299 - accuracy: 0.8505
151/750 [=====>.....] - ETA: 0s - loss: 0.7328 - accuracy: 0.8534
225/750 [======>.....] - ETA: 0s - loss: 0.7334 - accuracy: 0.8524
300/750 [======>.....] - ETA: 0s - loss: 0.7316 - accuracy: 0.8510
375/750 [======>.....] - ETA: 0s - loss: 0.7307 - accuracy: 0.8501
449/750 [======>.....] - ETA: 0s - loss: 0.7312 - accuracy: 0.8499
522/750 [======>.....] - ETA: 0s - loss: 0.7316 - accuracy: 0.8496
596/750 [======>.....] - ETA: 0s - loss: 0.7324 - accuracy: 0.8489
671/750 [======>....] - ETA: 0s - loss: 0.7331 - accuracy: 0.8487
743/750 [======>.] - ETA: 0s - loss: 0.7342 - accuracy:

0.8480
750/750 [=====] - 1s 825us/step - loss: 0.7334 - accuracy:
0.8483 - val_loss: 0.7401 - val_accuracy: 0.8485
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.7570 - accuracy:
0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.7375 - accuracy:
0.8474
148/750 [====>.....] - ETA: 0s - loss: 0.7384 - accuracy:
0.8496
221/750 [=====>.....] - ETA: 0s - loss: 0.7394 - accuracy:
0.8476
297/750 [======>.....] - ETA: 0s - loss: 0.7383 - accuracy:
0.8468
373/750 [======>.....] - ETA: 0s - loss: 0.7352 - accuracy:
0.8465
446/750 [======>.....] - ETA: 0s - loss: 0.7354 - accuracy:
0.8466
520/750 [======>.....] - ETA: 0s - loss: 0.7336 - accuracy:
0.8479
596/750 [======>.....] - ETA: 0s - loss: 0.7303 - accuracy:
0.8496
670/750 [======>....] - ETA: 0s - loss: 0.7303 - accuracy:
0.8495
746/750 [======>.] - ETA: 0s - loss: 0.7308 - accuracy:
0.8491
750/750 [=====] - 1s 826us/step - loss: 0.7308 - accuracy:
0.8491 - val_loss: 0.7350 - val_accuracy: 0.8484
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.7673 - accuracy:
0.8594
77/750 [=>.....] - ETA: 0s - loss: 0.7274 - accuracy:
0.8543
150/750 [====>.....] - ETA: 0s - loss: 0.7380 - accuracy:
0.8514
226/750 [=====>.....] - ETA: 0s - loss: 0.7350 - accuracy:
0.8505
300/750 [======>.....] - ETA: 0s - loss: 0.7338 - accuracy:
0.8504
373/750 [======>.....] - ETA: 0s - loss: 0.7298 - accuracy:
0.8507
445/750 [======>.....] - ETA: 0s - loss: 0.7325 - accuracy:
0.8483
516/750 [======>.....] - ETA: 0s - loss: 0.7291 - accuracy:
0.8494
589/750 [======>.....] - ETA: 0s - loss: 0.7270 - accuracy:
0.8505
664/750 [======>....] - ETA: 0s - loss: 0.7273 - accuracy:

0.8506 [=====>.] - ETA: 0s - loss: 0.7283 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.7283 - accuracy:
0.8503 [=====] - 1s 837us/step - loss: 0.7283 - accuracy:
0.8503 - val_loss: 0.7325 - val_accuracy: 0.8491
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.7439 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.7264 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.7264 - accuracy:
0.8533 [====>.....] - ETA: 0s - loss: 0.7249 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.7249 - accuracy:
0.8547 [=====>.....] - ETA: 0s - loss: 0.7219 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.7219 - accuracy:
0.8544 [=====>.....] - ETA: 0s - loss: 0.7217 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.7217 - accuracy:
0.8539 [=====>.....] - ETA: 0s - loss: 0.7261 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.7261 - accuracy:
0.8525 [=====>.....] - ETA: 0s - loss: 0.7255 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.7255 - accuracy:
0.8516 [=====>.....] - ETA: 0s - loss: 0.7247 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.7247 - accuracy:
0.8514 [=====>.....] - ETA: 0s - loss: 0.7261 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.7261 - accuracy:
0.8505 [=====>....] - ETA: 0s - loss: 0.7241 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.7241 - accuracy:
0.8517 [=====>.] - ETA: 0s - loss: 0.7257 - accuracy:
741/750 [=====>.] - ETA: 0s - loss: 0.7257 - accuracy:
0.8512 [=====>.] - ETA: 0s - loss: 0.7255 - accuracy:
750/750 [=====>.] - 1s 832us/step - loss: 0.7255 - accuracy:
0.8513 - val_loss: 0.7296 - val_accuracy: 0.8508
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.8315 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy:
0.8583 [====>.....] - ETA: 0s - loss: 0.7244 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.7244 - accuracy:
0.8511 [=====>.....] - ETA: 0s - loss: 0.7231 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.7231 - accuracy:
0.8520 [=====>.....] - ETA: 0s - loss: 0.7249 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.7249 - accuracy:
0.8520 [=====>.....] - ETA: 0s - loss: 0.7257 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.7257 - accuracy:
0.8519 [=====>.....] - ETA: 0s - loss: 0.7218 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.7218 - accuracy:
0.8523 [=====>.....] - ETA: 0s - loss: 0.7241 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.7241 - accuracy:
0.8522 [=====>.....] - ETA: 0s - loss: 0.7250 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.7250 - accuracy:

0.8515 [=====>....] - ETA: 0s - loss: 0.7230 - accuracy:
0.8523 [=====>....] - ETA: 0s - loss: 0.7236 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.7231 - accuracy:
0.8521 [=====] - 1s 833us/step - loss: 0.7231 - accuracy:
0.8521 - val_loss: 0.7276 - val_accuracy: 0.8514
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.7237 - accuracy:
0.8750 [=====>....] - ETA: 0s - loss: 0.7122 - accuracy:
76/750 [=====>....] - ETA: 0s - loss: 0.7164 - accuracy:
0.8594 [=====>....] - ETA: 0s - loss: 0.7177 - accuracy:
146/750 [=====>....] - ETA: 0s - loss: 0.7154 - accuracy:
0.8573 [=====>....] - ETA: 0s - loss: 0.7139 - accuracy:
218/750 [=====>....] - ETA: 0s - loss: 0.7188 - accuracy:
0.8567 [=====>....] - ETA: 0s - loss: 0.7174 - accuracy:
294/750 [=====>....] - ETA: 0s - loss: 0.7197 - accuracy:
0.8560 [=====>....] - ETA: 0s - loss: 0.7206 - accuracy:
366/750 [=====>....] - ETA: 0s - loss: 0.7201 - accuracy:
0.8554 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
440/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8536 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
513/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8541 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
587/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8540 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
660/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8532 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
734/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8529 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.7203 - accuracy:
0.8527 - val_loss: 0.7275 - val_accuracy: 0.8528
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.6979 - accuracy:
0.8438 [=====>....] - ETA: 0s - loss: 0.7344 - accuracy:
75/750 [=====>....] - ETA: 0s - loss: 0.7286 - accuracy:
0.8483 [=====>....] - ETA: 0s - loss: 0.7216 - accuracy:
151/750 [=====>....] - ETA: 0s - loss: 0.7218 - accuracy:
0.8521 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
224/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8534 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
298/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8547 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
374/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8549 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
447/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
0.8537 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:
523/750 [=====>....] - ETA: 0s - loss: 0.7203 - accuracy:

0.8533
595/750 [=====>.....] - ETA: 0s - loss: 0.7194 - accuracy: 0.8536
668/750 [=====>....] - ETA: 0s - loss: 0.7182 - accuracy: 0.8544
745/750 [=====>.] - ETA: 0s - loss: 0.7178 - accuracy: 0.8546
750/750 [=====] - 1s 824us/step - loss: 0.7179 - accuracy: 0.8544 - val_loss: 0.7266 - val_accuracy: 0.8503
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.6213 - accuracy: 0.9062
75/750 [=>.....] - ETA: 0s - loss: 0.7133 - accuracy: 0.8575
147/750 [===>.....] - ETA: 0s - loss: 0.7115 - accuracy: 0.8563
224/750 [=====>.....] - ETA: 0s - loss: 0.7158 - accuracy: 0.8544
296/750 [=====>.....] - ETA: 0s - loss: 0.7129 - accuracy: 0.8560
371/750 [=====>.....] - ETA: 0s - loss: 0.7131 - accuracy: 0.8564
444/750 [=====>.....] - ETA: 0s - loss: 0.7112 - accuracy: 0.8564
517/750 [=====>.....] - ETA: 0s - loss: 0.7146 - accuracy: 0.8554
590/750 [=====>.....] - ETA: 0s - loss: 0.7143 - accuracy: 0.8550
659/750 [=====>....] - ETA: 0s - loss: 0.7139 - accuracy: 0.8548
731/750 [=====>.] - ETA: 0s - loss: 0.7164 - accuracy: 0.8539
750/750 [=====] - 1s 840us/step - loss: 0.7157 - accuracy: 0.8542 - val_loss: 0.7233 - val_accuracy: 0.8521
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.7737 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.7256 - accuracy: 0.8477
142/750 [===>.....] - ETA: 0s - loss: 0.7212 - accuracy: 0.8509
214/750 [=====>.....] - ETA: 0s - loss: 0.7132 - accuracy: 0.8550
286/750 [=====>.....] - ETA: 0s - loss: 0.7095 - accuracy: 0.8568
355/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy: 0.8572
427/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy:

0.8576 [=====>.....] - ETA: 0s - loss: 0.7124 - accuracy: 0.8556
572/750 [=====>.....] - ETA: 0s - loss: 0.7135 - accuracy: 0.8552
643/750 [=====>.....] - ETA: 0s - loss: 0.7141 - accuracy: 0.8544
716/750 [=====>..] - ETA: 0s - loss: 0.7149 - accuracy: 0.8543
750/750 [=====] - 1s 853us/step - loss: 0.7134 - accuracy: 0.8550 - val_loss: 0.7249 - val_accuracy: 0.8512
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.7780 - accuracy: 0.8125
72/750 [=>.....] - ETA: 0s - loss: 0.7208 - accuracy: 0.8537
143/750 [====>.....] - ETA: 0s - loss: 0.7014 - accuracy: 0.8598
217/750 [=====>.....] - ETA: 0s - loss: 0.7036 - accuracy: 0.8597
291/750 [=====>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.8574
365/750 [=====>.....] - ETA: 0s - loss: 0.7045 - accuracy: 0.8583
438/750 [=====>.....] - ETA: 0s - loss: 0.7075 - accuracy: 0.8573
512/750 [=====>.....] - ETA: 0s - loss: 0.7107 - accuracy: 0.8559
587/750 [=====>.....] - ETA: 0s - loss: 0.7121 - accuracy: 0.8554
659/750 [=====>....] - ETA: 0s - loss: 0.7122 - accuracy: 0.8557
732/750 [=====>.] - ETA: 0s - loss: 0.7111 - accuracy: 0.8566
750/750 [=====] - 1s 835us/step - loss: 0.7109 - accuracy: 0.8566 - val_loss: 0.7185 - val_accuracy: 0.8536
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.7198 - accuracy: 0.8457
148/750 [====>.....] - ETA: 0s - loss: 0.7129 - accuracy: 0.8504
222/750 [=====>.....] - ETA: 0s - loss: 0.7128 - accuracy: 0.8535
296/750 [=====>.....] - ETA: 0s - loss: 0.7172 - accuracy: 0.8529
369/750 [=====>.....] - ETA: 0s - loss: 0.7161 - accuracy:

0.8535 [=====>.....] - ETA: 0s - loss: 0.7145 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.7145 - accuracy:
0.8546 [=====>.....] - ETA: 0s - loss: 0.7152 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.7152 - accuracy:
0.8545 [=====>.....] - ETA: 0s - loss: 0.7117 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.7117 - accuracy:
0.8551 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
658/750 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
0.8555 [=====>.....] - ETA: 0s - loss: 0.7088 - accuracy:
732/750 [=====>.....] - ETA: 0s - loss: 0.7088 - accuracy:
0.8561 [=====>.....] - ETA: 0s - loss: 0.7086 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.7086 - accuracy:
0.8563 - val_loss: 0.7159 - val_accuracy: 0.8542
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.5603 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.7154 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.7154 - accuracy:
0.8568 [=>.....] - ETA: 0s - loss: 0.7138 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.7138 - accuracy:
0.8578 [====>.....] - ETA: 0s - loss: 0.7085 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.7085 - accuracy:
0.8575 [=====>.....] - ETA: 0s - loss: 0.7080 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.7080 - accuracy:
0.8569 [=====>.....] - ETA: 0s - loss: 0.7095 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.7095 - accuracy:
0.8559 [=====>.....] - ETA: 0s - loss: 0.7086 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.7086 - accuracy:
0.8562 [=====>.....] - ETA: 0s - loss: 0.7057 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.7057 - accuracy:
0.8569 [=====>.....] - ETA: 0s - loss: 0.7076 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.7076 - accuracy:
0.8561 [=====>.....] - ETA: 0s - loss: 0.7076 - accuracy:
665/750 [=====>.....] - ETA: 0s - loss: 0.7063 - accuracy:
0.8567 [=====>.....] - ETA: 0s - loss: 0.7063 - accuracy:
740/750 [=====>.....] - ETA: 0s - loss: 0.7063 - accuracy:
0.8570 [=====>.....] - ETA: 0s - loss: 0.7065 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.7065 - accuracy:
0.8571 - val_loss: 0.7173 - val_accuracy: 0.8538
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.8537 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.7089 - accuracy:
77/750 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy:
0.8584 [=>.....] - ETA: 0s - loss: 0.6997 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.6997 - accuracy:
0.8587 [====>.....] - ETA: 0s - loss: 0.7043 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.7043 - accuracy:
0.8576 [=====>.....] - ETA: 0s - loss: 0.7013 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.7013 - accuracy:

0.8582 [=====>.....] - ETA: 0s - loss: 0.7039 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.7039 - accuracy:
0.8580 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy:
0.8569 [=====>.....] - ETA: 0s - loss: 0.7043 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.7043 - accuracy:
0.8571 [=====>.....] - ETA: 0s - loss: 0.7050 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.7050 - accuracy:
0.8568 [=====>.....] - ETA: 0s - loss: 0.7040 - accuracy:
655/750 [=====>.....] - ETA: 0s - loss: 0.7040 - accuracy:
0.8577 [=====>.....] - ETA: 0s - loss: 0.7041 - accuracy:
726/750 [=====>.....] - ETA: 0s - loss: 0.7041 - accuracy:
0.8578 [=====>.....] - ETA: 0s - loss: 0.7044 - accuracy:
750/750 [=====] - 1s 849us/step - loss: 0.7044 - accuracy:
0.8575 - val_loss: 0.7137 - val_accuracy: 0.8532
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.7110 - accuracy:
0.7656 [.....] - ETA: 0s - loss: 0.7087 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.7087 - accuracy:
0.8552 [=>.....] - ETA: 0s - loss: 0.7060 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.7060 - accuracy:
0.8547 [=====>.....] - ETA: 0s - loss: 0.7056 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.7056 - accuracy:
0.8560 [=====>.....] - ETA: 0s - loss: 0.7075 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.7075 - accuracy:
0.8544 [=====>.....] - ETA: 0s - loss: 0.7059 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.7059 - accuracy:
0.8556 [=====>.....] - ETA: 0s - loss: 0.7057 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.7057 - accuracy:
0.8549 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.7051 - accuracy:
0.8565 [=====>.....] - ETA: 0s - loss: 0.7047 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.7047 - accuracy:
0.8563 [=====>.....] - ETA: 0s - loss: 0.7033 - accuracy:
668/750 [=====>.....] - ETA: 0s - loss: 0.7033 - accuracy:
0.8566 [=====>.....] - ETA: 0s - loss: 0.7018 - accuracy:
745/750 [=====>.....] - ETA: 0s - loss: 0.7018 - accuracy:
0.8577 [=====>.....] - ETA: 0s - loss: 0.7021 - accuracy:
750/750 [=====>.....] - 1s 834us/step - loss: 0.7021 - accuracy:
0.8575 - val_loss: 0.7108 - val_accuracy: 0.8547
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.7300 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6954 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.6954 - accuracy:
0.8635 [=>.....] - ETA: 0s - loss: 0.6986 - accuracy:
147/750 [=====>.....] - ETA: 0s - loss: 0.6986 - accuracy:
0.8602 [=====>.....] - ETA: 0s - loss: 0.6980 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.6980 - accuracy:

0.8602 [=====>.....] - ETA: 0s - loss: 0.6973 - accuracy: 0.8596
368/750 [=====>.....] - ETA: 0s - loss: 0.7001 - accuracy: 0.8578
443/750 [=====>.....] - ETA: 0s - loss: 0.6974 - accuracy: 0.8596
516/750 [=====>.....] - ETA: 0s - loss: 0.6996 - accuracy: 0.8594
591/750 [=====>.....] - ETA: 0s - loss: 0.6985 - accuracy: 0.8596
665/750 [=====>....] - ETA: 0s - loss: 0.6997 - accuracy: 0.8590
739/750 [=====>.] - ETA: 0s - loss: 0.6996 - accuracy: 0.8589
750/750 [=====] - 1s 829us/step - loss: 0.6998 - accuracy: 0.8589 - val_loss: 0.7109 - val_accuracy: 0.8548
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.8672
150/750 [====>.....] - ETA: 0s - loss: 0.7012 - accuracy: 0.8598
225/750 [=====>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.8610
300/750 [=====>.....] - ETA: 0s - loss: 0.6973 - accuracy: 0.8612
374/750 [=====>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.8626
444/750 [=====>.....] - ETA: 0s - loss: 0.6929 - accuracy: 0.8611
515/750 [=====>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.8602
587/750 [=====>.....] - ETA: 0s - loss: 0.6958 - accuracy: 0.8593
660/750 [=====>....] - ETA: 0s - loss: 0.6974 - accuracy: 0.8583
736/750 [=====>.] - ETA: 0s - loss: 0.6983 - accuracy: 0.8584
750/750 [=====] - 1s 837us/step - loss: 0.6979 - accuracy: 0.8583 - val_loss: 0.7083 - val_accuracy: 0.8563
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.7039 - accuracy: 0.8575
146/750 [====>.....] - ETA: 0s - loss: 0.6999 - accuracy:

0.8592 [=====>.....] - ETA: 0s - loss: 0.6984 - accuracy: 0.8583
286/750 [=====>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.8568
359/750 [=====>.....] - ETA: 0s - loss: 0.7000 - accuracy: 0.8571
434/750 [=====>.....] - ETA: 0s - loss: 0.6975 - accuracy: 0.8591
506/750 [=====>.....] - ETA: 0s - loss: 0.6972 - accuracy: 0.8597
582/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.8606
650/750 [=====>....] - ETA: 0s - loss: 0.6963 - accuracy: 0.8597
724/750 [=====>..] - ETA: 0s - loss: 0.6953 - accuracy: 0.8605
750/750 [=====] - 1s 845us/step - loss: 0.6959 - accuracy: 0.8600 - val_loss: 0.7080 - val_accuracy: 0.8552
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.7326 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.7134 - accuracy: 0.8519
147/750 [====>.....] - ETA: 0s - loss: 0.7038 - accuracy: 0.8567
220/750 [=====>.....] - ETA: 0s - loss: 0.7014 - accuracy: 0.8565
295/750 [=====>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.8594
367/750 [=====>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.8603
440/750 [=====>.....] - ETA: 0s - loss: 0.6967 - accuracy: 0.8590
514/750 [=====>.....] - ETA: 0s - loss: 0.6932 - accuracy: 0.8604
585/750 [=====>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.8601
659/750 [=====>....] - ETA: 0s - loss: 0.6922 - accuracy: 0.8605
733/750 [=====>..] - ETA: 0s - loss: 0.6937 - accuracy: 0.8604
750/750 [=====] - 1s 836us/step - loss: 0.6941 - accuracy: 0.8602 - val_loss: 0.7064 - val_accuracy: 0.8575
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.6581 - accuracy: 0.8594
75/750 [=>.....] - ETA: 0s - loss: 0.7091 - accuracy:

0.8537 [.....] - ETA: 0s - loss: 0.7041 - accuracy: 0.8582
149/750 [====>.....] - ETA: 0s - loss: 0.6929 - accuracy: 0.8616
224/750 [=====>.....] - ETA: 0s - loss: 0.6901 - accuracy: 0.8624
296/750 [=====>.....] - ETA: 0s - loss: 0.6876 - accuracy: 0.8637
371/750 [=====>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.8628
443/750 [=====>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.8613
515/750 [=====>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.8602
589/750 [=====>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.8599
661/750 [=====>....] - ETA: 0s - loss: 0.6924 - accuracy: 0.8604
735/750 [=====>.] - ETA: 0s - loss: 0.6923 - accuracy: 0.8604
750/750 [=====] - 1s 833us/step - loss: 0.6923 - accuracy: 0.8604 - val_loss: 0.7035 - val_accuracy: 0.8557
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.7266 - accuracy: 0.8594
76/750 [==>.....] - ETA: 0s - loss: 0.6899 - accuracy: 0.8639
150/750 [====>.....] - ETA: 0s - loss: 0.6950 - accuracy: 0.8618
223/750 [=====>.....] - ETA: 0s - loss: 0.6965 - accuracy: 0.8618
299/750 [=====>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.8626
373/750 [=====>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.8605
447/750 [=====>.....] - ETA: 0s - loss: 0.6914 - accuracy: 0.8605
519/750 [=====>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.8616
594/750 [=====>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.8610
669/750 [=====>....] - ETA: 0s - loss: 0.6901 - accuracy: 0.8616
741/750 [=====>.] - ETA: 0s - loss: 0.6902 - accuracy: 0.8611
750/750 [=====] - 1s 826us/step - loss: 0.6903 - accuracy: 0.8609 - val_loss: 0.7038 - val_accuracy: 0.8576
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.7390 - accuracy:

0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.7058 - accuracy:
0.8596
150/750 [====>.....] - ETA: 0s - loss: 0.6972 - accuracy:
0.8578
224/750 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy:
0.8598
296/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy:
0.8595
371/750 [=====>.....] - ETA: 0s - loss: 0.6906 - accuracy:
0.8595
443/750 [=====>.....] - ETA: 0s - loss: 0.6891 - accuracy:
0.8601
518/750 [=====>.....] - ETA: 0s - loss: 0.6884 - accuracy:
0.8605
590/750 [=====>.....] - ETA: 0s - loss: 0.6891 - accuracy:
0.8606
665/750 [=====>....] - ETA: 0s - loss: 0.6902 - accuracy:
0.8602
740/750 [=====>.] - ETA: 0s - loss: 0.6877 - accuracy:
0.8612
750/750 [=====] - 1s 828us/step - loss: 0.6879 - accuracy:
0.8611 - val_loss: 0.7015 - val_accuracy: 0.8574
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.6861 - accuracy:
0.7969
75/750 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy:
0.8700
150/750 [====>.....] - ETA: 0s - loss: 0.6822 - accuracy:
0.8651
226/750 [=====>.....] - ETA: 0s - loss: 0.6849 - accuracy:
0.8630
298/750 [=====>.....] - ETA: 0s - loss: 0.6862 - accuracy:
0.8619
375/750 [=====>.....] - ETA: 0s - loss: 0.6869 - accuracy:
0.8608
450/750 [=====>.....] - ETA: 0s - loss: 0.6879 - accuracy:
0.8610
524/750 [=====>.....] - ETA: 0s - loss: 0.6865 - accuracy:
0.8622
597/750 [=====>.....] - ETA: 0s - loss: 0.6865 - accuracy:
0.8619
673/750 [=====>....] - ETA: 0s - loss: 0.6880 - accuracy:
0.8617
748/750 [=====>.] - ETA: 0s - loss: 0.6860 - accuracy:
0.8623
750/750 [=====] - 1s 820us/step - loss: 0.6861 - accuracy:
0.8623 - val_loss: 0.6986 - val_accuracy: 0.8585
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.7494 - accuracy: 0.8125
74/750 [=>.....] - ETA: 0s - loss: 0.6840 - accuracy: 0.8647
149/750 [====>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.8655
222/750 [=====>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.8632
296/750 [======>.....] - ETA: 0s - loss: 0.6811 - accuracy: 0.8642
369/750 [======>.....] - ETA: 0s - loss: 0.6840 - accuracy: 0.8619
443/750 [======>.....] - ETA: 0s - loss: 0.6851 - accuracy: 0.8617
518/750 [======>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.8624
591/750 [======>.....] - ETA: 0s - loss: 0.6850 - accuracy: 0.8623
667/750 [======>....] - ETA: 0s - loss: 0.6848 - accuracy: 0.8622
743/750 [======>.] - ETA: 0s - loss: 0.6850 - accuracy: 0.8623
750/750 [=====] - 1s 824us/step - loss: 0.6845 - accuracy: 0.8625 - val_loss: 0.6991 - val_accuracy: 0.8559
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.7901 - accuracy: 0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.8585
148/750 [====>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.8554
224/750 [=====>.....] - ETA: 0s - loss: 0.6806 - accuracy: 0.8597
298/750 [======>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.8598
371/750 [======>.....] - ETA: 0s - loss: 0.6857 - accuracy: 0.8596
447/750 [======>.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.8600
519/750 [======>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.8609
594/750 [======>.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.8613
668/750 [======>....] - ETA: 0s - loss: 0.6835 - accuracy: 0.8624
743/750 [======>.] - ETA: 0s - loss: 0.6830 - accuracy: 0.8628
750/750 [=====] - 1s 824us/step - loss: 0.6825 - accuracy:

0.8630 - val_loss: 0.6999 - val_accuracy: 0.8574
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.8668
150/750 [====>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.8637
223/750 [=====>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.8651
299/750 [======>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.8660
374/750 [======>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.8647
449/750 [======>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.8647
525/750 [======>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.8640
598/750 [======>.....] - ETA: 0s - loss: 0.6780 - accuracy: 0.8642
672/750 [======>....] - ETA: 0s - loss: 0.6791 - accuracy: 0.8638
744/750 [======>.] - ETA: 0s - loss: 0.6807 - accuracy: 0.8633
750/750 [=====] - 1s 828us/step - loss: 0.6804 - accuracy: 0.8634 - val_loss: 0.6929 - val_accuracy: 0.8583
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.6831 - accuracy: 0.8670
149/750 [====>.....] - ETA: 0s - loss: 0.6832 - accuracy: 0.8663
222/750 [=====>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.8677
296/750 [======>.....] - ETA: 0s - loss: 0.6772 - accuracy: 0.8664
372/750 [======>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.8656
445/750 [======>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.8645
520/750 [======>.....] - ETA: 0s - loss: 0.6784 - accuracy: 0.8655
595/750 [======>.....] - ETA: 0s - loss: 0.6792 - accuracy: 0.8646
668/750 [======>....] - ETA: 0s - loss: 0.6773 - accuracy: 0.8646
744/750 [======>.] - ETA: 0s - loss: 0.6792 - accuracy:

0.8639
750/750 [=====] - 1s 828us/step - loss: 0.6789 - accuracy:
0.8640 - val_loss: 0.6905 - val_accuracy: 0.8600
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.8182 - accuracy:
0.8125
78/750 [==>.....] - ETA: 0s - loss: 0.6647 - accuracy:
0.8718
152/750 [====>.....] - ETA: 0s - loss: 0.6722 - accuracy:
0.8685
227/750 [=====>.....] - ETA: 0s - loss: 0.6741 - accuracy:
0.8674
301/750 [======>.....] - ETA: 0s - loss: 0.6800 - accuracy:
0.8646
376/750 [======>.....] - ETA: 0s - loss: 0.6824 - accuracy:
0.8630
450/750 [======>.....] - ETA: 0s - loss: 0.6804 - accuracy:
0.8641
524/750 [======>.....] - ETA: 0s - loss: 0.6795 - accuracy:
0.8641
598/750 [======>.....] - ETA: 0s - loss: 0.6800 - accuracy:
0.8642
674/750 [======>....] - ETA: 0s - loss: 0.6791 - accuracy:
0.8638
747/750 [======>.] - ETA: 0s - loss: 0.6775 - accuracy:
0.8641
750/750 [=====] - 1s 824us/step - loss: 0.6775 - accuracy:
0.8642 - val_loss: 0.6927 - val_accuracy: 0.8593
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.6831 - accuracy:
0.8573
151/750 [====>.....] - ETA: 0s - loss: 0.6778 - accuracy:
0.8622
226/750 [=====>.....] - ETA: 0s - loss: 0.6786 - accuracy:
0.8625
301/750 [======>.....] - ETA: 0s - loss: 0.6801 - accuracy:
0.8627
373/750 [======>.....] - ETA: 0s - loss: 0.6771 - accuracy:
0.8646
448/750 [======>.....] - ETA: 0s - loss: 0.6746 - accuracy:
0.8664
524/750 [======>.....] - ETA: 0s - loss: 0.6743 - accuracy:
0.8658
599/750 [======>.....] - ETA: 0s - loss: 0.6761 - accuracy:
0.8653
673/750 [======>....] - ETA: 0s - loss: 0.6752 - accuracy:

0.8654 [.....] - ETA: 0s - loss: 0.6750 - accuracy:
747/750 [=====>.] - ETA: 0s - loss: 0.6750 - accuracy:
0.8655 [.....] - ETA: 0s - loss: 0.6750 - accuracy:
750/750 [=====] - 1s 822us/step - loss: 0.6752 - accuracy:
0.8654 - val_loss: 0.6902 - val_accuracy: 0.8597
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.9178 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.9178 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.6736 - accuracy:
0.8635 [.....] - ETA: 0s - loss: 0.6736 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.6707 - accuracy:
0.8672 [.....] - ETA: 0s - loss: 0.6707 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.6759 - accuracy:
0.8641 [.....] - ETA: 0s - loss: 0.6759 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.6710 - accuracy:
0.8664 [.....] - ETA: 0s - loss: 0.6710 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.6749 - accuracy:
0.8643 [.....] - ETA: 0s - loss: 0.6749 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.6732 - accuracy:
0.8654 [.....] - ETA: 0s - loss: 0.6732 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8659 [.....] - ETA: 0s - loss: 0.6726 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.6721 - accuracy:
0.8659 [.....] - ETA: 0s - loss: 0.6721 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.6735 - accuracy:
0.8652 [.....] - ETA: 0s - loss: 0.6735 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.6737 - accuracy:
0.8649 [.....] - ETA: 0s - loss: 0.6737 - accuracy:
750/750 [=====] - 1s 828us/step - loss: 0.6738 - accuracy:
0.8648 - val_loss: 0.6959 - val_accuracy: 0.8564
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.6057 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.6057 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6687 - accuracy:
0.8729 [.....] - ETA: 0s - loss: 0.6687 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.6688 - accuracy:
0.8689 [.....] - ETA: 0s - loss: 0.6688 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy:
0.8690 [.....] - ETA: 0s - loss: 0.6667 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.6678 - accuracy:
0.8688 [.....] - ETA: 0s - loss: 0.6678 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.6719 - accuracy:
0.8666 [.....] - ETA: 0s - loss: 0.6719 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.6707 - accuracy:
0.8671 [.....] - ETA: 0s - loss: 0.6707 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.6713 - accuracy:
0.8671 [.....] - ETA: 0s - loss: 0.6713 - accuracy:
591/750 [=====>.....] - ETA: 0s - loss: 0.6701 - accuracy:

0.8669 [=====] - ETA: 0s - loss: 0.6716 - accuracy: 0.8659
664/750 [=====>....] - ETA: 0s - loss: 0.6716 - accuracy: 0.8659
740/750 [=====>.] - ETA: 0s - loss: 0.6713 - accuracy: 0.8665
750/750 [=====] - 1s 830us/step - loss: 0.6717 - accuracy: 0.8662 - val_loss: 0.6868 - val_accuracy: 0.8606
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.8701
149/750 [====>.....] - ETA: 0s - loss: 0.6772 - accuracy: 0.8643
223/750 [=====>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.8653
295/750 [=====>.....] - ETA: 0s - loss: 0.6746 - accuracy: 0.8645
369/750 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.8655
444/750 [=====>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.8662
518/750 [=====>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8666
592/750 [=====>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.8658
666/750 [=====>....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8656
741/750 [=====>.] - ETA: 0s - loss: 0.6699 - accuracy: 0.8657
750/750 [=====] - 1s 828us/step - loss: 0.6700 - accuracy: 0.8656 - val_loss: 0.6839 - val_accuracy: 0.8627
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.7272 - accuracy: 0.8281
75/750 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.8650
149/750 [====>.....] - ETA: 0s - loss: 0.6709 - accuracy: 0.8639
223/750 [=====>.....] - ETA: 0s - loss: 0.6718 - accuracy: 0.8655
296/750 [=====>.....] - ETA: 0s - loss: 0.6722 - accuracy: 0.8656
370/750 [=====>.....] - ETA: 0s - loss: 0.6693 - accuracy: 0.8661
445/750 [=====>.....] - ETA: 0s - loss: 0.6676 - accuracy: 0.8664
520/750 [=====>.....] - ETA: 0s - loss: 0.6690 - accuracy:

0.8657 [=====>.....] - ETA: 0s - loss: 0.6685 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.6685 - accuracy:
0.8662 [=====>....] - ETA: 0s - loss: 0.6678 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.6678 - accuracy:
0.8663 [=====>.] - ETA: 0s - loss: 0.6682 - accuracy:
741/750 [=====>.] - ETA: 0s - loss: 0.6682 - accuracy:
0.8661 [=====] - 1s 829us/step - loss: 0.6683 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.6683 - accuracy:
0.8663 - val_loss: 0.6836 - val_accuracy: 0.8624
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.7119 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.6859 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.6859 - accuracy:
0.8611 [===>.....] - ETA: 0s - loss: 0.6835 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.6835 - accuracy:
0.8612 [=====>.....] - ETA: 0s - loss: 0.6757 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.6757 - accuracy:
0.8640 [=====>.....] - ETA: 0s - loss: 0.6706 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.6706 - accuracy:
0.8664 [=====>.....] - ETA: 0s - loss: 0.6675 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.6675 - accuracy:
0.8670 [=====>.....] - ETA: 0s - loss: 0.6680 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.6680 - accuracy:
0.8661 [=====>.....] - ETA: 0s - loss: 0.6677 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.6677 - accuracy:
0.8658 [=====>.....] - ETA: 0s - loss: 0.6677 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.6677 - accuracy:
0.8657 [=====>....] - ETA: 0s - loss: 0.6674 - accuracy:
668/750 [=====>....] - ETA: 0s - loss: 0.6674 - accuracy:
0.8656 [=====>.] - ETA: 0s - loss: 0.6662 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.6662 - accuracy:
0.8668 [=====] - 1s 825us/step - loss: 0.6670 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.6670 - accuracy:
0.8666 - val_loss: 0.6812 - val_accuracy: 0.8606
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.6320 - accuracy:
0.8281 [==>.....] - ETA: 0s - loss: 0.6730 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6730 - accuracy:
0.8598 [===>.....] - ETA: 0s - loss: 0.6716 - accuracy:
151/750 [===>.....] - ETA: 0s - loss: 0.6716 - accuracy:
0.8634 [=====>.....] - ETA: 0s - loss: 0.6698 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.6698 - accuracy:
0.8652 [=====>.....] - ETA: 0s - loss: 0.6653 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.6653 - accuracy:
0.8669 [=====>.....] - ETA: 0s - loss: 0.6652 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.6652 - accuracy:
0.8669 [=====>.....] - ETA: 0s - loss: 0.6655 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.6655 - accuracy:

0.8667 [=====>.....] - ETA: 0s - loss: 0.6637 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.6637 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.6647 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.6647 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.6644 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.6644 - accuracy:
0.8678 [=====>....] - ETA: 0s - loss: 0.6646 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.6646 - accuracy:
0.8680 [=====>.] - ETA: 0s - loss: 0.6651 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.6651 - accuracy:
0.8679 - val_loss: 0.6829 - val_accuracy: 0.8619
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.5959 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6583 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy:
0.8672 [=>.....] - ETA: 0s - loss: 0.6476 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.6476 - accuracy:
0.8695 [=====>.....] - ETA: 0s - loss: 0.6508 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.6508 - accuracy:
0.8708 [=====>.....] - ETA: 0s - loss: 0.6540 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.6540 - accuracy:
0.8708 [=====>.....] - ETA: 0s - loss: 0.6579 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.6579 - accuracy:
0.8699 [=====>.....] - ETA: 0s - loss: 0.6555 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.6555 - accuracy:
0.8698 [=====>.....] - ETA: 0s - loss: 0.6583 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.6583 - accuracy:
0.8687 [=====>.....] - ETA: 0s - loss: 0.6598 - accuracy:
597/750 [=====>.....] - ETA: 0s - loss: 0.6598 - accuracy:
0.8682 [=====>.....] - ETA: 0s - loss: 0.6604 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.6604 - accuracy:
0.8676 [=====>....] - ETA: 0s - loss: 0.6618 - accuracy:
734/750 [=====>.] - ETA: 0s - loss: 0.6618 - accuracy:
0.8675 [=====>.] - ETA: 0s - loss: 0.6631 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.6631 - accuracy:
0.8670 - val_loss: 0.6796 - val_accuracy: 0.8622
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.6486 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.6465 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6465 - accuracy:
0.8792 [=>.....] - ETA: 0s - loss: 0.6623 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.6623 - accuracy:
0.8705 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy:
0.8673 [=====>.....] - ETA: 0s - loss: 0.6624 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.6624 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.6609 - accuracy:
368/750 [=====>.....] - ETA: 0s - loss: 0.6609 - accuracy:

0.8687 [=====>.....] - ETA: 0s - loss: 0.6605 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.6587 - accuracy:
0.8682 [=====>.....] - ETA: 0s - loss: 0.6599 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
0.8692 [=====>....] - ETA: 0s - loss: 0.6619 - accuracy:
739/750 [=====>.] - ETA: 0s - loss: 0.6620 - accuracy:
0.8683 - val_loss: 0.6793 - val_accuracy: 0.8618
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.6364 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy:
0.8648 [====>.....] - ETA: 0s - loss: 0.6608 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.6656 - accuracy:
0.8663 [=====>.....] - ETA: 0s - loss: 0.6615 - accuracy:
282/750 [=====>.....] - ETA: 0s - loss: 0.6618 - accuracy:
0.8681 [=====>.....] - ETA: 0s - loss: 0.6614 - accuracy:
0.8681 [=====>.....] - ETA: 0s - loss: 0.6622 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.6626 - accuracy:
0.8679 [=====>.....] - ETA: 0s - loss: 0.6608 - accuracy:
644/750 [=====>....] - ETA: 0s - loss: 0.6607 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.6606 - accuracy:
0.8680 - val_loss: 0.6769 - val_accuracy: 0.8612
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.6274 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.6522 - accuracy:
0.8739 [====>.....] - ETA: 0s - loss: 0.6554 - accuracy:
0.8744 [=====>.....] - ETA: 0s - loss: 0.6559 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.6535 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.6535 - accuracy:

0.8722 [=====>.....] - ETA: 0s - loss: 0.6557 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.6557 - accuracy:
0.8711 [=====>.....] - ETA: 0s - loss: 0.6600 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.6570 - accuracy:
0.8699 [=====>.....] - ETA: 0s - loss: 0.6585 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.6580 - accuracy:
0.8707 [=====>.....] - ETA: 0s - loss: 0.6594 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
0.8698 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
668/750 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
0.8699 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
740/750 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
0.8694 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy:
750/750 [=====] - 1s 832us/step - loss: 0.6589 - accuracy:
0.8695 - val_loss: 0.6791 - val_accuracy: 0.8612
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.4992 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.6606 - accuracy:
68/750 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy:
0.8679 [====>.....] - ETA: 0s - loss: 0.6699 - accuracy:
137/750 [====>.....] - ETA: 0s - loss: 0.6676 - accuracy:
0.8636 [====>.....] - ETA: 0s - loss: 0.6598 - accuracy:
208/750 [====>.....] - ETA: 0s - loss: 0.6590 - accuracy:
0.8653 [====>.....] - ETA: 0s - loss: 0.6561 - accuracy:
283/750 [====>.....] - ETA: 0s - loss: 0.6550 - accuracy:
0.8659 [====>.....] - ETA: 0s - loss: 0.6559 - accuracy:
357/750 [====>.....] - ETA: 0s - loss: 0.6580 - accuracy:
0.8685 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
430/750 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
0.8682 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
504/750 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
0.8697 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
577/750 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
0.8700 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
650/750 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
0.8694 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
726/750 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
0.8687 [====>.....] - ETA: 0s - loss: 0.6574 - accuracy:
750/750 [=====] - 1s 838us/step - loss: 0.6574 - accuracy:
0.8688 - val_loss: 0.6735 - val_accuracy: 0.8639
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.5759 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.6671 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6636 - accuracy:
0.8623 [====>.....] - ETA: 0s - loss: 0.6620 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.6620 - accuracy:
0.8638 [====>.....] - ETA: 0s - loss: 0.6620 - accuracy:
223/750 [====>.....] - ETA: 0s - loss: 0.6620 - accuracy:

0.8658 [=====>.....] - ETA: 0s - loss: 0.6591 - accuracy: 0.8664
370/750 [=====>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.8680
446/750 [=====>.....] - ETA: 0s - loss: 0.6543 - accuracy: 0.8698
519/750 [=====>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.8698
593/750 [=====>.....] - ETA: 0s - loss: 0.6542 - accuracy: 0.8701
669/750 [=====>....] - ETA: 0s - loss: 0.6564 - accuracy: 0.8695
743/750 [=====>.] - ETA: 0s - loss: 0.6563 - accuracy: 0.8699
750/750 [=====] - 1s 832us/step - loss: 0.6555 - accuracy: 0.8702 - val_loss: 0.6760 - val_accuracy: 0.8612
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.7720 - accuracy: 0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.8717
150/750 [====>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.8701
223/750 [=====>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.8719
298/750 [=====>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.8721
374/750 [=====>.....] - ETA: 0s - loss: 0.6499 - accuracy: 0.8713
447/750 [=====>.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.8703
522/750 [=====>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.8696
597/750 [=====>.....] - ETA: 0s - loss: 0.6550 - accuracy: 0.8692
672/750 [=====>....] - ETA: 0s - loss: 0.6547 - accuracy: 0.8694
747/750 [=====>.] - ETA: 0s - loss: 0.6540 - accuracy: 0.8701
750/750 [=====] - 1s 822us/step - loss: 0.6541 - accuracy: 0.8701 - val_loss: 0.6731 - val_accuracy: 0.8625
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.8701
148/750 [====>.....] - ETA: 0s - loss: 0.6604 - accuracy:

0.8685 [=====>.....] - ETA: 0s - loss: 0.6627 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.6576 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.6573 - accuracy:
0.8701 [=====>.....] - ETA: 0s - loss: 0.6556 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.6537 - accuracy:
0.8701 [=====>.....] - ETA: 0s - loss: 0.6537 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8709 [=====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.6505 - accuracy:
0.8713 [=====>.....] - ETA: 0s - loss: 0.6522 - accuracy:
588/750 [=====>.....] - ETA: 0s - loss: 0.6522 - accuracy:
0.8715 [=====>.....] - ETA: 0s - loss: 0.6532 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.6529 - accuracy:
0.8714 [=====] - 1s 858us/step - loss: 0.6529 - accuracy:
0.8711 - val_loss: 0.6706 - val_accuracy: 0.8638
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.8066 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.6498 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6439 - accuracy:
0.8720 [====>.....] - ETA: 0s - loss: 0.6446 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.6490 - accuracy:
0.8742 [====>.....] - ETA: 0s - loss: 0.6493 - accuracy:
221/750 [====>.....] - ETA: 0s - loss: 0.6475 - accuracy:
0.8732 [====>.....] - ETA: 0s - loss: 0.6491 - accuracy:
297/750 [====>.....] - ETA: 0s - loss: 0.6503 - accuracy:
0.8717 [====>.....] - ETA: 0s - loss: 0.6508 - accuracy:
370/750 [====>.....] - ETA: 0s - loss: 0.6519 - accuracy:
0.8715 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
445/750 [====>.....] - 1s 826us/step - loss: 0.6512 - accuracy:
0.8718 [====>.....] - val_loss: 0.6720 - val_accuracy: 0.8634
519/750 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8714 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
592/750 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
666/750 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8716 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
742/750 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8710 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
750/750 [====>.....] - 1s 826us/step - loss: 0.6512 - accuracy:
0.8714 - val_loss: 0.6720 - val_accuracy: 0.8634
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.9747 - accuracy:
0.8125 [=>.....] - ETA: 0s - loss: 0.6523 - accuracy:

0.8716 [.....] - ETA: 0s - loss: 0.6512 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.6512 - accuracy:
0.8713 [.....] - ETA: 0s - loss: 0.6436 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.6436 - accuracy:
0.8742 [.....] - ETA: 0s - loss: 0.6480 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.6480 - accuracy:
0.8716 [.....] - ETA: 0s - loss: 0.6482 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.6482 - accuracy:
0.8707 [.....] - ETA: 0s - loss: 0.6486 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.6486 - accuracy:
0.8703 [.....] - ETA: 0s - loss: 0.6487 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.6487 - accuracy:
0.8699 [.....] - ETA: 0s - loss: 0.6476 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.6476 - accuracy:
0.8706 [.....] - ETA: 0s - loss: 0.6495 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.6495 - accuracy:
0.8700 [.....] - ETA: 0s - loss: 0.6493 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.6493 - accuracy:
0.8704 [.....] - ETA: 1s 826us/step - loss: 0.6497 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.6497 - accuracy:
0.8702 - val_loss: 0.6713 - val_accuracy: 0.8643
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.5424 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6566 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6566 - accuracy:
0.8708 [.....] - ETA: 0s - loss: 0.6592 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.6592 - accuracy:
0.8686 [.....] - ETA: 0s - loss: 0.6513 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.6513 - accuracy:
0.8716 [.....] - ETA: 0s - loss: 0.6515 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.6515 - accuracy:
0.8712 [.....] - ETA: 0s - loss: 0.6490 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.6490 - accuracy:
0.8716 [.....] - ETA: 0s - loss: 0.6488 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.6488 - accuracy:
0.8721 [.....] - ETA: 0s - loss: 0.6492 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.6492 - accuracy:
0.8720 [.....] - ETA: 0s - loss: 0.6482 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.6482 - accuracy:
0.8719 [.....] - ETA: 0s - loss: 0.6488 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.6488 - accuracy:
0.8717 [.....] - ETA: 0s - loss: 0.6482 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.6482 - accuracy:
0.8721 [.....] - ETA: 1s 829us/step - loss: 0.6484 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.6484 - accuracy:
0.8719 - val_loss: 0.6653 - val_accuracy: 0.8671
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.6214 - accuracy:

0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.6597 - accuracy:
0.8701
148/750 [====>.....] - ETA: 0s - loss: 0.6462 - accuracy:
0.8758
224/750 [=====>.....] - ETA: 0s - loss: 0.6479 - accuracy:
0.8740
298/750 [=====>.....] - ETA: 0s - loss: 0.6521 - accuracy:
0.8722
374/750 [=====>.....] - ETA: 0s - loss: 0.6534 - accuracy:
0.8714
448/750 [=====>.....] - ETA: 0s - loss: 0.6508 - accuracy:
0.8720
525/750 [=====>.....] - ETA: 0s - loss: 0.6488 - accuracy:
0.8723
601/750 [=====>.....] - ETA: 0s - loss: 0.6472 - accuracy:
0.8722
675/750 [=====>...] - ETA: 0s - loss: 0.6465 - accuracy:
0.8725
748/750 [=====>.] - ETA: 0s - loss: 0.6465 - accuracy:
0.8721
750/750 [=====] - 1s 825us/step - loss: 0.6466 - accuracy:
0.8721 - val_loss: 0.6654 - val_accuracy: 0.8652
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.8170 - accuracy:
0.8438
76/750 [==>.....] - ETA: 0s - loss: 0.6488 - accuracy:
0.8660
150/750 [====>.....] - ETA: 0s - loss: 0.6415 - accuracy:
0.8682
226/750 [=====>.....] - ETA: 0s - loss: 0.6438 - accuracy:
0.8684
300/750 [=====>.....] - ETA: 0s - loss: 0.6452 - accuracy:
0.8696
372/750 [=====>.....] - ETA: 0s - loss: 0.6431 - accuracy:
0.8714
446/750 [=====>.....] - ETA: 0s - loss: 0.6438 - accuracy:
0.8719
521/750 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy:
0.8722
595/750 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy:
0.8720
668/750 [=====>...] - ETA: 0s - loss: 0.6447 - accuracy:
0.8717
741/750 [=====>.] - ETA: 0s - loss: 0.6448 - accuracy:
0.8719
750/750 [=====] - 1s 828us/step - loss: 0.6451 - accuracy:
0.8719 - val_loss: 0.6657 - val_accuracy: 0.8658
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.8255 - accuracy: 0.8125
76/750 [==>.....] - ETA: 0s - loss: 0.6298 - accuracy: 0.8736
152/750 [=====>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.8694
225/750 [=====>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8697
301/750 [======>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8713
374/750 [======>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.8722
449/750 [======>.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.8733
523/750 [======>.....] - ETA: 0s - loss: 0.6450 - accuracy: 0.8724
597/750 [======>.....] - ETA: 0s - loss: 0.6429 - accuracy: 0.8730
671/750 [======>....] - ETA: 0s - loss: 0.6431 - accuracy: 0.8728
744/750 [======>.] - ETA: 0s - loss: 0.6440 - accuracy: 0.8724
750/750 [=====] - 1s 826us/step - loss: 0.6439 - accuracy: 0.8725 - val_loss: 0.6635 - val_accuracy: 0.8659
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.7475 - accuracy: 0.9062
76/750 [==>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8688
151/750 [=====>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8715
226/750 [=====>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.8741
301/750 [======>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.8729
374/750 [======>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.8704
450/750 [======>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.8705
524/750 [======>.....] - ETA: 0s - loss: 0.6466 - accuracy: 0.8707
598/750 [======>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.8715
673/750 [======>....] - ETA: 0s - loss: 0.6441 - accuracy: 0.8725
744/750 [======>.] - ETA: 0s - loss: 0.6430 - accuracy: 0.8729
750/750 [=====] - 1s 828us/step - loss: 0.6426 - accuracy:

0.8731 - val_loss: 0.6619 - val_accuracy: 0.8662
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.7274 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.8752
150/750 [=====>.....] - ETA: 0s - loss: 0.6421 - accuracy: 0.8710
223/750 [======>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.8745
296/750 [======>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.8757
372/750 [======>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.8742
446/750 [======>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8744
520/750 [======>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.8737
593/750 [======>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8738
668/750 [======>....] - ETA: 0s - loss: 0.6413 - accuracy: 0.8731
742/750 [======>.] - ETA: 0s - loss: 0.6416 - accuracy: 0.8730
750/750 [=====] - 1s 826us/step - loss: 0.6413 - accuracy: 0.8731 - val_loss: 0.6647 - val_accuracy: 0.8659
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.7630 - accuracy: 0.8125
75/750 [=>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.8696
149/750 [=====>.....] - ETA: 0s - loss: 0.6590 - accuracy: 0.8686
224/750 [======>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.8719
299/750 [======>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.8717
374/750 [======>.....] - ETA: 0s - loss: 0.6473 - accuracy: 0.8712
447/750 [======>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.8728
520/750 [======>.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.8734
596/750 [======>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8737
671/750 [======>....] - ETA: 0s - loss: 0.6397 - accuracy: 0.8736
741/750 [======>.] - ETA: 0s - loss: 0.6397 - accuracy:

0.8736
750/750 [=====] - 1s 840us/step - loss: 0.6400 - accuracy:
0.8735 - val_loss: 0.6621 - val_accuracy: 0.8649
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.9375
70/750 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy:
0.8723
141/750 [====>.....] - ETA: 0s - loss: 0.6482 - accuracy:
0.8700
217/750 [=====>.....] - ETA: 0s - loss: 0.6438 - accuracy:
0.8707
290/750 [======>.....] - ETA: 0s - loss: 0.6407 - accuracy:
0.8715
364/750 [======>.....] - ETA: 0s - loss: 0.6426 - accuracy:
0.8704
438/750 [======>.....] - ETA: 0s - loss: 0.6408 - accuracy:
0.8712
511/750 [======>.....] - ETA: 0s - loss: 0.6424 - accuracy:
0.8707
586/750 [======>.....] - ETA: 0s - loss: 0.6410 - accuracy:
0.8717
660/750 [======>....] - ETA: 0s - loss: 0.6402 - accuracy:
0.8725
735/750 [======>.] - ETA: 0s - loss: 0.6392 - accuracy:
0.8728
750/750 [=====] - 1s 829us/step - loss: 0.6387 - accuracy:
0.8729 - val_loss: 0.6597 - val_accuracy: 0.8666
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.5909 - accuracy:
0.8438
75/750 [=>.....] - ETA: 0s - loss: 0.6492 - accuracy:
0.8673
147/750 [====>.....] - ETA: 0s - loss: 0.6463 - accuracy:
0.8682
221/750 [=====>.....] - ETA: 0s - loss: 0.6405 - accuracy:
0.8713
292/750 [======>.....] - ETA: 0s - loss: 0.6412 - accuracy:
0.8708
366/750 [======>.....] - ETA: 0s - loss: 0.6381 - accuracy:
0.8730
440/750 [======>.....] - ETA: 0s - loss: 0.6387 - accuracy:
0.8730
514/750 [======>.....] - ETA: 0s - loss: 0.6378 - accuracy:
0.8737
588/750 [======>.....] - ETA: 0s - loss: 0.6368 - accuracy:
0.8740
660/750 [======>....] - ETA: 0s - loss: 0.6357 - accuracy:

0.8745 [=====>.] - ETA: 0s - loss: 0.6358 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.6358 - accuracy:
0.8746 [=====>.] - ETA: 0s - loss: 0.6358 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.6369 - accuracy:
0.8743 - val_loss: 0.6647 - val_accuracy: 0.8645
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.7550 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.7550 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.6430 - accuracy:
0.8704 [==>.....] - ETA: 0s - loss: 0.6430 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.6360 - accuracy:
0.8743 [===>.....] - ETA: 0s - loss: 0.6360 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.6320 - accuracy:
0.8758 [=====>.....] - ETA: 0s - loss: 0.6320 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
0.8766 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
0.8766 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.6297 - accuracy:
0.8767 [=====>.....] - ETA: 0s - loss: 0.6297 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.6305 - accuracy:
0.8757 [=====>.....] - ETA: 0s - loss: 0.6305 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.6318 - accuracy:
0.8761 [=====>....] - ETA: 0s - loss: 0.6318 - accuracy:
741/750 [=====>.] - ETA: 0s - loss: 0.6350 - accuracy:
0.8744 [=====>.] - ETA: 0s - loss: 0.6350 - accuracy:
750/750 [=====] - 1s 833us/step - loss: 0.6355 - accuracy:
0.8742 - val_loss: 0.6580 - val_accuracy: 0.8674
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.6546 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6546 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8779 [=>.....] - ETA: 0s - loss: 0.6258 - accuracy:
138/750 [===>.....] - ETA: 0s - loss: 0.6261 - accuracy:
0.8792 [===>.....] - ETA: 0s - loss: 0.6261 - accuracy:
204/750 [=====>.....] - ETA: 0s - loss: 0.6278 - accuracy:
0.8780 [=====>.....] - ETA: 0s - loss: 0.6278 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 0.6305 - accuracy:
0.8765 [=====>.....] - ETA: 0s - loss: 0.6305 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.6358 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.6358 - accuracy:
423/750 [=====>.....] - ETA: 0s - loss: 0.6334 - accuracy:
0.8753 [=====>.....] - ETA: 0s - loss: 0.6334 - accuracy:
496/750 [=====>.....] - ETA: 0s - loss: 0.6353 - accuracy:
0.8746 [=====>.....] - ETA: 0s - loss: 0.6353 - accuracy:
570/750 [=====>.....] - ETA: 0s - loss: 0.6367 - accuracy:

0.8746 [=====>.....] - ETA: 0s - loss: 0.6355 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.6355 - accuracy:
0.8745 [=====>.....] - ETA: 0s - loss: 0.6355 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.6342 - accuracy:
0.8749 [=====] - 1s 845us/step - loss: 0.6339 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.6339 - accuracy:
0.8747 - val_loss: 0.6580 - val_accuracy: 0.8663
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.5098 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.6381 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6381 - accuracy:
0.8769 [=====>.....] - ETA: 0s - loss: 0.6327 - accuracy:
150/750 [=====>.....] - ETA: 0s - loss: 0.6327 - accuracy:
0.8788 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy:
0.8761 [=====>.....] - ETA: 0s - loss: 0.6308 - accuracy:
301/750 [=====>.....] - ETA: 0s - loss: 0.6308 - accuracy:
0.8772 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
376/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.6310 - accuracy:
451/750 [=====>.....] - ETA: 0s - loss: 0.6310 - accuracy:
0.8776 [=====>.....] - ETA: 0s - loss: 0.6343 - accuracy:
525/750 [=====>.....] - ETA: 0s - loss: 0.6343 - accuracy:
0.8760 [=====>.....] - ETA: 0s - loss: 0.6328 - accuracy:
601/750 [=====>.....] - ETA: 0s - loss: 0.6328 - accuracy:
0.8758 [=====>.....] - ETA: 0s - loss: 0.6333 - accuracy:
673/750 [=====>....] - ETA: 0s - loss: 0.6333 - accuracy:
0.8757 [=====>....] - ETA: 0s - loss: 0.6329 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.6329 - accuracy:
0.8760 [=====] - 1s 836us/step - loss: 0.6328 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.6328 - accuracy:
0.8761 - val_loss: 0.6569 - val_accuracy: 0.8644
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.6047 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.6314 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6314 - accuracy:
0.8748 [=====>.....] - ETA: 0s - loss: 0.6322 - accuracy:
151/750 [=====>.....] - ETA: 0s - loss: 0.6322 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
0.8755 [=====>.....] - ETA: 0s - loss: 0.6292 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.6292 - accuracy:
0.8753 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:

0.8753
596/750 [=====>.....] - ETA: 0s - loss: 0.6315 - accuracy:
0.8756
669/750 [=====>....] - ETA: 0s - loss: 0.6316 - accuracy:
0.8756
743/750 [=====>.] - ETA: 0s - loss: 0.6314 - accuracy:
0.8754
750/750 [=====] - 1s 826us/step - loss: 0.6317 - accuracy:
0.8754 - val_loss: 0.6577 - val_accuracy: 0.8676
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.5258 - accuracy:
0.9219
75/750 [==>.....] - ETA: 0s - loss: 0.6239 - accuracy:
0.8771
150/750 [====>.....] - ETA: 0s - loss: 0.6279 - accuracy:
0.8761
224/750 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8770
298/750 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
0.8758
372/750 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
0.8742
444/750 [=====>.....] - ETA: 0s - loss: 0.6342 - accuracy:
0.8750
517/750 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
0.8751
593/750 [=====>.....] - ETA: 0s - loss: 0.6303 - accuracy:
0.8759
664/750 [=====>....] - ETA: 0s - loss: 0.6294 - accuracy:
0.8766
735/750 [=====>.] - ETA: 0s - loss: 0.6303 - accuracy:
0.8759
750/750 [=====] - 1s 841us/step - loss: 0.6303 - accuracy:
0.8759 - val_loss: 0.6549 - val_accuracy: 0.8666
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.5979 - accuracy:
0.8438
77/750 [==>.....] - ETA: 0s - loss: 0.6208 - accuracy:
0.8803
150/750 [====>.....] - ETA: 0s - loss: 0.6218 - accuracy:
0.8800
224/750 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy:
0.8766
300/750 [=====>.....] - ETA: 0s - loss: 0.6303 - accuracy:
0.8760
373/750 [=====>.....] - ETA: 0s - loss: 0.6286 - accuracy:
0.8766
448/750 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:

0.8766 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
0.8761 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
672/750 [=====>....] - ETA: 0s - loss: 0.6299 - accuracy:
0.8770 [=====>....] - ETA: 0s - loss: 0.6294 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.6294 - accuracy:
0.8767 [=====>.] - ETA: 0s - loss: 0.6291 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.6291 - accuracy:
0.8769 - val_loss: 0.6545 - val_accuracy: 0.8672
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.4897 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6218 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6218 - accuracy:
0.8759 [=>.....] - ETA: 0s - loss: 0.6237 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.6237 - accuracy:
0.8780 [====>.....] - ETA: 0s - loss: 0.6280 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.6280 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
0.8780 [=====>.....] - ETA: 0s - loss: 0.6262 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.6262 - accuracy:
0.8787 [=====>.....] - ETA: 0s - loss: 0.6234 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.6234 - accuracy:
0.8790 [=====>.....] - ETA: 0s - loss: 0.6243 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.6243 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.6243 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.6243 - accuracy:
0.8783 [=====>.....] - ETA: 0s - loss: 0.6272 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.6272 - accuracy:
0.8766 [=====>....] - ETA: 0s - loss: 0.6284 - accuracy:
733/750 [=====>.] - ETA: 0s - loss: 0.6284 - accuracy:
0.8763 [=====>.] - ETA: 0s - loss: 0.6276 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.6276 - accuracy:
0.8767 - val_loss: 0.6543 - val_accuracy: 0.8650
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.5106 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.6385 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.6385 - accuracy:
0.8734 [==>.....] - ETA: 0s - loss: 0.6284 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.6284 - accuracy:
0.8758 [====>.....] - ETA: 0s - loss: 0.6241 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.6241 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.6266 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.6266 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.6249 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.6249 - accuracy:

0.8773 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8772 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.6253 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.6253 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.6256 - accuracy:
672/750 [=====>....] - ETA: 0s - loss: 0.6256 - accuracy:
0.8767 [=====>....] - ETA: 0s - loss: 0.6262 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.6262 - accuracy:
0.8767 [=====>.] - ETA: 0s - loss: 0.6262 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.6262 - accuracy:
0.8767 - val_loss: 0.6516 - val_accuracy: 0.8684
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.5994 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6228 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6228 - accuracy:
0.8763 [=>.....] - ETA: 0s - loss: 0.6270 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
0.8785 [====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
0.8759 [=====>.....] - ETA: 0s - loss: 0.6265 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.6265 - accuracy:
0.8755 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8766 [=====>.....] - ETA: 0s - loss: 0.6279 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.6279 - accuracy:
0.8759 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
0.8749 [=====>.....] - ETA: 0s - loss: 0.6276 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.6276 - accuracy:
0.8756 [=====>.....] - ETA: 0s - loss: 0.6269 - accuracy:
666/750 [=====>....] - ETA: 0s - loss: 0.6269 - accuracy:
0.8756 [=====>....] - ETA: 0s - loss: 0.6249 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.6249 - accuracy:
0.8770 [=====>.] - ETA: 0s - loss: 0.6249 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.6249 - accuracy:
0.8770 - val_loss: 0.6506 - val_accuracy: 0.8670
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.6427 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.6127 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.6127 - accuracy:
0.8823 [=>.....] - ETA: 0s - loss: 0.6182 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.6182 - accuracy:
0.8809 [====>.....] - ETA: 0s - loss: 0.6195 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.6195 - accuracy:
0.8795 [=====>.....] - ETA: 0s - loss: 0.6222 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.6222 - accuracy:

0.8781 [.....] - ETA: 0s - loss: 0.6244 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.6244 - accuracy:
0.8777 [.....] - ETA: 0s - loss: 0.6264 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.6264 - accuracy:
0.8778 [.....] - ETA: 0s - loss: 0.6256 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.6256 - accuracy:
0.8786 [.....] - ETA: 0s - loss: 0.6227 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.6227 - accuracy:
0.8797 [.....] - ETA: 0s - loss: 0.6227 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.6227 - accuracy:
0.8790 [.....] - ETA: 0s - loss: 0.6236 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.6236 - accuracy:
0.8787 [.....] - 1s 828us/step - loss: 0.6236 - accuracy:
0.8786 - val_loss: 0.6489 - val_accuracy: 0.8689
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.6622 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6116 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.6116 - accuracy:
0.8848 [.....] - ETA: 0s - loss: 0.6231 - accuracy:
152/750 [=====>.....] - ETA: 0s - loss: 0.6231 - accuracy:
0.8797 [.....] - ETA: 0s - loss: 0.6206 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.6206 - accuracy:
0.8792 [.....] - ETA: 0s - loss: 0.6232 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.6232 - accuracy:
0.8778 [.....] - ETA: 0s - loss: 0.6222 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.6222 - accuracy:
0.8782 [.....] - ETA: 0s - loss: 0.6207 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.6207 - accuracy:
0.8781 [.....] - ETA: 0s - loss: 0.6234 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.6234 - accuracy:
0.8772 [.....] - ETA: 0s - loss: 0.6221 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.6221 - accuracy:
0.8778 [.....] - ETA: 0s - loss: 0.6232 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.6232 - accuracy:
0.8771 [.....] - ETA: 0s - loss: 0.6231 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.6231 - accuracy:
0.8776 [.....] - 1s 840us/step - loss: 0.6226 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.6226 - accuracy:
0.8778 - val_loss: 0.6460 - val_accuracy: 0.8688
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.6654 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6218 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6218 - accuracy:
0.8770 [.....] - ETA: 0s - loss: 0.6232 - accuracy:
141/750 [=====>.....] - ETA: 0s - loss: 0.6232 - accuracy:
0.8764 [.....] - ETA: 0s - loss: 0.6209 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6209 - accuracy:

0.8784 [=====>.....] - ETA: 0s - loss: 0.6209 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.6223 - accuracy:
0.8794 [=====>.....] - ETA: 0s - loss: 0.6250 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.6253 - accuracy:
0.8776 [=====>.....] - ETA: 0s - loss: 0.6233 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.6214 - accuracy:
0.8771 [=====>.....] - ETA: 0s - loss: 0.6205 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8780 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
717/750 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8785 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
750/750 [=====] - 1s 854us/step - loss: 0.6211 - accuracy:
0.8784 - val_loss: 0.6478 - val_accuracy: 0.8692
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.8437 - accuracy:
0.7344 [=>.....] - ETA: 0s - loss: 0.6153 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6222 - accuracy:
0.8805 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6232 - accuracy:
0.8761 [====>.....] - ETA: 0s - loss: 0.6218 - accuracy:
217/750 [====>.....] - ETA: 0s - loss: 0.6198 - accuracy:
0.8785 [====>.....] - ETA: 0s - loss: 0.6213 - accuracy:
290/750 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8776 [====>.....] - ETA: 0s - loss: 0.6206 - accuracy:
360/750 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8786 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
432/750 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8791 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
505/750 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8785 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
576/750 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8782 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
647/750 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8789 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
719/750 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
0.8791 [====>.....] - ETA: 0s - loss: 0.6200 - accuracy:
750/750 [====>.....] - 1s 857us/step - loss: 0.6200 - accuracy:
0.8789 - val_loss: 0.6456 - val_accuracy: 0.8683
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.6445 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.6351 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6351 - accuracy:

0.8728 [=====>.....] - ETA: 0s - loss: 0.6255 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.6226 - accuracy:
0.8773 [=====>.....] - ETA: 0s - loss: 0.6223 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.6208 - accuracy:
0.8776 [=====>.....] - ETA: 0s - loss: 0.6198 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.6185 - accuracy:
0.8775 [=====>.....] - ETA: 0s - loss: 0.6182 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.6188 - accuracy:
0.8769 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8776 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
579/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8785 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
652/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8788 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
722/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
750/750 [=====] - 1s 858us/step - loss: 0.6186 - accuracy:
0.8787 - val_loss: 0.6505 - val_accuracy: 0.8651
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.6075 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.6354 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6332 - accuracy:
0.8703 [====>.....] - ETA: 0s - loss: 0.6234 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.6225 - accuracy:
0.8701 [====>.....] - ETA: 0s - loss: 0.6228 - accuracy:
218/750 [====>.....] - ETA: 0s - loss: 0.6175 - accuracy:
0.8746 [====>.....] - ETA: 0s - loss: 0.6168 - accuracy:
290/750 [====>.....] - ETA: 0s - loss: 0.6175 - accuracy:
0.8756 [====>.....] - ETA: 0s - loss: 0.6173 - accuracy:
363/750 [====>.....] - ETA: 0s - loss: 0.6169 - accuracy:
0.8764 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
435/750 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8783 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
505/750 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8792 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
578/750 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8790 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
650/750 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8790 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
721/750 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8787 [====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
750/750 [====>.....] - 1s 860us/step - loss: 0.6176 - accuracy:
0.8782 - val_loss: 0.6448 - val_accuracy: 0.8702
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.6925 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.6387 - accuracy:

0.8729 [.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.8744
148/750 [====>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.8744
224/750 [=====>.....] - ETA: 0s - loss: 0.6259 - accuracy: 0.8749
297/750 [======>.....] - ETA: 0s - loss: 0.6227 - accuracy: 0.8754
370/750 [======>.....] - ETA: 0s - loss: 0.6217 - accuracy: 0.8759
445/750 [======>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.8771
517/750 [======>.....] - ETA: 0s - loss: 0.6184 - accuracy: 0.8776
593/750 [======>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.8777
667/750 [======>....] - ETA: 0s - loss: 0.6163 - accuracy: 0.8780
741/750 [======>.] - ETA: 0s - loss: 0.6163 - accuracy: 0.8784
750/750 [=====] - 1s 829us/step - loss: 0.6165 - accuracy: 0.8785 - val_loss: 0.6431 - val_accuracy: 0.8692
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.6202 - accuracy: 0.8769
149/750 [====>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.8838
224/750 [=====>.....] - ETA: 0s - loss: 0.6142 - accuracy: 0.8807
298/750 [======>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.8820
372/750 [======>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.8813
445/750 [======>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8794
521/750 [======>.....] - ETA: 0s - loss: 0.6166 - accuracy: 0.8782
596/750 [======>.....] - ETA: 0s - loss: 0.6159 - accuracy: 0.8779
671/750 [======>....] - ETA: 0s - loss: 0.6140 - accuracy: 0.8792
746/750 [======>.] - ETA: 0s - loss: 0.6147 - accuracy: 0.8784
750/750 [=====] - 1s 825us/step - loss: 0.6150 - accuracy: 0.8783 - val_loss: 0.6418 - val_accuracy: 0.8702
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.6563 - accuracy:

0.8750 [.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.8853
70/750 [=>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.8853
143/750 [====>.....] - ETA: 0s - loss: 0.6137 - accuracy: 0.8824
217/750 [=====>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.8847
291/750 [======>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.8810
364/750 [======>.....] - ETA: 0s - loss: 0.6128 - accuracy: 0.8804
439/750 [======>.....] - ETA: 0s - loss: 0.6128 - accuracy: 0.8799
511/750 [======>.....] - ETA: 0s - loss: 0.6159 - accuracy: 0.8792
586/750 [======>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.8789
660/750 [======>....] - ETA: 0s - loss: 0.6149 - accuracy: 0.8795
732/750 [======>.] - ETA: 0s - loss: 0.6137 - accuracy: 0.8799
750/750 [=====] - 1s 837us/step - loss: 0.6137 - accuracy: 0.8799 - val_loss: 0.6402 - val_accuracy: 0.8688
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.9062
75/750 [=>.....] - ETA: 0s - loss: 0.6048 - accuracy: 0.8835
151/750 [====>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.8826
224/750 [=====>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.8841
300/750 [======>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.8839
372/750 [======>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.8829
446/750 [======>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.8836
519/750 [======>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.8824
592/750 [======>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.8815
665/750 [======>....] - ETA: 0s - loss: 0.6119 - accuracy: 0.8806
738/750 [======>.] - ETA: 0s - loss: 0.6137 - accuracy: 0.8797
750/750 [=====] - 1s 832us/step - loss: 0.6129 - accuracy: 0.8800 - val_loss: 0.6388 - val_accuracy: 0.8716
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.5619 - accuracy: 0.8438
75/750 [==>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.8898
149/750 [====>.....] - ETA: 0s - loss: 0.5933 - accuracy: 0.8877
224/750 [=====>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.8877
296/750 [======>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.8871
371/750 [======>.....] - ETA: 0s - loss: 0.6012 - accuracy: 0.8849
445/750 [======>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.8844
519/750 [======>.....] - ETA: 0s - loss: 0.6070 - accuracy: 0.8824
597/750 [======>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.8807
670/750 [======>....] - ETA: 0s - loss: 0.6097 - accuracy: 0.8808
745/750 [======>.] - ETA: 0s - loss: 0.6109 - accuracy: 0.8802
750/750 [=====] - 1s 822us/step - loss: 0.6113 - accuracy: 0.8800 - val_loss: 0.6391 - val_accuracy: 0.8699
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.4843 - accuracy: 0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.6215 - accuracy: 0.8769
149/750 [====>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.8807
223/750 [=====>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.8809
299/750 [======>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.8807
370/750 [======>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.8801
444/750 [======>.....] - ETA: 0s - loss: 0.6098 - accuracy: 0.8799
520/750 [======>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.8800
592/750 [======>.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8795
667/750 [======>....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8800
739/750 [======>.] - ETA: 0s - loss: 0.6103 - accuracy: 0.8805
750/750 [=====] - 1s 830us/step - loss: 0.6103 - accuracy:

0.8805 - val_loss: 0.6392 - val_accuracy: 0.8720
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.5605 - accuracy:
0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.6082 - accuracy:
0.8832
147/750 [====>.....] - ETA: 0s - loss: 0.5938 - accuracy:
0.8854
222/750 [=====>.....] - ETA: 0s - loss: 0.6015 - accuracy:
0.8809
297/750 [======>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8804
371/750 [======>.....] - ETA: 0s - loss: 0.6058 - accuracy:
0.8820
446/750 [======>.....] - ETA: 0s - loss: 0.6050 - accuracy:
0.8826
521/750 [======>.....] - ETA: 0s - loss: 0.6061 - accuracy:
0.8823
597/750 [======>.....] - ETA: 0s - loss: 0.6079 - accuracy:
0.8816
672/750 [======>....] - ETA: 0s - loss: 0.6087 - accuracy:
0.8814
747/750 [======>.] - ETA: 0s - loss: 0.6090 - accuracy:
0.8809
750/750 [=====] - 1s 822us/step - loss: 0.6089 - accuracy:
0.8809 - val_loss: 0.6367 - val_accuracy: 0.8697
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.6360 - accuracy:
0.8906
76/750 [=>.....] - ETA: 0s - loss: 0.6152 - accuracy:
0.8801
150/750 [====>.....] - ETA: 0s - loss: 0.6029 - accuracy:
0.8817
225/750 [=====>.....] - ETA: 0s - loss: 0.6121 - accuracy:
0.8781
299/750 [======>.....] - ETA: 0s - loss: 0.6118 - accuracy:
0.8786
373/750 [======>.....] - ETA: 0s - loss: 0.6113 - accuracy:
0.8802
446/750 [======>.....] - ETA: 0s - loss: 0.6070 - accuracy:
0.8821
519/750 [======>.....] - ETA: 0s - loss: 0.6054 - accuracy:
0.8827
594/750 [======>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8824
667/750 [======>....] - ETA: 0s - loss: 0.6062 - accuracy:
0.8817
740/750 [======>.] - ETA: 0s - loss: 0.6081 - accuracy:

0.8807
750/750 [=====] - 1s 825us/step - loss: 0.6077 - accuracy:
0.8809 - val_loss: 0.6383 - val_accuracy: 0.8702
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.6275 - accuracy:
0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.5880 - accuracy:
0.8876
149/750 [====>.....] - ETA: 0s - loss: 0.5982 - accuracy:
0.8844
222/750 [=====>.....] - ETA: 0s - loss: 0.6010 - accuracy:
0.8849
297/750 [======>.....] - ETA: 0s - loss: 0.6004 - accuracy:
0.8852
370/750 [======>.....] - ETA: 0s - loss: 0.6022 - accuracy:
0.8842
444/750 [======>.....] - ETA: 0s - loss: 0.6039 - accuracy:
0.8831
519/750 [======>.....] - ETA: 0s - loss: 0.6062 - accuracy:
0.8820
594/750 [======>.....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8817
667/750 [======>....] - ETA: 0s - loss: 0.6060 - accuracy:
0.8816
743/750 [======>.] - ETA: 0s - loss: 0.6064 - accuracy:
0.8812
750/750 [=====] - 1s 826us/step - loss: 0.6065 - accuracy:
0.8812 - val_loss: 0.6359 - val_accuracy: 0.8702
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.5702 - accuracy:
0.9062
76/750 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy:
0.8787
149/750 [====>.....] - ETA: 0s - loss: 0.6175 - accuracy:
0.8767
223/750 [=====>.....] - ETA: 0s - loss: 0.6129 - accuracy:
0.8787
298/750 [======>.....] - ETA: 0s - loss: 0.6129 - accuracy:
0.8797
373/750 [======>.....] - ETA: 0s - loss: 0.6081 - accuracy:
0.8805
449/750 [======>.....] - ETA: 0s - loss: 0.6073 - accuracy:
0.8810
524/750 [======>.....] - ETA: 0s - loss: 0.6063 - accuracy:
0.8807
597/750 [======>.....] - ETA: 0s - loss: 0.6056 - accuracy:
0.8810
669/750 [======>....] - ETA: 0s - loss: 0.6058 - accuracy:

0.8813 [=====] - ETA: 0s - loss: 0.6052 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.6052 - accuracy:
0.8812 [=====] - ETA: 0s - loss: 0.6052 - accuracy:
750/750 [=====] - 1s 830us/step - loss: 0.6054 - accuracy:
0.8810 - val_loss: 0.6351 - val_accuracy: 0.8686
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.6478 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6478 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6115 - accuracy:
0.8807 [.....] - ETA: 0s - loss: 0.6115 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.6084 - accuracy:
0.8801 [.....] - ETA: 0s - loss: 0.6084 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.6135 - accuracy:
0.8803 [.....] - ETA: 0s - loss: 0.6135 - accuracy:
298/750 [======>.....] - ETA: 0s - loss: 0.6103 - accuracy:
0.8810 [.....] - ETA: 0s - loss: 0.6103 - accuracy:
373/750 [======>.....] - ETA: 0s - loss: 0.6070 - accuracy:
0.8816 [.....] - ETA: 0s - loss: 0.6070 - accuracy:
448/750 [======>.....] - ETA: 0s - loss: 0.6046 - accuracy:
0.8821 [.....] - ETA: 0s - loss: 0.6046 - accuracy:
523/750 [======>.....] - ETA: 0s - loss: 0.6040 - accuracy:
0.8821 [.....] - ETA: 0s - loss: 0.6040 - accuracy:
597/750 [======>.....] - ETA: 0s - loss: 0.6045 - accuracy:
0.8820 [.....] - ETA: 0s - loss: 0.6045 - accuracy:
671/750 [======>....] - ETA: 0s - loss: 0.6050 - accuracy:
0.8814 [.....] - ETA: 0s - loss: 0.6050 - accuracy:
745/750 [======>.] - ETA: 0s - loss: 0.6045 - accuracy:
0.8816 [.....] - ETA: 0s - loss: 0.6045 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.6041 - accuracy:
0.8817 - val_loss: 0.6351 - val_accuracy: 0.8691
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.6034 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6034 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5955 - accuracy:
0.8845 [.....] - ETA: 0s - loss: 0.5955 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5993 - accuracy:
0.8830 [.....] - ETA: 0s - loss: 0.5993 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.6029 - accuracy:
0.8825 [.....] - ETA: 0s - loss: 0.6029 - accuracy:
295/750 [======>.....] - ETA: 0s - loss: 0.6040 - accuracy:
0.8808 [.....] - ETA: 0s - loss: 0.6040 - accuracy:
372/750 [======>.....] - ETA: 0s - loss: 0.6054 - accuracy:
0.8805 [.....] - ETA: 0s - loss: 0.6054 - accuracy:
447/750 [======>.....] - ETA: 0s - loss: 0.6035 - accuracy:
0.8815 [.....] - ETA: 0s - loss: 0.6035 - accuracy:
520/750 [======>.....] - ETA: 0s - loss: 0.6045 - accuracy:
0.8816 [.....] - ETA: 0s - loss: 0.6045 - accuracy:
595/750 [======>.....] - ETA: 0s - loss: 0.6054 - accuracy:

0.8814 [=====>....] - ETA: 0s - loss: 0.6042 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.6042 - accuracy:
0.8815 [=====>....] - ETA: 0s - loss: 0.6042 - accuracy:
742/750 [=====>....] - ETA: 0s - loss: 0.6028 - accuracy:
0.8820 [=====>....] - ETA: 0s - loss: 0.6028 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.6033 - accuracy:
0.8819 - val_loss: 0.6345 - val_accuracy: 0.8717
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.4819 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.4819 - accuracy:
79/750 [==>.....] - ETA: 0s - loss: 0.5871 - accuracy:
0.8855 [==>.....] - ETA: 0s - loss: 0.5871 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8826 [===>.....] - ETA: 0s - loss: 0.5985 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.6014 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.6014 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
0.8834 [=====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy:
0.8830 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.6004 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.6004 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.6022 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.6022 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.6007 - accuracy:
0.8837 [=====>....] - ETA: 0s - loss: 0.6007 - accuracy:
744/750 [=====>....] - ETA: 0s - loss: 0.6016 - accuracy:
0.8832 [=====>....] - ETA: 0s - loss: 0.6016 - accuracy:
750/750 [=====] - 1s 822us/step - loss: 0.6015 - accuracy:
0.8831 - val_loss: 0.6357 - val_accuracy: 0.8678
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.6497 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.6497 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.6102 - accuracy:
0.8773 [==>.....] - ETA: 0s - loss: 0.6102 - accuracy:
151/750 [===>.....] - ETA: 0s - loss: 0.5981 - accuracy:
0.8831 [===>.....] - ETA: 0s - loss: 0.5981 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.6007 - accuracy:
0.8833 [=====>.....] - ETA: 0s - loss: 0.6007 - accuracy:
369/750 [=====>.....] - ETA: 0s - loss: 0.6037 - accuracy:
0.8813 [=====>.....] - ETA: 0s - loss: 0.6037 - accuracy:
442/750 [=====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy:

0.8819 [=====>.....] - ETA: 0s - loss: 0.6018 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.6018 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.6016 - accuracy:
664/750 [=====>....] - ETA: 0s - loss: 0.6016 - accuracy:
0.8826 [=====>....] - ETA: 0s - loss: 0.6015 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.6015 - accuracy:
0.8824 [=====>.] - ETA: 0s - loss: 0.6011 - accuracy:
750/750 [=====] - 1s 836us/step - loss: 0.6011 - accuracy:
0.8825 - val_loss: 0.6312 - val_accuracy: 0.8717
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6083 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.6083 - accuracy:
0.8802 [==>.....] - ETA: 0s - loss: 0.6001 - accuracy:
149/750 [===>.....] - ETA: 0s - loss: 0.6001 - accuracy:
0.8816 [===>.....] - ETA: 0s - loss: 0.5976 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8802 [=====>.....] - ETA: 0s - loss: 0.5981 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.5981 - accuracy:
0.8824 [=====>.....] - ETA: 0s - loss: 0.5952 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.5952 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.5979 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5979 - accuracy:
0.8830 [=====>.....] - ETA: 0s - loss: 0.5991 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5991 - accuracy:
0.8828 [=====>.....] - ETA: 0s - loss: 0.6019 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.6019 - accuracy:
0.8819 [=====>.....] - ETA: 0s - loss: 0.6012 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.6012 - accuracy:
0.8828 [=====>....] - ETA: 0s - loss: 0.6000 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.6000 - accuracy:
0.8834 [=====>.] - ETA: 0s - loss: 0.5999 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.5999 - accuracy:
0.8834 - val_loss: 0.6312 - val_accuracy: 0.8707
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.5471 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5928 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.5928 - accuracy:
0.8862 [=>.....] - ETA: 0s - loss: 0.5999 - accuracy:
142/750 [===>.....] - ETA: 0s - loss: 0.5999 - accuracy:
0.8828 [===>.....] - ETA: 0s - loss: 0.5987 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.5987 - accuracy:
0.8840 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy:
0.8846 [=====>.....] - ETA: 0s - loss: 0.5972 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.5972 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.5967 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.5967 - accuracy:

0.8846 [=====>.....] - ETA: 0s - loss: 0.5950 - accuracy:
497/750 [=====>.....] - ETA: 0s - loss: 0.5952 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
570/750 [=====>.....] - ETA: 0s - loss: 0.5987 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
714/750 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
750/750 [=====>.....] - 1s 858us/step - loss: 0.5983 - accuracy:
0.8837 - val_loss: 0.6304 - val_accuracy: 0.8712
Epoch 136/220

1/750 [=====>.....] - ETA: 0s - loss: 0.6810 - accuracy:
0.8750 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy:
73/750 [=====>.....] - ETA: 0s - loss: 0.5887 - accuracy:
0.8829 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
146/750 [=====>.....] - ETA: 0s - loss: 0.5883 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.5935 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.5949 - accuracy:
0.8862 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5980 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy:
0.8849 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8840 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
493/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8836 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
565/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8834 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
635/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
709/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8836 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
750/750 [=====>.....] - 1s 865us/step - loss: 0.5976 - accuracy:
0.8836 - val_loss: 0.6291 - val_accuracy: 0.8710
Epoch 137/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.5909 - accuracy:
71/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8864 [=====>.....] - ETA: 0s - loss: 0.5997 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.5981 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
0.8817 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5974 - accuracy:

0.8825 [.....] - ETA: 0s - loss: 0.5966 - accuracy: 430/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.8831 [.....] - ETA: 0s - loss: 0.5969 - accuracy: 502/750 [=====>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.8833 [.....] - ETA: 0s - loss: 0.5965 - accuracy: 574/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8837 [.....] - ETA: 0s - loss: 0.5969 - accuracy: 646/750 [=====>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.8835 [.....] - ETA: 0s - loss: 0.5972 - accuracy: 717/750 [=====>..] - ETA: 0s - loss: 0.5972 - accuracy: 0.8833 [.....] - 1s 854us/step - loss: 0.5962 - accuracy: 0.8837 - val_loss: 0.6288 - val_accuracy: 0.8719
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.5236 - accuracy: 0.9375 [.....] - ETA: 0s - loss: 0.6048 - accuracy: 74/750 [=>.....] - ETA: 0s - loss: 0.6048 - accuracy: 0.8832 [.....] - ETA: 0s - loss: 0.5925 - accuracy: 146/750 [====>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.8843 [.....] - ETA: 0s - loss: 0.6008 - accuracy: 216/750 [=====>.....] - ETA: 0s - loss: 0.6008 - accuracy: 0.8823 [.....] - ETA: 0s - loss: 0.6013 - accuracy: 290/750 [=====>.....] - ETA: 0s - loss: 0.6013 - accuracy: 0.8824 [.....] - ETA: 0s - loss: 0.6031 - accuracy: 363/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy: 0.8817 [.....] - ETA: 0s - loss: 0.6022 - accuracy: 436/750 [=====>.....] - ETA: 0s - loss: 0.6022 - accuracy: 0.8825 [.....] - ETA: 0s - loss: 0.5985 - accuracy: 505/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.8833 [.....] - ETA: 0s - loss: 0.5964 - accuracy: 577/750 [=====>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.8844 [.....] - ETA: 0s - loss: 0.5957 - accuracy: 650/750 [=====>....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8843 [.....] - ETA: 0s - loss: 0.5957 - accuracy: 720/750 [=====>..] - ETA: 0s - loss: 0.5957 - accuracy: 0.8844 [.....] - 1s 853us/step - loss: 0.5952 - accuracy: 0.8845 - val_loss: 0.6310 - val_accuracy: 0.8697
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.8750 [.....] - ETA: 0s - loss: 0.5753 - accuracy: 74/750 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.8904 [.....] - ETA: 0s - loss: 0.5804 - accuracy: 146/750 [====>.....] - ETA: 0s - loss: 0.5804 - accuracy: 0.8863 [.....] - ETA: 0s - loss: 0.5854 - accuracy: 218/750 [=====>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8850 [.....] - ETA: 0s - loss: 0.5873 - accuracy: 290/750 [=====>.....] - ETA: 0s - loss: 0.5873 - accuracy:

0.8853 [=====>.....] - ETA: 0s - loss: 0.5932 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.5929 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.5952 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.5952 - accuracy:
0.8836 [=====>.....] - ETA: 0s - loss: 0.5918 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.5940 - accuracy:
0.8827 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8831 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
721/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8841 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
750/750 [=====] - 1s 853us/step - loss: 0.5942 - accuracy:
0.8841 - val_loss: 0.6271 - val_accuracy: 0.8716
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.5652 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5911 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5869 - accuracy:
0.8812 [====>.....] - ETA: 0s - loss: 0.5884 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
0.8853 [====>.....] - ETA: 0s - loss: 0.5916 - accuracy:
214/750 [====>.....] - ETA: 0s - loss: 0.5928 - accuracy:
0.8860 [====>.....] - ETA: 0s - loss: 0.5946 - accuracy:
286/750 [====>.....] - ETA: 0s - loss: 0.5950 - accuracy:
0.8855 [====>.....] - ETA: 0s - loss: 0.5928 - accuracy:
356/750 [====>.....] - ETA: 0s - loss: 0.5939 - accuracy:
0.8852 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
428/750 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
0.8839 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
499/750 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
0.8832 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
571/750 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
0.8836 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
644/750 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
0.8841 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
715/750 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
0.8842 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
750/750 [=====] - 1s 856us/step - loss: 0.5930 - accuracy:
0.8848 - val_loss: 0.6267 - val_accuracy: 0.8721
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.6116 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.5943 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5870 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.5884 - accuracy:
0.8833 [====>.....] - ETA: 0s - loss: 0.5884 - accuracy:
217/750 [====>.....] - ETA: 0s - loss: 0.5884 - accuracy:

0.8837 [=====>.....] - ETA: 0s - loss: 0.5853 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.5853 - accuracy:
0.8850 [=====>.....] - ETA: 0s - loss: 0.5904 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.5904 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
0.8851 [=====>.....] - ETA: 0s - loss: 0.5879 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.5879 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy:
648/750 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy:
0.8848 [=====>..] - ETA: 0s - loss: 0.5904 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.5904 - accuracy:
0.8849 [=====] - 1s 854us/step - loss: 0.5918 - accuracy:
750/750 [=====] - 1s 854us/step - loss: 0.5918 - accuracy:
0.8842 - val_loss: 0.6240 - val_accuracy: 0.8725
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.6129 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.6130 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6130 - accuracy:
0.8803 [====>.....] - ETA: 0s - loss: 0.6018 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.6018 - accuracy:
0.8813 [====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
215/750 [====>.....] - ETA: 0s - loss: 0.5931 - accuracy:
0.8829 [====>.....] - ETA: 0s - loss: 0.5946 - accuracy:
287/750 [====>.....] - ETA: 0s - loss: 0.5946 - accuracy:
0.8827 [====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
359/750 [====>.....] - ETA: 0s - loss: 0.5942 - accuracy:
0.8834 [====>.....] - ETA: 0s - loss: 0.5909 - accuracy:
430/750 [====>.....] - ETA: 0s - loss: 0.5909 - accuracy:
0.8846 [====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
503/750 [====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
0.8854 [====>.....] - ETA: 0s - loss: 0.5894 - accuracy:
575/750 [====>.....] - ETA: 0s - loss: 0.5894 - accuracy:
0.8857 [====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
645/750 [====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
0.8859 [====>..] - ETA: 0s - loss: 0.5911 - accuracy:
719/750 [====>..] - ETA: 0s - loss: 0.5911 - accuracy:
0.8861 [====>..] - 1s 846us/step - loss: 0.5906 - accuracy:
750/750 [====>..] - 1s 846us/step - loss: 0.5906 - accuracy:
0.8862 - val_loss: 0.6239 - val_accuracy: 0.8716
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.4769 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5944 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.5944 - accuracy:
0.8794 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5930 - accuracy:

0.8825 [.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.8837
218/750 [=====>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.8837
290/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.8858
362/750 [=====>.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.8856
436/750 [=====>.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.8842
508/750 [=====>.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.8843
584/750 [=====>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.8858
658/750 [=====>....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8854
731/750 [=====>.] - ETA: 0s - loss: 0.5885 - accuracy: 0.8852
750/750 [=====>] - 1s 837us/step - loss: 0.5894 - accuracy: 0.8849 - val_loss: 0.6229 - val_accuracy: 0.8723
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.5267 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.5870 - accuracy: 0.8875
146/750 [=====>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.8845
214/750 [=====>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.8849
283/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8856
357/750 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.8852
429/750 [=====>.....] - ETA: 0s - loss: 0.5877 - accuracy: 0.8864
504/750 [=====>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.8867
577/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8863
652/750 [=====>....] - ETA: 0s - loss: 0.5877 - accuracy: 0.8861
727/750 [=====>.] - ETA: 0s - loss: 0.5888 - accuracy: 0.8856
750/750 [=====>] - 1s 841us/step - loss: 0.5885 - accuracy: 0.8855 - val_loss: 0.6239 - val_accuracy: 0.8724
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.4669 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy:

0.8786 [.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.8869
224/750 [=====>.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.8884
298/750 [=====>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.8880
373/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8863
447/750 [=====>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.8856
522/750 [=====>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.8847
595/750 [=====>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.8859
670/750 [=====>....] - ETA: 0s - loss: 0.5876 - accuracy: 0.8855
745/750 [=====>.] - ETA: 0s - loss: 0.5872 - accuracy: 0.8855
750/750 [=====] - 1s 822us/step - loss: 0.5871 - accuracy: 0.8855 - val_loss: 0.6234 - val_accuracy: 0.8704
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.7022 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.8896
148/750 [====>.....] - ETA: 0s - loss: 0.5959 - accuracy: 0.8855
223/750 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.8879
296/750 [=====>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.8884
371/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy: 0.8877
445/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.8877
518/750 [=====>.....] - ETA: 0s - loss: 0.5847 - accuracy: 0.8872
592/750 [=====>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8868
665/750 [=====>....] - ETA: 0s - loss: 0.5843 - accuracy: 0.8868
739/750 [=====>.] - ETA: 0s - loss: 0.5863 - accuracy: 0.8862
750/750 [=====] - 1s 829us/step - loss: 0.5865 - accuracy: 0.8862 - val_loss: 0.6224 - val_accuracy: 0.8721
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.5656 - accuracy:

0.8750 [====>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.8877
152/750 [=====>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8875
225/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.8879
299/750 [=====>.....] - ETA: 0s - loss: 0.5839 - accuracy: 0.8891
375/750 [=====>.....] - ETA: 0s - loss: 0.5845 - accuracy: 0.8880
449/750 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8873
522/750 [=====>.....] - ETA: 0s - loss: 0.5839 - accuracy: 0.8882
596/750 [=====>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.8880
670/750 [=====>....] - ETA: 0s - loss: 0.5842 - accuracy: 0.8875
746/750 [=====>.] - ETA: 0s - loss: 0.5851 - accuracy: 0.8866
750/750 [=====>] - 1s 822us/step - loss: 0.5854 - accuracy: 0.8865 - val_loss: 0.6206 - val_accuracy: 0.8731
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.8801
147/750 [====>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.8836
223/750 [=====>.....] - ETA: 0s - loss: 0.5851 - accuracy: 0.8852
294/750 [=====>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.8864
367/750 [=====>.....] - ETA: 0s - loss: 0.5807 - accuracy: 0.8873
442/750 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.8871
514/750 [=====>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8867
589/750 [=====>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.8868
663/750 [=====>....] - ETA: 0s - loss: 0.5836 - accuracy: 0.8865
738/750 [=====>.] - ETA: 0s - loss: 0.5836 - accuracy: 0.8863
750/750 [=====>] - 1s 829us/step - loss: 0.5844 - accuracy: 0.8860 - val_loss: 0.6186 - val_accuracy: 0.8742
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.9062
77/750 [==>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.8894
150/750 [=====>.....] - ETA: 0s - loss: 0.5873 - accuracy: 0.8853
225/750 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.8846
299/750 [======>.....] - ETA: 0s - loss: 0.5910 - accuracy: 0.8830
373/750 [======>.....] - ETA: 0s - loss: 0.5891 - accuracy: 0.8832
449/750 [======>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.8840
524/750 [======>.....] - ETA: 0s - loss: 0.5875 - accuracy: 0.8849
599/750 [======>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.8852
673/750 [======>....] - ETA: 0s - loss: 0.5848 - accuracy: 0.8862
747/750 [======>.] - ETA: 0s - loss: 0.5839 - accuracy: 0.8866
750/750 [=====] - 1s 825us/step - loss: 0.5835 - accuracy: 0.8867 - val_loss: 0.6180 - val_accuracy: 0.8725
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.7013 - accuracy: 0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.8871
149/750 [=====>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.8864
223/750 [=====>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8859
297/750 [======>.....] - ETA: 0s - loss: 0.5795 - accuracy: 0.8871
372/750 [======>.....] - ETA: 0s - loss: 0.5780 - accuracy: 0.8881
445/750 [======>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.8885
520/750 [======>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.8890
596/750 [======>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8881
670/750 [======>....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8872
742/750 [======>.] - ETA: 0s - loss: 0.5821 - accuracy: 0.8870
750/750 [=====] - 1s 836us/step - loss: 0.5819 - accuracy:

0.8871 - val_loss: 0.6209 - val_accuracy: 0.8735
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.8834
150/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8838
224/750 [=====>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.8860
299/750 [======>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.8870
370/750 [======>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8874
445/750 [======>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8872
519/750 [======>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.8874
593/750 [======>.....] - ETA: 0s - loss: 0.5821 - accuracy: 0.8868
668/750 [======>....] - ETA: 0s - loss: 0.5810 - accuracy: 0.8870
741/750 [======>.] - ETA: 0s - loss: 0.5816 - accuracy: 0.8865
750/750 [=====] - 1s 828us/step - loss: 0.5814 - accuracy: 0.8867 - val_loss: 0.6191 - val_accuracy: 0.8720
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.5958 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.8893
150/750 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8867
222/750 [=====>.....] - ETA: 0s - loss: 0.5759 - accuracy: 0.8893
296/750 [======>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.8871
371/750 [======>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.8880
445/750 [======>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.8898
517/750 [======>.....] - ETA: 0s - loss: 0.5779 - accuracy: 0.8894
592/750 [======>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8892
666/750 [======>....] - ETA: 0s - loss: 0.5791 - accuracy: 0.8887
743/750 [======>.] - ETA: 0s - loss: 0.5800 - accuracy:

0.8878
750/750 [=====] - 1s 825us/step - loss: 0.5799 - accuracy:
0.8878 - val_loss: 0.6173 - val_accuracy: 0.8726
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.4789 - accuracy:
0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.5773 - accuracy:
0.8892
149/750 [===>.....] - ETA: 0s - loss: 0.5776 - accuracy:
0.8883
226/750 [=====>.....] - ETA: 0s - loss: 0.5787 - accuracy:
0.8883
300/750 [=====>.....] - ETA: 0s - loss: 0.5780 - accuracy:
0.8896
375/750 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
0.8884
451/750 [=====>.....] - ETA: 0s - loss: 0.5781 - accuracy:
0.8882
525/750 [=====>.....] - ETA: 0s - loss: 0.5776 - accuracy:
0.8878
600/750 [=====>.....] - ETA: 0s - loss: 0.5780 - accuracy:
0.8873
676/750 [=====>...] - ETA: 0s - loss: 0.5789 - accuracy:
0.8871
750/750 [=====] - ETA: 0s - loss: 0.5791 - accuracy:
0.8869
750/750 [=====] - 1s 826us/step - loss: 0.5791 - accuracy:
0.8869 - val_loss: 0.6151 - val_accuracy: 0.8742
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.6067 - accuracy:
0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.5646 - accuracy:
0.8931
148/750 [===>.....] - ETA: 0s - loss: 0.5752 - accuracy:
0.8898
222/750 [=====>.....] - ETA: 0s - loss: 0.5726 - accuracy:
0.8904
296/750 [=====>.....] - ETA: 0s - loss: 0.5734 - accuracy:
0.8903
372/750 [=====>.....] - ETA: 0s - loss: 0.5745 - accuracy:
0.8894
444/750 [=====>.....] - ETA: 0s - loss: 0.5772 - accuracy:
0.8883
518/750 [=====>.....] - ETA: 0s - loss: 0.5777 - accuracy:
0.8876
592/750 [=====>.....] - ETA: 0s - loss: 0.5773 - accuracy:
0.8882
666/750 [=====>....] - ETA: 0s - loss: 0.5759 - accuracy:

0.8889 [=====] - ETA: 0s - loss: 0.5771 - accuracy:
738/750 [=====>.] - ETA: 0s - loss: 0.5771 - accuracy:
0.8883 [=====] - ETA: 0s - loss: 0.5771 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.5781 - accuracy:
0.8880 - val_loss: 0.6150 - val_accuracy: 0.8742
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.6120 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6120 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5790 - accuracy:
0.8817 [.....] - ETA: 0s - loss: 0.5790 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8875 [.....] - ETA: 0s - loss: 0.5762 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.5800 - accuracy:
300/750 [======>.....] - ETA: 0s - loss: 0.5815 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.5815 - accuracy:
376/750 [======>.....] - ETA: 0s - loss: 0.5795 - accuracy:
0.8867 [.....] - ETA: 0s - loss: 0.5795 - accuracy:
445/750 [======>.....] - ETA: 0s - loss: 0.5805 - accuracy:
0.8867 [.....] - ETA: 0s - loss: 0.5805 - accuracy:
519/750 [======>.....] - ETA: 0s - loss: 0.5793 - accuracy:
0.8870 [.....] - ETA: 0s - loss: 0.5793 - accuracy:
595/750 [======>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8873 [.....] - ETA: 0s - loss: 0.5774 - accuracy:
667/750 [======>....] - ETA: 0s - loss: 0.5790 - accuracy:
0.8871 [.....] - ETA: 0s - loss: 0.5790 - accuracy:
742/750 [======>.] - ETA: 0s - loss: 0.5775 - accuracy:
0.8880 [.....] - ETA: 0s - loss: 0.5775 - accuracy:
750/750 [=====] - 1s 830us/step - loss: 0.5771 - accuracy:
0.8880 - val_loss: 0.6158 - val_accuracy: 0.8724
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.6048 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6048 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5747 - accuracy:
0.8904 [.....] - ETA: 0s - loss: 0.5747 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
0.8899 [.....] - ETA: 0s - loss: 0.5765 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8903 [.....] - ETA: 0s - loss: 0.5762 - accuracy:
294/750 [======>.....] - ETA: 0s - loss: 0.5736 - accuracy:
0.8892 [.....] - ETA: 0s - loss: 0.5736 - accuracy:
366/750 [======>.....] - ETA: 0s - loss: 0.5749 - accuracy:
0.8890 [.....] - ETA: 0s - loss: 0.5749 - accuracy:
441/750 [======>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8885 [.....] - ETA: 0s - loss: 0.5762 - accuracy:
514/750 [======>.....] - ETA: 0s - loss: 0.5781 - accuracy:
0.8874 [.....] - ETA: 0s - loss: 0.5781 - accuracy:
588/750 [======>.....] - ETA: 0s - loss: 0.5776 - accuracy:

0.8876 [=====>....] - ETA: 0s - loss: 0.5752 - accuracy:
0.8892 [=====>....] - ETA: 0s - loss: 0.5760 - accuracy:
737/750 [=====>....] - ETA: 0s - loss: 0.5760 - accuracy:
0.8887 [=====>....] - ETA: 0s - loss: 0.5760 - accuracy:
750/750 [=====] - 1s 830us/step - loss: 0.5760 - accuracy:
0.8886 - val_loss: 0.6151 - val_accuracy: 0.8736
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.6197 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5669 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5669 - accuracy:
0.8869 [==>.....] - ETA: 0s - loss: 0.5695 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5695 - accuracy:
0.8886 [====>.....] - ETA: 0s - loss: 0.5692 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
0.8885 [=====>.....] - ETA: 0s - loss: 0.5726 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5726 - accuracy:
0.8886 [=====>.....] - ETA: 0s - loss: 0.5759 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5759 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5763 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5763 - accuracy:
0.8872 [=====>....] - ETA: 0s - loss: 0.5754 - accuracy:
742/750 [=====>....] - ETA: 0s - loss: 0.5754 - accuracy:
0.8874 [=====>....] - ETA: 0s - loss: 0.5749 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5749 - accuracy:
0.8875 - val_loss: 0.6144 - val_accuracy: 0.8735
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.5104 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5554 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5554 - accuracy:
0.8973 [==>.....] - ETA: 0s - loss: 0.5635 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5635 - accuracy:
0.8909 [====>.....] - ETA: 0s - loss: 0.5679 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.5679 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8894 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.5750 - accuracy:

0.8885 [=====>.....] - ETA: 0s - loss: 0.5743 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5743 - accuracy:
0.8884 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy:
668/750 [=====>....] - ETA: 0s - loss: 0.5732 - accuracy:
0.8888 [=====>....] - ETA: 0s - loss: 0.5738 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.5738 - accuracy:
0.8890 [=====] - 1s 826us/step - loss: 0.5738 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.5738 - accuracy:
0.8890 - val_loss: 0.6133 - val_accuracy: 0.8746
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.4759 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5754 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5754 - accuracy:
0.8943 [==>.....] - ETA: 0s - loss: 0.5765 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5765 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
0.8918 [=====>.....] - ETA: 0s - loss: 0.5719 - accuracy:
300/750 [=====>.....] - ETA: 0s - loss: 0.5719 - accuracy:
0.8914 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
0.8920 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5713 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.5713 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
597/750 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.5721 - accuracy:
0.8903 [=====>....] - ETA: 0s - loss: 0.5729 - accuracy:
746/750 [=====>.] - ETA: 0s - loss: 0.5729 - accuracy:
0.8895 [=====] - 1s 824us/step - loss: 0.5730 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.5730 - accuracy:
0.8895 - val_loss: 0.6155 - val_accuracy: 0.8732
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.5153 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.5859 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5859 - accuracy:
0.8815 [==>.....] - ETA: 0s - loss: 0.5831 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5831 - accuracy:
0.8858 [====>.....] - ETA: 0s - loss: 0.5821 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.5821 - accuracy:
0.8851 [=====>.....] - ETA: 0s - loss: 0.5797 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5797 - accuracy:
0.8869 [=====>.....] - ETA: 0s - loss: 0.5782 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.5782 - accuracy:
0.8876 [=====>.....] - ETA: 0s - loss: 0.5756 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.5756 - accuracy:

0.8885 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.5752 - accuracy:
0.8883 [=====>.....] - ETA: 0s - loss: 0.5745 - accuracy:
598/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:
0.8887 [=====>....] - ETA: 0s - loss: 0.5720 - accuracy:
671/750 [=====>.] - ETA: 0s - loss: 0.5720 - accuracy:
0.8892 [=====>.] - ETA: 0s - loss: 0.5720 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.5720 - accuracy:
0.8895 [=====] - 1s 825us/step - loss: 0.5720 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5720 - accuracy:
0.8897 - val_loss: 0.6107 - val_accuracy: 0.8741
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.7115 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.5644 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.5636 - accuracy:
0.8949 [====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5677 - accuracy:
0.8939 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
0.8927 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:
0.8919 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
0.8916 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
443/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy:
0.8904 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
0.8898 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
668/750 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
742/750 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy:
750/750 [=====>.....] - 1s 825us/step - loss: 0.5709 - accuracy:
0.8900 - val_loss: 0.6159 - val_accuracy: 0.8728
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.5764 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8868 [====>.....] - ETA: 0s - loss: 0.5714 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5698 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
0.8872 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
0.8884 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.5689 - accuracy:

0.8887 [=====>.....] - ETA: 0s - loss: 0.5679 - accuracy: 0.8900
524/750 [=====>.....] - ETA: 0s - loss: 0.5696 - accuracy: 0.8897
600/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8901
675/750 [=====>...] - ETA: 0s - loss: 0.5687 - accuracy: 0.8903
749/750 [=====>.] - ETA: 0s - loss: 0.5698 - accuracy: 0.8895
750/750 [=====] - 1s 824us/step - loss: 0.5700 - accuracy: 0.8895 - val_loss: 0.6084 - val_accuracy: 0.8752
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.5599 - accuracy: 0.8750
77/750 [==>.....] - ETA: 0s - loss: 0.5720 - accuracy: 0.8880
151/750 [====>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.8889
226/750 [=====>.....] - ETA: 0s - loss: 0.5723 - accuracy: 0.8867
301/750 [=====>.....] - ETA: 0s - loss: 0.5704 - accuracy: 0.8878
376/750 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.8906
450/750 [=====>.....] - ETA: 0s - loss: 0.5683 - accuracy: 0.8899
523/750 [=====>.....] - ETA: 0s - loss: 0.5653 - accuracy: 0.8911
597/750 [=====>.....] - ETA: 0s - loss: 0.5650 - accuracy: 0.8909
672/750 [=====>...] - ETA: 0s - loss: 0.5680 - accuracy: 0.8897
745/750 [=====>.] - ETA: 0s - loss: 0.5684 - accuracy: 0.8899
750/750 [=====] - 1s 820us/step - loss: 0.5690 - accuracy: 0.8898 - val_loss: 0.6098 - val_accuracy: 0.8734
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.5972 - accuracy: 0.8906
76/750 [==>.....] - ETA: 0s - loss: 0.5613 - accuracy: 0.8882
151/750 [====>.....] - ETA: 0s - loss: 0.5618 - accuracy: 0.8896
224/750 [=====>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.8880
298/750 [=====>.....] - ETA: 0s - loss: 0.5638 - accuracy:

0.8877 [=====>.....] - ETA: 0s - loss: 0.5657 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5672 - accuracy:
0.8870 [=====>.....] - ETA: 0s - loss: 0.5653 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.5682 - accuracy:
0.8878 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy:
0.8889 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.5683 - accuracy:
0.8889 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
670/750 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
0.8901 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
744/750 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5681 - accuracy:
0.8899 - val_loss: 0.6083 - val_accuracy: 0.8749
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.5368 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.5607 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5621 - accuracy:
0.8932 [====>.....] - ETA: 0s - loss: 0.5595 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5634 - accuracy:
0.8921 [====>.....] - ETA: 0s - loss: 0.5655 - accuracy:
224/750 [====>.....] - ETA: 0s - loss: 0.5661 - accuracy:
0.8935 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
298/750 [====>.....] - ETA: 0s - loss: 0.5654 - accuracy:
0.8910 [====>.....] - ETA: 0s - loss: 0.5660 - accuracy:
371/750 [====>.....] - ETA: 0s - loss: 0.5668 - accuracy:
0.8901 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
445/750 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8902 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
519/750 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8915 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
594/750 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
670/750 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8905 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
744/750 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
0.8898 [====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5670 - accuracy:
0.8898 - val_loss: 0.6123 - val_accuracy: 0.8733
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.6328 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5726 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5745 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8853 [====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
220/750 [====>.....] - ETA: 0s - loss: 0.5729 - accuracy:

0.8881 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
0.8873 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy:
0.8877 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5662 - accuracy:
0.8892 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
664/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
732/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.5658 - accuracy:
0.8902 - val_loss: 0.6091 - val_accuracy: 0.8740
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.5449 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.5652 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5660 - accuracy:
0.8928 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.5714 - accuracy:
0.8905 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8904 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8895 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8911 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8907 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
514/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8907 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
587/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
661/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
735/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8898 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
750/750 [=====>.....] - 1s 833us/step - loss: 0.5654 - accuracy:
0.8900 - val_loss: 0.6065 - val_accuracy: 0.8744
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.4364 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5644 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5564 - accuracy:
149/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy:

0.8928 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5588 - accuracy:
0.8923 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy:
0.8936 [=====>.....] - ETA: 0s - loss: 0.5585 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.5585 - accuracy:
0.8933 [=====>.....] - ETA: 0s - loss: 0.5599 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5599 - accuracy:
0.8928 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy:
0.8927 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy:
0.8918 [=====>....] - ETA: 0s - loss: 0.5628 - accuracy:
668/750 [=====>....] - ETA: 0s - loss: 0.5628 - accuracy:
0.8906 [=====>.] - ETA: 0s - loss: 0.5641 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.5641 - accuracy:
0.8901 [=====] - 1s 824us/step - loss: 0.5641 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.5641 - accuracy:
0.8900 - val_loss: 0.6054 - val_accuracy: 0.8769
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.4479 - accuracy:
0.9375 [==>.....] - ETA: 0s - loss: 0.5692 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5692 - accuracy:
0.8919 [==>.....] - ETA: 0s - loss: 0.5723 - accuracy:
148/750 [==>.....] - ETA: 0s - loss: 0.5723 - accuracy:
0.8901 [==>.....] - ETA: 0s - loss: 0.5675 - accuracy:
224/750 [==>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8912 [==>.....] - ETA: 0s - loss: 0.5617 - accuracy:
297/750 [==>.....] - ETA: 0s - loss: 0.5617 - accuracy:
0.8922 [==>.....] - ETA: 0s - loss: 0.5603 - accuracy:
373/750 [==>.....] - ETA: 0s - loss: 0.5603 - accuracy:
0.8919 [==>.....] - ETA: 0s - loss: 0.5583 - accuracy:
445/750 [==>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.8925 [==>.....] - ETA: 0s - loss: 0.5600 - accuracy:
517/750 [==>.....] - ETA: 0s - loss: 0.5600 - accuracy:
0.8917 [==>.....] - ETA: 0s - loss: 0.5616 - accuracy:
593/750 [==>.....] - ETA: 0s - loss: 0.5616 - accuracy:
0.8915 [==>.....] - ETA: 0s - loss: 0.5628 - accuracy:
668/750 [==>.....] - ETA: 0s - loss: 0.5628 - accuracy:
0.8909 [==>.....] - ETA: 0s - loss: 0.5627 - accuracy:
742/750 [==>.....] - 1s 828us/step - loss: 0.5632 - accuracy:
750/750 [==>.....] - 1s 828us/step - loss: 0.5632 - accuracy:
0.8908 - val_loss: 0.6047 - val_accuracy: 0.8756
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.5545 - accuracy:
0.8125 [==>.....] - ETA: 0s - loss: 0.5626 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5626 - accuracy:

0.8906 [.....] - ETA: 0s - loss: 0.5582 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5582 - accuracy:
0.8916 [.....] - ETA: 0s - loss: 0.5608 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5608 - accuracy:
0.8917 [.....] - ETA: 0s - loss: 0.5606 - accuracy:
298/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy:
0.8921 [.....] - ETA: 0s - loss: 0.5619 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.5619 - accuracy:
0.8920 [.....] - ETA: 0s - loss: 0.5603 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy:
0.8917 [.....] - ETA: 0s - loss: 0.5600 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5600 - accuracy:
0.8916 [.....] - ETA: 0s - loss: 0.5609 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.5609 - accuracy:
0.8912 [.....] - ETA: 0s - loss: 0.5615 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5615 - accuracy:
0.8908 [.....] - ETA: 0s - loss: 0.5625 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.5625 - accuracy:
0.8905 [.....] - 1s 829us/step - loss: 0.5624 - accuracy:
0.8905 - val_loss: 0.6043 - val_accuracy: 0.8754
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.6175 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5589 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5589 - accuracy:
0.8925 [.....] - ETA: 0s - loss: 0.5617 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5617 - accuracy:
0.8904 [.....] - ETA: 0s - loss: 0.5632 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy:
0.8886 [.....] - ETA: 0s - loss: 0.5645 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
0.8891 [.....] - ETA: 0s - loss: 0.5607 - accuracy:
371/750 [=====>.....] - ETA: 0s - loss: 0.5607 - accuracy:
0.8905 [.....] - ETA: 0s - loss: 0.5594 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.5594 - accuracy:
0.8909 [.....] - ETA: 0s - loss: 0.5599 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5599 - accuracy:
0.8912 [.....] - ETA: 0s - loss: 0.5606 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy:
0.8917 [.....] - ETA: 0s - loss: 0.5620 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5620 - accuracy:
0.8912 [.....] - ETA: 0s - loss: 0.5616 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.5616 - accuracy:
0.8913 [.....] - 1s 825us/step - loss: 0.5613 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5613 - accuracy:
0.8914 - val_loss: 0.6062 - val_accuracy: 0.8742
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.6183 - accuracy:

0.8594 [.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8949
76/750 [==>.....] - ETA: 0s - loss: 0.5592 - accuracy: 0.8919
150/750 [=====>.....] - ETA: 0s - loss: 0.5558 - accuracy: 0.8921
224/750 [=====>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.8917
300/750 [======>.....] - ETA: 0s - loss: 0.5553 - accuracy: 0.8925
373/750 [======>.....] - ETA: 0s - loss: 0.5562 - accuracy: 0.8923
448/750 [======>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8918
523/750 [======>.....] - ETA: 0s - loss: 0.5584 - accuracy: 0.8915
595/750 [======>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8910
668/750 [======>....] - ETA: 0s - loss: 0.5599 - accuracy: 0.8914
742/750 [======>.] - ETA: 0s - loss: 0.5604 - accuracy: 0.8912
750/750 [=====] - 1s 828us/step - loss: 0.5604 - accuracy: 0.8912 - val_loss: 0.6033 - val_accuracy: 0.8751
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.4241 - accuracy: 0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.8878
148/750 [===>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.8888
222/750 [=====>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.8890
297/750 [======>.....] - ETA: 0s - loss: 0.5637 - accuracy: 0.8888
370/750 [======>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8893
444/750 [======>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8904
517/750 [======>.....] - ETA: 0s - loss: 0.5592 - accuracy: 0.8907
594/750 [======>.....] - ETA: 0s - loss: 0.5576 - accuracy: 0.8916
667/750 [======>....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8912
744/750 [======>.] - ETA: 0s - loss: 0.5599 - accuracy: 0.8911
750/750 [=====] - 1s 826us/step - loss: 0.5595 - accuracy: 0.8913 - val_loss: 0.6029 - val_accuracy: 0.8743
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.4736 - accuracy: 0.9531
77/750 [==>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.8900
148/750 [====>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.8885
223/750 [=====>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.8920
298/750 [======>.....] - ETA: 0s - loss: 0.5576 - accuracy: 0.8920
371/750 [======>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.8918
445/750 [======>.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.8931
520/750 [======>.....] - ETA: 0s - loss: 0.5572 - accuracy: 0.8921
595/750 [======>.....] - ETA: 0s - loss: 0.5582 - accuracy: 0.8920
668/750 [======>....] - ETA: 0s - loss: 0.5587 - accuracy: 0.8920
744/750 [======>.] - ETA: 0s - loss: 0.5581 - accuracy: 0.8917
750/750 [=====] - 1s 825us/step - loss: 0.5587 - accuracy: 0.8915 - val_loss: 0.6024 - val_accuracy: 0.8758
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.5002 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.5660 - accuracy: 0.8885
142/750 [====>.....] - ETA: 0s - loss: 0.5635 - accuracy: 0.8890
210/750 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.8911
284/750 [======>.....] - ETA: 0s - loss: 0.5561 - accuracy: 0.8932
359/750 [======>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.8938
430/750 [======>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.8919
503/750 [======>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.8920
579/750 [======>.....] - ETA: 0s - loss: 0.5601 - accuracy: 0.8918
650/750 [======>....] - ETA: 0s - loss: 0.5585 - accuracy: 0.8925
724/750 [======>..] - ETA: 0s - loss: 0.5582 - accuracy: 0.8925
750/750 [=====] - 1s 846us/step - loss: 0.5577 - accuracy:

0.8927 - val_loss: 0.6025 - val_accuracy: 0.8757
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.4596 - accuracy:
0.9531
76/750 [==>.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.9034
150/750 [====>.....] - ETA: 0s - loss: 0.5468 - accuracy:
0.8949
224/750 [=====>.....] - ETA: 0s - loss: 0.5529 - accuracy:
0.8929
299/750 [======>.....] - ETA: 0s - loss: 0.5530 - accuracy:
0.8935
375/750 [======>.....] - ETA: 0s - loss: 0.5545 - accuracy:
0.8929
451/750 [======>.....] - ETA: 0s - loss: 0.5572 - accuracy:
0.8919
525/750 [======>.....] - ETA: 0s - loss: 0.5562 - accuracy:
0.8922
601/750 [======>.....] - ETA: 0s - loss: 0.5567 - accuracy:
0.8924
675/750 [======>...] - ETA: 0s - loss: 0.5567 - accuracy:
0.8922
748/750 [======>.] - ETA: 0s - loss: 0.5574 - accuracy:
0.8913
750/750 [=====] - 1s 821us/step - loss: 0.5572 - accuracy:
0.8914 - val_loss: 0.6016 - val_accuracy: 0.8756
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.5552 - accuracy:
0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.5653 - accuracy:
0.8883
151/750 [====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
0.8870
224/750 [=====>.....] - ETA: 0s - loss: 0.5608 - accuracy:
0.8906
300/750 [======>.....] - ETA: 0s - loss: 0.5602 - accuracy:
0.8908
374/750 [======>.....] - ETA: 0s - loss: 0.5598 - accuracy:
0.8912
449/750 [======>.....] - ETA: 0s - loss: 0.5601 - accuracy:
0.8913
525/750 [======>.....] - ETA: 0s - loss: 0.5581 - accuracy:
0.8920
599/750 [======>.....] - ETA: 0s - loss: 0.5580 - accuracy:
0.8919
668/750 [======>...] - ETA: 0s - loss: 0.5577 - accuracy:
0.8917
741/750 [======>.] - ETA: 0s - loss: 0.5557 - accuracy:

0.8928
750/750 [=====] - 1s 830us/step - loss: 0.5562 - accuracy:
0.8925 - val_loss: 0.6003 - val_accuracy: 0.8771
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.6644 - accuracy:
0.8438
71/750 [=>.....] - ETA: 0s - loss: 0.5618 - accuracy:
0.8917
145/750 [====>.....] - ETA: 0s - loss: 0.5528 - accuracy:
0.8928
220/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.8936
290/750 [======>.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.8945
363/750 [======>.....] - ETA: 0s - loss: 0.5522 - accuracy:
0.8942
436/750 [======>.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8941
510/750 [======>.....] - ETA: 0s - loss: 0.5551 - accuracy:
0.8928
584/750 [======>.....] - ETA: 0s - loss: 0.5534 - accuracy:
0.8930
658/750 [======>....] - ETA: 0s - loss: 0.5542 - accuracy:
0.8924
732/750 [======>.] - ETA: 0s - loss: 0.5552 - accuracy:
0.8921
750/750 [=====] - 1s 836us/step - loss: 0.5549 - accuracy:
0.8921 - val_loss: 0.6035 - val_accuracy: 0.8741
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.7043 - accuracy:
0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.5456 - accuracy:
0.8925
148/750 [====>.....] - ETA: 0s - loss: 0.5524 - accuracy:
0.8905
221/750 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy:
0.8896
296/750 [======>.....] - ETA: 0s - loss: 0.5518 - accuracy:
0.8919
371/750 [======>.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8922
444/750 [======>.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8919
520/750 [======>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8925
594/750 [======>.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.8920
670/750 [======>....] - ETA: 0s - loss: 0.5539 - accuracy:

0.8920 [=====] - ETA: 0s - loss: 0.5546 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.5546 - accuracy:
0.8919 [=====] - ETA: 0s - loss: 0.5546 - accuracy:
750/750 [=====] - 1s 822us/step - loss: 0.5541 - accuracy:
0.8921 - val_loss: 0.6008 - val_accuracy: 0.8751
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.6909 - accuracy:
0.8125 [.....] - ETA: 0s - loss: 0.6909 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5674 - accuracy:
0.8881 [.....] - ETA: 0s - loss: 0.5674 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5620 - accuracy:
0.8876 [.....] - ETA: 0s - loss: 0.5620 - accuracy:
224/750 [=====>.....] - ETA: 0s - loss: 0.5582 - accuracy:
0.8895 [.....] - ETA: 0s - loss: 0.5582 - accuracy:
298/750 [======>.....] - ETA: 0s - loss: 0.5551 - accuracy:
0.8908 [.....] - ETA: 0s - loss: 0.5551 - accuracy:
374/750 [======>.....] - ETA: 0s - loss: 0.5540 - accuracy:
0.8920 [.....] - ETA: 0s - loss: 0.5540 - accuracy:
447/750 [======>.....] - ETA: 0s - loss: 0.5530 - accuracy:
0.8928 [.....] - ETA: 0s - loss: 0.5530 - accuracy:
521/750 [======>.....] - ETA: 0s - loss: 0.5558 - accuracy:
0.8914 [.....] - ETA: 0s - loss: 0.5558 - accuracy:
596/750 [======>.....] - ETA: 0s - loss: 0.5569 - accuracy:
0.8910 [.....] - ETA: 0s - loss: 0.5569 - accuracy:
669/750 [======>....] - ETA: 0s - loss: 0.5548 - accuracy:
0.8918 [.....] - ETA: 0s - loss: 0.5548 - accuracy:
745/750 [======>.] - ETA: 0s - loss: 0.5536 - accuracy:
0.8921 [.....] - ETA: 0s - loss: 0.5536 - accuracy:
750/750 [=====] - 1s 828us/step - loss: 0.5530 - accuracy:
0.8922 - val_loss: 0.5992 - val_accuracy: 0.8758
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.4703 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.4703 - accuracy:
77/750 [=>.....] - ETA: 0s - loss: 0.5622 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.5622 - accuracy:
151/750 [====>.....] - ETA: 0s - loss: 0.5598 - accuracy:
0.8901 [.....] - ETA: 0s - loss: 0.5598 - accuracy:
225/750 [=====>.....] - ETA: 0s - loss: 0.5609 - accuracy:
0.8892 [.....] - ETA: 0s - loss: 0.5609 - accuracy:
301/750 [======>.....] - ETA: 0s - loss: 0.5534 - accuracy:
0.8920 [.....] - ETA: 0s - loss: 0.5534 - accuracy:
374/750 [======>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8932 [.....] - ETA: 0s - loss: 0.5509 - accuracy:
448/750 [======>.....] - ETA: 0s - loss: 0.5505 - accuracy:
0.8935 [.....] - ETA: 0s - loss: 0.5505 - accuracy:
523/750 [======>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8937 [.....] - ETA: 0s - loss: 0.5500 - accuracy:
598/750 [======>.....] - ETA: 0s - loss: 0.5529 - accuracy:

0.8927 [=====] - ETA: 0s - loss: 0.5530 - accuracy:
671/750 [=====>....] - ETA: 0s - loss: 0.5530 - accuracy:
0.8929 [=====] - ETA: 0s - loss: 0.5522 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.5522 - accuracy:
0.8931 [=====] - ETA: 1s 821us/step - loss: 0.5522 - accuracy:
750/750 [=====] - 1s 821us/step - loss: 0.5522 - accuracy:
0.8931 - val_loss: 0.5979 - val_accuracy: 0.8758
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.4677 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5497 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5497 - accuracy:
0.8958 [.....] - ETA: 0s - loss: 0.5550 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5550 - accuracy:
0.8923 [.....] - ETA: 0s - loss: 0.5523 - accuracy:
226/750 [=====>.....] - ETA: 0s - loss: 0.5523 - accuracy:
0.8930 [.....] - ETA: 0s - loss: 0.5562 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5562 - accuracy:
0.8914 [.....] - ETA: 0s - loss: 0.5567 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.5567 - accuracy:
0.8921 [.....] - ETA: 0s - loss: 0.5553 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.5553 - accuracy:
0.8926 [.....] - ETA: 0s - loss: 0.5538 - accuracy:
518/750 [=====>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.8929 [.....] - ETA: 0s - loss: 0.5533 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8935 [.....] - ETA: 0s - loss: 0.5513 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5513 - accuracy:
0.8938 [.....] - ETA: 0s - loss: 0.5515 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.5515 - accuracy:
0.8934 [.....] - ETA: 1s 826us/step - loss: 0.5512 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.5512 - accuracy:
0.8935 - val_loss: 0.5980 - val_accuracy: 0.8756
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.4893 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5463 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5463 - accuracy:
0.8914 [.....] - ETA: 0s - loss: 0.5427 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5427 - accuracy:
0.8951 [.....] - ETA: 0s - loss: 0.5452 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5452 - accuracy:
0.8952 [.....] - ETA: 0s - loss: 0.5457 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
0.8956 [.....] - ETA: 0s - loss: 0.5491 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.5491 - accuracy:
0.8929 [.....] - ETA: 0s - loss: 0.5496 - accuracy:
440/750 [=====>.....] - ETA: 0s - loss: 0.5496 - accuracy:
0.8923 [.....] - ETA: 0s - loss: 0.5500 - accuracy:
515/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy:

0.8928 [=====>.....] - ETA: 0s - loss: 0.5507 - accuracy:
589/750 [=====>.....] - ETA: 0s - loss: 0.5507 - accuracy:
0.8934 [=====>.....] - ETA: 0s - loss: 0.5504 - accuracy:
663/750 [=====>....] - ETA: 0s - loss: 0.5504 - accuracy:
0.8935 [=====>....] - ETA: 0s - loss: 0.5500 - accuracy:
737/750 [=====>.] - ETA: 0s - loss: 0.5500 - accuracy:
0.8933 [=====] - ETA: 1s 832us/step - loss: 0.5503 - accuracy:
750/750 [=====] - 1s 832us/step - loss: 0.5503 - accuracy:
0.8932 - val_loss: 0.5968 - val_accuracy: 0.8755
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.3615 - accuracy:
0.9844 [=>.....] - ETA: 0s - loss: 0.5399 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5399 - accuracy:
0.8942 [====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
0.8892 [====>.....] - ETA: 0s - loss: 0.5503 - accuracy:
221/750 [====>.....] - ETA: 0s - loss: 0.5503 - accuracy:
0.8898 [====>.....] - ETA: 0s - loss: 0.5503 - accuracy:
294/750 [====>.....] - ETA: 0s - loss: 0.5503 - accuracy:
0.8909 [====>.....] - ETA: 0s - loss: 0.5513 - accuracy:
370/750 [====>.....] - ETA: 0s - loss: 0.5513 - accuracy:
0.8915 [====>.....] - ETA: 0s - loss: 0.5511 - accuracy:
442/750 [====>.....] - ETA: 0s - loss: 0.5511 - accuracy:
0.8916 [====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
517/750 [====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
0.8927 [====>.....] - ETA: 0s - loss: 0.5492 - accuracy:
593/750 [====>.....] - ETA: 0s - loss: 0.5492 - accuracy:
0.8928 [====>.....] - ETA: 0s - loss: 0.5499 - accuracy:
667/750 [====>....] - ETA: 0s - loss: 0.5499 - accuracy:
0.8932 [====>....] - ETA: 0s - loss: 0.5495 - accuracy:
741/750 [====>.] - ETA: 0s - loss: 0.5495 - accuracy:
0.8933 [====>.] - ETA: 1s 828us/step - loss: 0.5497 - accuracy:
750/750 [====>.] - 1s 828us/step - loss: 0.5497 - accuracy:
0.8933 - val_loss: 0.5980 - val_accuracy: 0.8751
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.4784 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5294 - accuracy:
76/750 [=>.....] - ETA: 0s - loss: 0.5294 - accuracy:
0.8980 [====>.....] - ETA: 0s - loss: 0.5428 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5428 - accuracy:
0.8961 [====>.....] - ETA: 0s - loss: 0.5426 - accuracy:
225/750 [====>.....] - ETA: 0s - loss: 0.5426 - accuracy:
0.8966 [====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
300/750 [====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8949 [====>.....] - ETA: 0s - loss: 0.5505 - accuracy:
374/750 [====>.....] - ETA: 0s - loss: 0.5505 - accuracy:
0.8934 [====>.....] - ETA: 0s - loss: 0.5505 - accuracy:
449/750 [====>.....] - ETA: 0s - loss: 0.5505 - accuracy:

0.8939 [=====>.....] - ETA: 0s - loss: 0.5486 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.5486 - accuracy:
0.8945 [=====>.....] - ETA: 0s - loss: 0.5492 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5492 - accuracy:
0.8936 [=====>.....] - ETA: 0s - loss: 0.5501 - accuracy:
667/750 [=====>....] - ETA: 0s - loss: 0.5501 - accuracy:
0.8933 [=====>....] - ETA: 0s - loss: 0.5492 - accuracy:
740/750 [=====>.] - ETA: 0s - loss: 0.5492 - accuracy:
0.8939 [=====>.] - ETA: 0s - loss: 0.5486 - accuracy:
750/750 [=====] - 1s 828us/step - loss: 0.5486 - accuracy:
0.8940 - val_loss: 0.5951 - val_accuracy: 0.8777
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5440 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5440 - accuracy:
0.8972 [=>.....] - ETA: 0s - loss: 0.5512 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5512 - accuracy:
0.8917 [====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8923 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
0.8922 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5506 - accuracy:
0.8934 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
0.8938 [=====>.....] - ETA: 0s - loss: 0.5481 - accuracy:
517/750 [=====>.....] - ETA: 0s - loss: 0.5481 - accuracy:
0.8941 [=====>.....] - ETA: 0s - loss: 0.5479 - accuracy:
592/750 [=====>.....] - ETA: 0s - loss: 0.5479 - accuracy:
0.8941 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
665/750 [=====>....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8945 [=====>....] - ETA: 0s - loss: 0.5474 - accuracy:
738/750 [=====>.] - ETA: 0s - loss: 0.5474 - accuracy:
0.8937 [=====>.] - ETA: 0s - loss: 0.5476 - accuracy:
750/750 [=====] - 1s 829us/step - loss: 0.5476 - accuracy:
0.8937 - val_loss: 0.5958 - val_accuracy: 0.8772
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.6805 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5439 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.8960 [==>.....] - ETA: 0s - loss: 0.5382 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5382 - accuracy:
0.8950 [====>.....] - ETA: 0s - loss: 0.5385 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5385 - accuracy:
0.8954 [=====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8954 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy:

0.8956 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5432 - accuracy:
0.8956 [=====>.....] - ETA: 0s - loss: 0.5443 - accuracy:
516/750 [=====>.....] - ETA: 0s - loss: 0.5465 - accuracy:
0.8954 [=====>.....] - ETA: 0s - loss: 0.5465 - accuracy:
590/750 [=====>.....] - ETA: 0s - loss: 0.5467 - accuracy:
0.8951 [=====>.....] - ETA: 0s - loss: 0.5467 - accuracy:
666/750 [=====>.....] - ETA: 0s - loss: 0.5467 - accuracy:
0.8944 [=====>.....] - ETA: 0s - loss: 0.5467 - accuracy:
739/750 [=====>.....] - ETA: 0s - loss: 0.5467 - accuracy:
0.8941 [=====>.....] - ETA: 0s - loss: 0.5467 - accuracy:
750/750 [=====] - 1s 837us/step - loss: 0.5467 - accuracy:
0.8941 - val_loss: 0.5957 - val_accuracy: 0.8792
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.4475 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5326 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5352 - accuracy:
0.8976 [=====>.....] - ETA: 0s - loss: 0.5440 - accuracy:
141/750 [=====>.....] - ETA: 0s - loss: 0.5441 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.5448 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.5446 - accuracy:
0.8953 [=====>.....] - ETA: 0s - loss: 0.5452 - accuracy:
283/750 [=====>.....] - ETA: 0s - loss: 0.5453 - accuracy:
0.8944 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.5463 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
420/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8953 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
492/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8942 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
561/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
633/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8945 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
703/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.8942 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
750/750 [=====] - 1s 874us/step - loss: 0.5459 - accuracy:
0.8944 - val_loss: 0.5939 - val_accuracy: 0.8788
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.5874 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.5437 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.5454 - accuracy:
0.8958 [=====>.....] - ETA: 0s - loss: 0.5475 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.5475 - accuracy:
0.8948 [=====>.....] - ETA: 0s - loss: 0.5496 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.5496 - accuracy:
0.8940 [=====>.....] - ETA: 0s - loss: 0.5496 - accuracy:
281/750 [=====>.....] - ETA: 0s - loss: 0.5496 - accuracy:

0.8928 [.....] - ETA: 0s - loss: 0.5493 - accuracy: 0.8916
356/750 [=====>.....] - ETA: 0s - loss: 0.5488 - accuracy: 0.8919
426/750 [=====>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.8933
501/750 [=====>.....] - ETA: 0s - loss: 0.5462 - accuracy: 0.8937
576/750 [=====>.....] - ETA: 0s - loss: 0.5451 - accuracy: 0.8937
648/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.8937
723/750 [=====>..] - ETA: 0s - loss: 0.5453 - accuracy: 0.8938
750/750 [=====] - 1s 844us/step - loss: 0.5453 - accuracy: 0.8938 - val_loss: 0.5967 - val_accuracy: 0.8752
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.8281
76/750 [==>.....] - ETA: 0s - loss: 0.5527 - accuracy: 0.8869
151/750 [====>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.8918
225/750 [=====>.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.8935
296/750 [=====>.....] - ETA: 0s - loss: 0.5412 - accuracy: 0.8937
371/750 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.8945
447/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.8938
517/750 [=====>.....] - ETA: 0s - loss: 0.5437 - accuracy: 0.8939
589/750 [=====>.....] - ETA: 0s - loss: 0.5460 - accuracy: 0.8933
666/750 [=====>....] - ETA: 0s - loss: 0.5437 - accuracy: 0.8948
741/750 [=====>.] - ETA: 0s - loss: 0.5447 - accuracy: 0.8943
750/750 [=====] - 1s 826us/step - loss: 0.5443 - accuracy: 0.8946 - val_loss: 0.5936 - val_accuracy: 0.8762
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.5188 - accuracy: 0.9219
76/750 [==>.....] - ETA: 0s - loss: 0.5302 - accuracy: 0.9019
153/750 [====>.....] - ETA: 0s - loss: 0.5336 - accuracy: 0.8977
226/750 [=====>.....] - ETA: 0s - loss: 0.5311 - accuracy: 0.8977

0.8987 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.8986 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8987 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8963 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
523/750 [=====>.....] - ETA: 0s - loss: 0.5379 - accuracy:
0.8976 [=====>.....] - ETA: 0s - loss: 0.5379 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
0.8975 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8965 [=====>....] - ETA: 0s - loss: 0.5413 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 0.5433 - accuracy:
0.8957 [=====>.] - ETA: 0s - loss: 0.5433 - accuracy:
750/750 [=====] - 1s 826us/step - loss: 0.5433 - accuracy:
0.8955 - val_loss: 0.5983 - val_accuracy: 0.8724
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.5350 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5350 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5364 - accuracy:
0.8979 [==>.....] - ETA: 0s - loss: 0.5364 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.8970 [===>.....] - ETA: 0s - loss: 0.5413 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy:
296/750 [=====>.....] - ETA: 0s - loss: 0.5399 - accuracy:
0.8979 [=====>.....] - ETA: 0s - loss: 0.5399 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
0.8985 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
448/750 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
0.8986 [=====>.....] - ETA: 0s - loss: 0.5369 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5388 - accuracy:
0.8977 [=====>.....] - ETA: 0s - loss: 0.5388 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy:
0.8962 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy:
670/750 [=====>....] - ETA: 0s - loss: 0.5422 - accuracy:
0.8956 [=====>....] - ETA: 0s - loss: 0.5422 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.5425 - accuracy:
0.8957 [=====>.] - ETA: 0s - loss: 0.5425 - accuracy:
750/750 [=====] - 1s 832us/step - loss: 0.5424 - accuracy:
0.8956 - val_loss: 0.5926 - val_accuracy: 0.8767
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.4949 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.4949 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5244 - accuracy:
0.8994 [==>.....] - ETA: 0s - loss: 0.5244 - accuracy:
152/750 [===>.....] - ETA: 0s - loss: 0.5400 - accuracy:

0.8929 [=====>.....] - ETA: 0s - loss: 0.5392 - accuracy: 0.8938
301/750 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.8955
377/750 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.8943
450/750 [=====>.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.8947
524/750 [=====>.....] - ETA: 0s - loss: 0.5426 - accuracy: 0.8947
598/750 [=====>.....] - ETA: 0s - loss: 0.5423 - accuracy: 0.8954
670/750 [=====>....] - ETA: 0s - loss: 0.5411 - accuracy: 0.8958
744/750 [=====>.] - ETA: 0s - loss: 0.5421 - accuracy: 0.8950
750/750 [=====] - 1s 825us/step - loss: 0.5416 - accuracy: 0.8951 - val_loss: 0.5924 - val_accuracy: 0.8790
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.5442 - accuracy: 0.8906
77/750 [==>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.8981
150/750 [====>.....] - ETA: 0s - loss: 0.5463 - accuracy: 0.8935
226/750 [=====>.....] - ETA: 0s - loss: 0.5449 - accuracy: 0.8946
300/750 [=====>.....] - ETA: 0s - loss: 0.5426 - accuracy: 0.8963
375/750 [=====>.....] - ETA: 0s - loss: 0.5428 - accuracy: 0.8963
450/750 [=====>.....] - ETA: 0s - loss: 0.5418 - accuracy: 0.8966
524/750 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.8970
597/750 [=====>.....] - ETA: 0s - loss: 0.5409 - accuracy: 0.8961
671/750 [=====>....] - ETA: 0s - loss: 0.5404 - accuracy: 0.8963
745/750 [=====>.] - ETA: 0s - loss: 0.5412 - accuracy: 0.8959
750/750 [=====] - 1s 822us/step - loss: 0.5406 - accuracy: 0.8961 - val_loss: 0.5983 - val_accuracy: 0.8759
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.5367 - accuracy:

0.8936 [=====>.....] - ETA: 0s - loss: 0.5342 - accuracy: 0.8970
223/750 [=====>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8952
299/750 [=====>.....] - ETA: 0s - loss: 0.5393 - accuracy: 0.8954
373/750 [=====>.....] - ETA: 0s - loss: 0.5387 - accuracy: 0.8956
447/750 [=====>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.8960
519/750 [=====>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.8957
593/750 [=====>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8953
669/750 [=====>....] - ETA: 0s - loss: 0.5391 - accuracy: 0.8956
745/750 [=====>.] - ETA: 0s - loss: 0.5397 - accuracy: 0.8954
750/750 [=====] - 1s 826us/step - loss: 0.5399 - accuracy: 0.8953 - val_loss: 0.5897 - val_accuracy: 0.8779
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.4693 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.8976
147/750 [====>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.9003
221/750 [=====>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8988
295/750 [=====>.....] - ETA: 0s - loss: 0.5347 - accuracy: 0.8980
370/750 [=====>.....] - ETA: 0s - loss: 0.5354 - accuracy: 0.8976
443/750 [=====>.....] - ETA: 0s - loss: 0.5387 - accuracy: 0.8967
517/750 [=====>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.8959
592/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.8959
665/750 [=====>....] - ETA: 0s - loss: 0.5394 - accuracy: 0.8960
739/750 [=====>.] - ETA: 0s - loss: 0.5388 - accuracy: 0.8962
750/750 [=====] - 1s 828us/step - loss: 0.5390 - accuracy: 0.8963 - val_loss: 0.5920 - val_accuracy: 0.8772
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.6623 - accuracy:

0.9062 [.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.8949
73/750 [=>.....] - ETA: 0s - loss: 0.5456 - accuracy: 0.8926
146/750 [====>.....] - ETA: 0s - loss: 0.5449 - accuracy: 0.8942
221/750 [=====>.....] - ETA: 0s - loss: 0.5432 - accuracy: 0.8941
295/750 [=====>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.8952
369/750 [=====>.....] - ETA: 0s - loss: 0.5381 - accuracy: 0.8955
442/750 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.8959
517/750 [=====>.....] - ETA: 0s - loss: 0.5368 - accuracy: 0.8958
590/750 [=====>.....] - ETA: 0s - loss: 0.5377 - accuracy: 0.8956
665/750 [=====>....] - ETA: 0s - loss: 0.5384 - accuracy: 0.8954
738/750 [=====>.] - ETA: 0s - loss: 0.5385 - accuracy: 0.8954
750/750 [=====] - 1s 830us/step - loss: 0.5385 - accuracy: 0.8954 - val_loss: 0.5914 - val_accuracy: 0.8777
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.4739 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8967
148/750 [====>.....] - ETA: 0s - loss: 0.5347 - accuracy: 0.8983
224/750 [=====>.....] - ETA: 0s - loss: 0.5342 - accuracy: 0.8986
297/750 [=====>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.8977
372/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy: 0.8977
445/750 [=====>.....] - ETA: 0s - loss: 0.5331 - accuracy: 0.8976
519/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.8975
595/750 [=====>.....] - ETA: 0s - loss: 0.5359 - accuracy: 0.8969
667/750 [=====>....] - ETA: 0s - loss: 0.5358 - accuracy: 0.8971
741/750 [=====>.] - ETA: 0s - loss: 0.5368 - accuracy: 0.8969
750/750 [=====] - 1s 828us/step - loss: 0.5370 - accuracy: 0.8969 - val_loss: 0.5916 - val_accuracy: 0.8758
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.6564 - accuracy: 0.8438
75/750 [==>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8960
148/750 [====>.....] - ETA: 0s - loss: 0.5356 - accuracy: 0.8984
222/750 [=====>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.8980
296/750 [======>.....] - ETA: 0s - loss: 0.5322 - accuracy: 0.8979
366/750 [======>.....] - ETA: 0s - loss: 0.5308 - accuracy: 0.8992
440/750 [======>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.8980
513/750 [======>.....] - ETA: 0s - loss: 0.5334 - accuracy: 0.8973
586/750 [======>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.8968
661/750 [======>....] - ETA: 0s - loss: 0.5356 - accuracy: 0.8968
736/750 [======>.] - ETA: 0s - loss: 0.5362 - accuracy: 0.8970
750/750 [=====] - 1s 830us/step - loss: 0.5367 - accuracy: 0.8967 - val_loss: 0.5875 - val_accuracy: 0.8785
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.5464 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.5367 - accuracy: 0.9001
147/750 [====>.....] - ETA: 0s - loss: 0.5378 - accuracy: 0.8973
219/750 [=====>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8963
292/750 [======>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.8968
368/750 [======>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8962
438/750 [======>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.8968
509/750 [======>.....] - ETA: 0s - loss: 0.5375 - accuracy: 0.8964
585/750 [======>.....] - ETA: 0s - loss: 0.5375 - accuracy: 0.8965
659/750 [======>....] - ETA: 0s - loss: 0.5365 - accuracy: 0.8965
734/750 [======>.] - ETA: 0s - loss: 0.5359 - accuracy: 0.8971
750/750 [=====] - 1s 833us/step - loss: 0.5360 - accuracy:

0.8969 - val_loss: 0.5918 - val_accuracy: 0.8751
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.4560 - accuracy:
0.9219
76/750 [==>.....] - ETA: 0s - loss: 0.5261 - accuracy:
0.8995
150/750 [====>.....] - ETA: 0s - loss: 0.5330 - accuracy:
0.8992
221/750 [=====>.....] - ETA: 0s - loss: 0.5361 - accuracy:
0.8969
297/750 [======>.....] - ETA: 0s - loss: 0.5364 - accuracy:
0.8963
370/750 [======>.....] - ETA: 0s - loss: 0.5374 - accuracy:
0.8964
445/750 [======>.....] - ETA: 0s - loss: 0.5387 - accuracy:
0.8960
520/750 [======>.....] - ETA: 0s - loss: 0.5398 - accuracy:
0.8954
597/750 [======>.....] - ETA: 0s - loss: 0.5386 - accuracy:
0.8955
670/750 [======>....] - ETA: 0s - loss: 0.5383 - accuracy:
0.8953
742/750 [======>.] - ETA: 0s - loss: 0.5351 - accuracy:
0.8965
750/750 [=====] - 1s 828us/step - loss: 0.5350 - accuracy:
0.8967 - val_loss: 0.5926 - val_accuracy: 0.8772
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.5219 - accuracy:
0.9062
75/750 [==>.....] - ETA: 0s - loss: 0.5335 - accuracy:
0.8967
149/750 [====>.....] - ETA: 0s - loss: 0.5349 - accuracy:
0.8960
221/750 [=====>.....] - ETA: 0s - loss: 0.5359 - accuracy:
0.8965
295/750 [======>.....] - ETA: 0s - loss: 0.5352 - accuracy:
0.8967
370/750 [======>.....] - ETA: 0s - loss: 0.5369 - accuracy:
0.8960
444/750 [======>.....] - ETA: 0s - loss: 0.5381 - accuracy:
0.8958
520/750 [======>.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8968
594/750 [======>.....] - ETA: 0s - loss: 0.5360 - accuracy:
0.8959
668/750 [======>....] - ETA: 0s - loss: 0.5342 - accuracy:
0.8969
744/750 [======>.] - ETA: 0s - loss: 0.5337 - accuracy:

0.8970
750/750 [=====] - 1s 828us/step - loss: 0.5337 - accuracy:
0.8969 - val_loss: 0.5898 - val_accuracy: 0.8752
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.4333 - accuracy:
0.9375
76/750 [==>.....] - ETA: 0s - loss: 0.5291 - accuracy:
0.9005
148/750 [====>.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.9008
222/750 [=====>.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.8976
296/750 [======>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8981
368/750 [======>.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.8990
445/750 [======>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.8991
516/750 [======>.....] - ETA: 0s - loss: 0.5338 - accuracy:
0.8981
592/750 [======>.....] - ETA: 0s - loss: 0.5325 - accuracy:
0.8988
668/750 [======>....] - ETA: 0s - loss: 0.5329 - accuracy:
0.8982
740/750 [======>.] - ETA: 0s - loss: 0.5334 - accuracy:
0.8981
750/750 [=====] - 1s 829us/step - loss: 0.5333 - accuracy:
0.8981 - val_loss: 0.5877 - val_accuracy: 0.8768
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.5411 - accuracy:
0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.5317 - accuracy:
0.9021
150/750 [====>.....] - ETA: 0s - loss: 0.5250 - accuracy:
0.9008
223/750 [=====>.....] - ETA: 0s - loss: 0.5285 - accuracy:
0.8983
297/750 [======>.....] - ETA: 0s - loss: 0.5266 - accuracy:
0.8999
370/750 [======>.....] - ETA: 0s - loss: 0.5288 - accuracy:
0.8988
443/750 [======>.....] - ETA: 0s - loss: 0.5312 - accuracy:
0.8982
519/750 [======>.....] - ETA: 0s - loss: 0.5291 - accuracy:
0.8991
592/750 [======>.....] - ETA: 0s - loss: 0.5295 - accuracy:
0.8989
668/750 [======>....] - ETA: 0s - loss: 0.5313 - accuracy:

0.8983 [=====] - ETA: 0s - loss: 0.5322 - accuracy:
743/750 [=====>.] - ETA: 0s - loss: 0.5322 - accuracy:
0.8977 [=====] - ETA: 0s - loss: 0.5322 - accuracy:
750/750 [=====] - 1s 825us/step - loss: 0.5323 - accuracy:
0.8978 - val_loss: 0.5886 - val_accuracy: 0.8783
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.5723 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5723 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5140 - accuracy:
0.9005 [=>.....] - ETA: 0s - loss: 0.5140 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.8979 [====>.....] - ETA: 0s - loss: 0.5270 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.5264 - accuracy:
0.8996 [=====>.....] - ETA: 0s - loss: 0.5264 - accuracy:
291/750 [======>.....] - ETA: 0s - loss: 0.5289 - accuracy:
0.8991 [======>.....] - ETA: 0s - loss: 0.5289 - accuracy:
367/750 [======>.....] - ETA: 0s - loss: 0.5314 - accuracy:
0.8981 [======>.....] - ETA: 0s - loss: 0.5314 - accuracy:
441/750 [======>.....] - ETA: 0s - loss: 0.5316 - accuracy:
0.8982 [======>.....] - ETA: 0s - loss: 0.5316 - accuracy:
513/750 [======>.....] - ETA: 0s - loss: 0.5306 - accuracy:
0.8986 [======>.....] - ETA: 0s - loss: 0.5306 - accuracy:
589/750 [======>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.8988 [======>.....] - ETA: 0s - loss: 0.5302 - accuracy:
661/750 [======>....] - ETA: 0s - loss: 0.5312 - accuracy:
0.8983 [======>....] - ETA: 0s - loss: 0.5312 - accuracy:
735/750 [======>.] - ETA: 0s - loss: 0.5306 - accuracy:
0.8980 [======>.] - ETA: 0s - loss: 0.5306 - accuracy:
750/750 [=====] - 1s 830us/step - loss: 0.5313 - accuracy:
0.8978 - val_loss: 0.5935 - val_accuracy: 0.8764
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.6796 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6796 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5410 - accuracy:
0.8917 [=>.....] - ETA: 0s - loss: 0.5410 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.5430 - accuracy:
0.8936 [====>.....] - ETA: 0s - loss: 0.5430 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8967 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy:
298/750 [======>.....] - ETA: 0s - loss: 0.5375 - accuracy:
0.8951 [======>.....] - ETA: 0s - loss: 0.5375 - accuracy:
372/750 [======>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.8950 [======>.....] - ETA: 0s - loss: 0.5372 - accuracy:
445/750 [======>.....] - ETA: 0s - loss: 0.5373 - accuracy:
0.8959 [======>.....] - ETA: 0s - loss: 0.5373 - accuracy:
520/750 [======>.....] - ETA: 0s - loss: 0.5332 - accuracy:
0.8974 [======>.....] - ETA: 0s - loss: 0.5332 - accuracy:
594/750 [======>.....] - ETA: 0s - loss: 0.5344 - accuracy:

0.8970 [=====>....] - ETA: 0s - loss: 0.5312 - accuracy:
0.8976 [=====>....] - ETA: 0s - loss: 0.5308 - accuracy:
742/750 [=====>.] - ETA: 0s - loss: 0.5308 - accuracy:
0.8974 [=====] - 1s 837us/step - loss: 0.5308 - accuracy:
0.8974 - val_loss: 0.5846 - val_accuracy: 0.8780
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.5115 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5427 - accuracy:
0.8944 [====>.....] - ETA: 0s - loss: 0.5269 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5312 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy:
0.8964 [=====>.....] - ETA: 0s - loss: 0.5328 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5324 - accuracy:
0.8966 [=====>.....] - ETA: 0s - loss: 0.5324 - accuracy:
444/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.8972 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
520/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.8962 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
594/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.8965 [=====>....] - ETA: 0s - loss: 0.5324 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5324 - accuracy:
0.8967 [=====>....] - ETA: 0s - loss: 0.5301 - accuracy:
744/750 [=====>.] - ETA: 0s - loss: 0.5301 - accuracy:
0.8973 [=====>.] - 1s 826us/step - loss: 0.5301 - accuracy:
0.8972 - val_loss: 0.5862 - val_accuracy: 0.8767
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.4639 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5206 - accuracy:
0.9010 [====>.....] - ETA: 0s - loss: 0.5273 - accuracy:
153/750 [====>.....] - ETA: 0s - loss: 0.5284 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.5299 - accuracy:
227/750 [=====>.....] - ETA: 0s - loss: 0.5292 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
303/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.8991 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
374/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
449/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.8980 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:
522/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy:

0.8980 [=====>.....] - ETA: 0s - loss: 0.5297 - accuracy:
593/750 [=====>.....] - ETA: 0s - loss: 0.5297 - accuracy:
0.8980 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
665/750 [=====>....] - ETA: 0s - loss: 0.5302 - accuracy:
0.8979 [=====>.] - ETA: 0s - loss: 0.5294 - accuracy:
738/750 [=====>.] - ETA: 0s - loss: 0.5294 - accuracy:
0.8981 [=====] - 1s 834us/step - loss: 0.5292 - accuracy:
750/750 [=====] - 1s 834us/step - loss: 0.5292 - accuracy:
0.8983 - val_loss: 0.5849 - val_accuracy: 0.8769
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.6365 - accuracy:
0.8438 [==>.....] - ETA: 0s - loss: 0.5495 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5495 - accuracy:
0.8915 [===>.....] - ETA: 0s - loss: 0.5357 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.8963 [=====>.....] - ETA: 0s - loss: 0.5282 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5282 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
295/750 [=====>.....] - ETA: 0s - loss: 0.5240 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
0.8996 [=====>.....] - ETA: 0s - loss: 0.5242 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5242 - accuracy:
0.8995 [=====>.....] - ETA: 0s - loss: 0.5249 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.5249 - accuracy:
0.8994 [=====>.....] - ETA: 0s - loss: 0.5258 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.5258 - accuracy:
0.8986 [=====>.....] - ETA: 0s - loss: 0.5273 - accuracy:
668/750 [=====>....] - ETA: 0s - loss: 0.5273 - accuracy:
0.8980 [=====>.] - ETA: 0s - loss: 0.5281 - accuracy:
739/750 [=====>.] - ETA: 0s - loss: 0.5281 - accuracy:
0.8980 [=====>.] - 1s 834us/step - loss: 0.5282 - accuracy:
750/750 [=====>.] - 1s 834us/step - loss: 0.5282 - accuracy:
0.8979 - val_loss: 0.5872 - val_accuracy: 0.8758
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.4455 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5208 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5208 - accuracy:
0.8999 [===>.....] - ETA: 0s - loss: 0.5269 - accuracy:
147/750 [===>.....] - ETA: 0s - loss: 0.5269 - accuracy:
0.8965 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
222/750 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.8956 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.5253 - accuracy:
370/750 [=====>.....] - ETA: 0s - loss: 0.5253 - accuracy:
0.8983 [=====>.....] - ETA: 0s - loss: 0.5260 - accuracy:
447/750 [=====>.....] - ETA: 0s - loss: 0.5260 - accuracy:

0.8980 [=====>.....] - ETA: 0s - loss: 0.5270 - accuracy:
0.8980 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:
0.8975 [=====>....] - ETA: 0s - loss: 0.5274 - accuracy:
0.8982 [=====>.] - ETA: 0s - loss: 0.5280 - accuracy:
0.8980 [=====] - 1s 822us/step - loss: 0.5278 - accuracy:
0.8982 - val_loss: 0.5819 - val_accuracy: 0.8793
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.4263 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5318 - accuracy:
0.8959 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8992 [=====>.....] - ETA: 0s - loss: 0.5197 - accuracy:
0.9012 [=====>.....] - ETA: 0s - loss: 0.5206 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.5209 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy:
0.8995 [=====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
0.8992 [=====>.....] - ETA: 0s - loss: 0.5266 - accuracy:
0.8992 [=====>.....] - ETA: 0s - loss: 0.5265 - accuracy:
0.8990 [=====>....] - ETA: 0s - loss: 0.5266 - accuracy:
0.8991 [=====>.] - ETA: 0s - loss: 0.5267 - accuracy:
0.8991 [=====] - 1s 829us/step - loss: 0.5267 - accuracy:
0.8991 - val_loss: 0.5833 - val_accuracy: 0.8785
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.5147 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.5176 - accuracy:
0.9029 [=====>.....] - ETA: 0s - loss: 0.5205 - accuracy:
0.8998 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy:
0.8995 [=====>.....] - ETA: 0s - loss: 0.5244 - accuracy:
0.8990 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy:

0.8985 [=====>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.8999
522/750 [=====>.....] - ETA: 0s - loss: 0.5231 - accuracy: 0.8988
597/750 [=====>.....] - ETA: 0s - loss: 0.5231 - accuracy: 0.8987
673/750 [=====>....] - ETA: 0s - loss: 0.5234 - accuracy: 0.8990
748/750 [=====>.] - ETA: 0s - loss: 0.5257 - accuracy: 0.8982
750/750 [=====] - 1s 822us/step - loss: 0.5257 - accuracy: 0.8982 - val_loss: 0.5862 - val_accuracy: 0.8763
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.5822 - accuracy: 0.8750
76/750 [==>.....] - ETA: 0s - loss: 0.5159 - accuracy: 0.9060
152/750 [====>.....] - ETA: 0s - loss: 0.5310 - accuracy: 0.8999
224/750 [=====>.....] - ETA: 0s - loss: 0.5307 - accuracy: 0.8996
296/750 [=====>.....] - ETA: 0s - loss: 0.5277 - accuracy: 0.8997
371/750 [=====>.....] - ETA: 0s - loss: 0.5238 - accuracy: 0.9007
443/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.9009
514/750 [=====>.....] - ETA: 0s - loss: 0.5250 - accuracy: 0.9002
583/750 [=====>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.9001
654/750 [=====>....] - ETA: 0s - loss: 0.5257 - accuracy: 0.8997
730/750 [=====>.] - ETA: 0s - loss: 0.5255 - accuracy: 0.8995
750/750 [=====] - 1s 834us/step - loss: 0.5254 - accuracy: 0.8994 - val_loss: 0.5846 - val_accuracy: 0.8772
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.5304 - accuracy: 0.8931
150/750 [====>.....] - ETA: 0s - loss: 0.5294 - accuracy: 0.8954
226/750 [=====>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.8972
299/750 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:

0.8985
374/750 [=====>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.8976
450/750 [=====>.....] - ETA: 0s - loss: 0.5242 - accuracy: 0.8986
525/750 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy: 0.8983
600/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy: 0.8993
675/750 [=====>...] - ETA: 0s - loss: 0.5229 - accuracy: 0.8994
747/750 [=====>.] - ETA: 0s - loss: 0.5252 - accuracy: 0.8986
750/750 [=====] - 1s 825us/step - loss: 0.5249 - accuracy: 0.8987 - val_loss: 0.5814 - val_accuracy: 0.8788
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.5126 - accuracy: 0.8989
150/750 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy: 0.8983
225/750 [=====>.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.9005
301/750 [=====>.....] - ETA: 0s - loss: 0.5205 - accuracy: 0.9008
371/750 [=====>.....] - ETA: 0s - loss: 0.5194 - accuracy: 0.9019
442/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.9025
511/750 [=====>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.9014
580/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.9006
653/750 [=====>...] - ETA: 0s - loss: 0.5225 - accuracy: 0.9009
730/750 [=====>.] - ETA: 0s - loss: 0.5235 - accuracy: 0.9004
750/750 [=====] - 1s 836us/step - loss: 0.5234 - accuracy: 0.9004 - val_loss: 0.5804 - val_accuracy: 0.8793
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.7482 - accuracy: 0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.8951
148/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy: 0.8941
225/750 [=====>.....] - ETA: 0s - loss: 0.5282 - accuracy:

0.8963 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy:
299/750 [=====>.....] - ETA: 0s - loss: 0.5227 - accuracy:
0.8976 [=====>.....] - ETA: 0s - loss: 0.5246 - accuracy:
372/750 [=====>.....] - ETA: 0s - loss: 0.5248 - accuracy:
0.8992 [=====>.....] - ETA: 0s - loss: 0.5236 - accuracy:
446/750 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy:
519/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
0.8984 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
595/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
0.8986 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
668/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
743/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
0.9000 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy:
750/750 [=====>.....] - 1s 826us/step - loss: 0.5225 - accuracy:
0.9000 - val_loss: 0.5859 - val_accuracy: 0.8786
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.5536 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5385 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.5359 - accuracy:
0.8929 [==>.....] - ETA: 0s - loss: 0.5291 - accuracy:
147/750 [==>.....] - ETA: 0s - loss: 0.5246 - accuracy:
0.8933 [==>.....] - ETA: 0s - loss: 0.5244 - accuracy:
221/750 [==>.....] - ETA: 0s - loss: 0.5247 - accuracy:
0.8956 [==>.....] - ETA: 0s - loss: 0.5236 - accuracy:
296/750 [==>.....] - ETA: 0s - loss: 0.5229 - accuracy:
0.8974 [==>.....] - ETA: 0s - loss: 0.5221 - accuracy:
368/750 [==>.....] - ETA: 0s - loss: 0.5220 - accuracy:
0.8980 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
442/750 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
0.8981 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
517/750 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
0.8990 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
592/750 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
0.8993 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
667/750 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
0.8993 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
741/750 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
0.8996 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy:
750/750 [==>.....] - 1s 826us/step - loss: 0.5218 - accuracy:
0.8997 - val_loss: 0.5797 - val_accuracy: 0.8776
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.4861 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.5208 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5220 - accuracy:
0.9056 [==>.....] - ETA: 0s - loss: 0.5220 - accuracy:
149/750 [==>.....] - ETA: 0s - loss: 0.5220 - accuracy:

0.9024 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy:
223/750 [=====>.....] - ETA: 0s - loss: 0.5234 - accuracy:
0.9002 [=====>.....] - ETA: 0s - loss: 0.5210 - accuracy:
297/750 [=====>.....] - ETA: 0s - loss: 0.5210 - accuracy:
0.9018 [=====>.....] - ETA: 0s - loss: 0.5249 - accuracy:
373/750 [=====>.....] - ETA: 0s - loss: 0.5249 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.5237 - accuracy:
445/750 [=====>.....] - ETA: 0s - loss: 0.5237 - accuracy:
0.9004 [=====>.....] - ETA: 0s - loss: 0.5207 - accuracy:
521/750 [=====>.....] - ETA: 0s - loss: 0.5207 - accuracy:
0.9013 [=====>.....] - ETA: 0s - loss: 0.5214 - accuracy:
596/750 [=====>.....] - ETA: 0s - loss: 0.5214 - accuracy:
0.9008 [=====>.....] - ETA: 0s - loss: 0.5206 - accuracy:
669/750 [=====>....] - ETA: 0s - loss: 0.5206 - accuracy:
0.9005 [=====>....] - ETA: 0s - loss: 0.5212 - accuracy:
747/750 [=====>.] - ETA: 0s - loss: 0.5212 - accuracy:
0.8998 [=====] - 1s 824us/step - loss: 0.5213 - accuracy:
750/750 [=====] - 1s 824us/step - loss: 0.5213 - accuracy:
0.8998 - val_loss: 0.5797 - val_accuracy: 0.8790
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.5072 - accuracy:
0.9062 [==>.....] - ETA: 0s - loss: 0.5131 - accuracy:
77/750 [==>.....] - ETA: 0s - loss: 0.5131 - accuracy:
0.8969 [====>.....] - ETA: 0s - loss: 0.5137 - accuracy:
150/750 [====>.....] - ETA: 0s - loss: 0.5137 - accuracy:
0.8985 [====>.....] - ETA: 0s - loss: 0.5148 - accuracy:
226/750 [====>.....] - ETA: 0s - loss: 0.5148 - accuracy:
0.8998 [====>.....] - ETA: 0s - loss: 0.5182 - accuracy:
297/750 [====>.....] - ETA: 0s - loss: 0.5182 - accuracy:
0.8990 [====>.....] - ETA: 0s - loss: 0.5198 - accuracy:
373/750 [====>.....] - ETA: 0s - loss: 0.5198 - accuracy:
0.8997 [====>.....] - ETA: 0s - loss: 0.5207 - accuracy:
448/750 [====>.....] - ETA: 0s - loss: 0.5207 - accuracy:
0.9001 [====>.....] - ETA: 0s - loss: 0.5212 - accuracy:
523/750 [====>.....] - ETA: 0s - loss: 0.5212 - accuracy:
0.9003 [====>.....] - ETA: 0s - loss: 0.5202 - accuracy:
597/750 [====>.....] - ETA: 0s - loss: 0.5202 - accuracy:
0.9005 [====>.....] - ETA: 0s - loss: 0.5203 - accuracy:
672/750 [====>....] - ETA: 0s - loss: 0.5203 - accuracy:
0.9003 [====>....] - ETA: 0s - loss: 0.5205 - accuracy:
742/750 [====>.] - ETA: 0s - loss: 0.5205 - accuracy:
0.8998 [====>.] - 1s 824us/step - loss: 0.5204 - accuracy:
750/750 [====>.] - 1s 824us/step - loss: 0.5204 - accuracy:
0.9000 - val_loss: 0.5799 - val_accuracy: 0.8767
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.5354 - accuracy:
0.8906 [==>.....] - ETA: 0s - loss: 0.5072 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.5072 - accuracy:

```

0.9046
151/750 [====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
0.9000
225/750 [=====>.....] - ETA: 0s - loss: 0.5195 - accuracy:
0.9003
300/750 [=====>.....] - ETA: 0s - loss: 0.5194 - accuracy:
0.8998
376/750 [=====>.....] - ETA: 0s - loss: 0.5186 - accuracy:
0.8999
451/750 [=====>.....] - ETA: 0s - loss: 0.5201 - accuracy:
0.8991
526/750 [=====>.....] - ETA: 0s - loss: 0.5204 - accuracy:
0.8994
600/750 [=====>.....] - ETA: 0s - loss: 0.5208 - accuracy:
0.8993
675/750 [=====>...] - ETA: 0s - loss: 0.5210 - accuracy:
0.8993
750/750 [=====>] - 1s 821us/step - loss: 0.5200 - accuracy:
0.9001 - val_loss: 0.5786 - val_accuracy: 0.8785

1/313 [.....] - ETA: 3s - loss: 0.7354 - accuracy:
0.8438
108/313 [=====>.....] - ETA: 0s - loss: 0.6116 - accuracy:
0.8663
214/313 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy:
0.8671
313/313 [=====>] - 0s 481us/step - loss: 0.6080 - accuracy:
0.8683
Testing loss: 0.6079840064048767
Testing accuracy: 86.83000206947327%

```

Running for Model 11/12

Model: "sequential_11"

Layer (type)	Output Shape	Param #
=====		
input_layer (Dense)	(None, 40)	31400
hidden1 (Dense)	(None, 40)	1640
hidden2 (Dense)	(None, 40)	1640
hidden3 (Dense)	(None, 40)	1640
hidden4 (Dense)	(None, 40)	1640
hidden5 (Dense)	(None, 40)	1640
output_layer (Dense)	(None, 10)	410

```
=====
Total params: 40,010
Trainable params: 40,010
Non-trainable params: 0
=====
```

```
Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and
L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 40,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
40, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 40,
'activation_function': 'relu'}, {'name': 'hidden5', 'size': 40,
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}]
Epoch 1/220
```

```
1/750 [.....] - ETA: 2:20 - loss: 2.6000 - accuracy:
0.1250
77/750 [==>.....] - ETA: 0s - loss: 2.6074 - accuracy: 0.0994
156/750 [====>.....] - ETA: 0s - loss: 2.6049 - accuracy:
0.0993
224/750 [=====>.....] - ETA: 0s - loss: 2.6028 - accuracy:
0.0997
311/750 [======>.....] - ETA: 0s - loss: 2.6010 - accuracy:
0.0997
396/750 [======>.....] - ETA: 0s - loss: 2.5990 - accuracy:
0.1004
486/750 [======>.....] - ETA: 0s - loss: 2.5966 - accuracy:
0.1017
570/750 [======>.....] - ETA: 0s - loss: 2.5950 - accuracy:
0.1013
653/750 [======>....] - ETA: 0s - loss: 2.5933 - accuracy:
0.1014
740/750 [======>.] - ETA: 0s - loss: 2.5915 - accuracy:
0.1010
750/750 [=====] - 1s 860us/step - loss: 2.5913 - accuracy:
0.1012 - val_loss: 2.5755 - val_accuracy: 0.1051
Epoch 2/220
```

```
1/750 [.....] - ETA: 0s - loss: 2.5923 - accuracy:
0.0781
83/750 [==>.....] - ETA: 0s - loss: 2.5721 - accuracy:
0.1109
164/750 [====>.....] - ETA: 0s - loss: 2.5718 - accuracy:
0.1070
246/750 [=====>.....] - ETA: 0s - loss: 2.5705 - accuracy:
0.1054
```


328/750 [=====>.....] - ETA: 0s - loss: 2.5687 - accuracy: 0.1061
412/750 [=====>.....] - ETA: 0s - loss: 2.5666 - accuracy: 0.1084
494/750 [=====>.....] - ETA: 0s - loss: 2.5646 - accuracy: 0.1099
582/750 [=====>.....] - ETA: 0s - loss: 2.5626 - accuracy: 0.1110
666/750 [=====>....] - ETA: 0s - loss: 2.5604 - accuracy: 0.1141
750/750 [=====] - ETA: 0s - loss: 2.5576 - accuracy: 0.1170
750/750 [=====] - 1s 740us/step - loss: 2.5576 - accuracy: 0.1170 - val_loss: 2.5343 - val_accuracy: 0.1413
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.5149 - accuracy: 0.1562
87/750 [==>.....] - ETA: 0s - loss: 2.5303 - accuracy: 0.1494
172/750 [====>.....] - ETA: 0s - loss: 2.5269 - accuracy: 0.1529
255/750 [=====>.....] - ETA: 0s - loss: 2.5238 - accuracy: 0.1538
341/750 [=====>.....] - ETA: 0s - loss: 2.5203 - accuracy: 0.1544
427/750 [=====>.....] - ETA: 0s - loss: 2.5159 - accuracy: 0.1593
510/750 [=====>.....] - ETA: 0s - loss: 2.5122 - accuracy: 0.1632
596/750 [=====>.....] - ETA: 0s - loss: 2.5078 - accuracy: 0.1660
679/750 [=====>....] - ETA: 0s - loss: 2.5042 - accuracy: 0.1692
750/750 [=====] - 1s 728us/step - loss: 2.5007 - accuracy: 0.1715 - val_loss: 2.4594 - val_accuracy: 0.2065
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 2.5336 - accuracy: 0.0625
80/750 [==>.....] - ETA: 0s - loss: 2.4557 - accuracy: 0.2086
165/750 [====>.....] - ETA: 0s - loss: 2.4490 - accuracy: 0.2087
241/750 [=====>.....] - ETA: 0s - loss: 2.4434 - accuracy: 0.2105
328/750 [=====>.....] - ETA: 0s - loss: 2.4363 - accuracy: 0.2157
416/750 [=====>.....] - ETA: 0s - loss: 2.4308 - accuracy: 0.2183

501/750 [=====>.....] - ETA: 0s - loss: 2.4249 - accuracy: 0.2219
589/750 [=====>.....] - ETA: 0s - loss: 2.4185 - accuracy: 0.2263
674/750 [=====>....] - ETA: 0s - loss: 2.4129 - accuracy: 0.2289
750/750 [=====] - 1s 726us/step - loss: 2.4071 - accuracy: 0.2331 - val_loss: 2.3460 - val_accuracy: 0.2701
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 2.3654 - accuracy: 0.3125
86/750 [==>.....] - ETA: 0s - loss: 2.3380 - accuracy: 0.2716
173/750 [====>.....] - ETA: 0s - loss: 2.3256 - accuracy: 0.2786
260/750 [=====>.....] - ETA: 0s - loss: 2.3225 - accuracy: 0.2810
347/750 [=====>.....] - ETA: 0s - loss: 2.3136 - accuracy: 0.2864
437/750 [=====>.....] - ETA: 0s - loss: 2.3036 - accuracy: 0.2917
521/750 [=====>.....] - ETA: 0s - loss: 2.2970 - accuracy: 0.3041
609/750 [=====>.....] - ETA: 0s - loss: 2.2895 - accuracy: 0.3150
694/750 [=====>...] - ETA: 0s - loss: 2.2803 - accuracy: 0.3248
750/750 [=====] - 1s 717us/step - loss: 2.2761 - accuracy: 0.3296 - val_loss: 2.2064 - val_accuracy: 0.3917
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 2.1687 - accuracy: 0.4062
85/750 [==>.....] - ETA: 0s - loss: 2.2032 - accuracy: 0.3956
173/750 [====>.....] - ETA: 0s - loss: 2.1923 - accuracy: 0.4026
257/750 [=====>.....] - ETA: 0s - loss: 2.1831 - accuracy: 0.4013
341/750 [=====>.....] - ETA: 0s - loss: 2.1766 - accuracy: 0.4027
427/750 [=====>.....] - ETA: 0s - loss: 2.1690 - accuracy: 0.4039
511/750 [=====>.....] - ETA: 0s - loss: 2.1594 - accuracy: 0.4038
596/750 [=====>.....] - ETA: 0s - loss: 2.1529 - accuracy: 0.4019
682/750 [=====>...] - ETA: 0s - loss: 2.1449 - accuracy: 0.4013

750/750 [=====] - 1s 726us/step - loss: 2.1383 - accuracy:
0.4019 - val_loss: 2.0724 - val_accuracy: 0.3932
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 2.0679 - accuracy:
0.4531
84/750 [==>.....] - ETA: 0s - loss: 2.0716 - accuracy:
0.3996
170/750 [=====>.....] - ETA: 0s - loss: 2.0557 - accuracy:
0.4018
255/750 [=====>.....] - ETA: 0s - loss: 2.0453 - accuracy:
0.4018
340/750 [======>.....] - ETA: 0s - loss: 2.0399 - accuracy:
0.3998
425/750 [======>.....] - ETA: 0s - loss: 2.0313 - accuracy:
0.4001
510/750 [======>.....] - ETA: 0s - loss: 2.0246 - accuracy:
0.3993
596/750 [======>.....] - ETA: 0s - loss: 2.0166 - accuracy:
0.3988
678/750 [======>...] - ETA: 0s - loss: 2.0076 - accuracy:
0.4005
750/750 [=====] - 1s 730us/step - loss: 2.0021 - accuracy:
0.4009 - val_loss: 1.9336 - val_accuracy: 0.3997
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 2.0623 - accuracy:
0.4062
85/750 [==>.....] - ETA: 0s - loss: 1.9213 - accuracy:
0.4072
171/750 [=====>.....] - ETA: 0s - loss: 1.9117 - accuracy:
0.4096
254/750 [=====>.....] - ETA: 0s - loss: 1.9055 - accuracy:
0.4113
337/750 [======>.....] - ETA: 0s - loss: 1.9019 - accuracy:
0.4103
423/750 [======>.....] - ETA: 0s - loss: 1.8947 - accuracy:
0.4126
507/750 [======>.....] - ETA: 0s - loss: 1.8869 - accuracy:
0.4154
592/750 [======>.....] - ETA: 0s - loss: 1.8768 - accuracy:
0.4197
675/750 [======>...] - ETA: 0s - loss: 1.8675 - accuracy:
0.4219
750/750 [=====] - 1s 728us/step - loss: 1.8607 - accuracy:
0.4232 - val_loss: 1.7884 - val_accuracy: 0.4364
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 1.6772 - accuracy:
0.4844

85/750 [==>.....] - ETA: 0s - loss: 1.7716 - accuracy: 0.4634
171/750 [=====>.....] - ETA: 0s - loss: 1.7667 - accuracy: 0.4577
255/750 [=====>.....] - ETA: 0s - loss: 1.7525 - accuracy: 0.4591
340/750 [======>.....] - ETA: 0s - loss: 1.7485 - accuracy: 0.4610
425/750 [======>.....] - ETA: 0s - loss: 1.7380 - accuracy: 0.4638
509/750 [======>.....] - ETA: 0s - loss: 1.7312 - accuracy: 0.4654
593/750 [======>.....] - ETA: 0s - loss: 1.7251 - accuracy: 0.4681
677/750 [======>...] - ETA: 0s - loss: 1.7177 - accuracy: 0.4711
750/750 [=====] - 1s 736us/step - loss: 1.7101 - accuracy: 0.4739 - val_loss: 1.6298 - val_accuracy: 0.5069
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 1.7477 - accuracy: 0.4688
83/750 [==>.....] - ETA: 0s - loss: 1.6081 - accuracy: 0.5286
170/750 [=====>.....] - ETA: 0s - loss: 1.6014 - accuracy: 0.5405
254/750 [=====>.....] - ETA: 0s - loss: 1.5957 - accuracy: 0.5552
337/750 [======>.....] - ETA: 0s - loss: 1.5868 - accuracy: 0.5634
423/750 [======>.....] - ETA: 0s - loss: 1.5822 - accuracy: 0.5704
506/750 [======>.....] - ETA: 0s - loss: 1.5742 - accuracy: 0.5780
591/750 [======>.....] - ETA: 0s - loss: 1.5651 - accuracy: 0.5852
678/750 [======>...] - ETA: 0s - loss: 1.5547 - accuracy: 0.5908
750/750 [=====] - 1s 728us/step - loss: 1.5458 - accuracy: 0.5966 - val_loss: 1.4579 - val_accuracy: 0.6380
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 1.5750 - accuracy: 0.6562
84/750 [==>.....] - ETA: 0s - loss: 1.4537 - accuracy: 0.6421
171/750 [=====>.....] - ETA: 0s - loss: 1.4429 - accuracy: 0.6459
251/750 [=====>.....] - ETA: 0s - loss: 1.4297 - accuracy: 0.6492

335/750 [=====>.....] - ETA: 0s - loss: 1.4157 - accuracy: 0.6534
419/750 [=====>.....] - ETA: 0s - loss: 1.4075 - accuracy: 0.6532
499/750 [=====>.....] - ETA: 0s - loss: 1.3978 - accuracy: 0.6534
582/750 [=====>.....] - ETA: 0s - loss: 1.3848 - accuracy: 0.6552
666/750 [=====>....] - ETA: 0s - loss: 1.3752 - accuracy: 0.6563
750/750 [=====] - 1s 737us/step - loss: 1.3654 - accuracy: 0.6578 - val_loss: 1.2817 - val_accuracy: 0.6667
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 1.1870 - accuracy: 0.7188
84/750 [==>.....] - ETA: 0s - loss: 1.2800 - accuracy: 0.6728
171/750 [====>.....] - ETA: 0s - loss: 1.2645 - accuracy: 0.6795
249/750 [=====>.....] - ETA: 0s - loss: 1.2577 - accuracy: 0.6775
329/750 [=====>.....] - ETA: 0s - loss: 1.2524 - accuracy: 0.6784
410/750 [=====>.....] - ETA: 0s - loss: 1.2427 - accuracy: 0.6810
493/750 [=====>.....] - ETA: 0s - loss: 1.2360 - accuracy: 0.6827
581/750 [=====>.....] - ETA: 0s - loss: 1.2266 - accuracy: 0.6845
663/750 [=====>....] - ETA: 0s - loss: 1.2197 - accuracy: 0.6851
749/750 [=====>.] - ETA: 0s - loss: 1.2123 - accuracy: 0.6869
750/750 [=====] - 1s 737us/step - loss: 1.2124 - accuracy: 0.6867 - val_loss: 1.1536 - val_accuracy: 0.6974
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 1.1978 - accuracy: 0.6875
85/750 [==>.....] - ETA: 0s - loss: 1.1601 - accuracy: 0.6912
170/750 [====>.....] - ETA: 0s - loss: 1.1487 - accuracy: 0.6991
254/750 [=====>.....] - ETA: 0s - loss: 1.1434 - accuracy: 0.7013
337/750 [=====>.....] - ETA: 0s - loss: 1.1358 - accuracy: 0.7047
419/750 [=====>.....] - ETA: 0s - loss: 1.1292 - accuracy: 0.7068

502/750 [=====>.....] - ETA: 0s - loss: 1.1206 - accuracy:
0.7100
589/750 [=====>.....] - ETA: 0s - loss: 1.1155 - accuracy:
0.7113
674/750 [=====>....] - ETA: 0s - loss: 1.1122 - accuracy:
0.7111
750/750 [=====] - 1s 732us/step - loss: 1.1088 - accuracy:
0.7119 - val_loss: 1.0715 - val_accuracy: 0.7170
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.9461 - accuracy:
0.7969
85/750 [==>.....] - ETA: 0s - loss: 1.0737 - accuracy:
0.7222
168/750 [====>.....] - ETA: 0s - loss: 1.0702 - accuracy:
0.7238
253/750 [=====>.....] - ETA: 0s - loss: 1.0688 - accuracy:
0.7220
338/750 [=====>.....] - ETA: 0s - loss: 1.0617 - accuracy:
0.7261
422/750 [=====>.....] - ETA: 0s - loss: 1.0573 - accuracy:
0.7281
508/750 [=====>.....] - ETA: 0s - loss: 1.0554 - accuracy:
0.7272
595/750 [=====>.....] - ETA: 0s - loss: 1.0494 - accuracy:
0.7292
678/750 [=====>...] - ETA: 0s - loss: 1.0454 - accuracy:
0.7299
750/750 [=====] - 1s 725us/step - loss: 1.0440 - accuracy:
0.7297 - val_loss: 1.0210 - val_accuracy: 0.7337
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.9503 - accuracy:
0.8281
87/750 [==>.....] - ETA: 0s - loss: 1.0062 - accuracy:
0.7432
171/750 [====>.....] - ETA: 0s - loss: 1.0134 - accuracy:
0.7399
254/750 [=====>.....] - ETA: 0s - loss: 1.0101 - accuracy:
0.7440
340/750 [=====>.....] - ETA: 0s - loss: 1.0068 - accuracy:
0.7441
425/750 [=====>.....] - ETA: 0s - loss: 1.0094 - accuracy:
0.7417
511/750 [=====>.....] - ETA: 0s - loss: 1.0062 - accuracy:
0.7430
600/750 [=====>.....] - ETA: 0s - loss: 1.0024 - accuracy:
0.7440
684/750 [=====>...] - ETA: 0s - loss: 1.0032 - accuracy:
0.7439

750/750 [=====] - 1s 717us/step - loss: 1.0012 - accuracy:
0.7449 - val_loss: 0.9842 - val_accuracy: 0.7452
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 1.0919 - accuracy:
0.7500
88/750 [==>.....] - ETA: 0s - loss: 0.9840 - accuracy:
0.7555
174/750 [=====>.....] - ETA: 0s - loss: 0.9855 - accuracy:
0.7513
259/750 [=====>.....] - ETA: 0s - loss: 0.9804 - accuracy:
0.7543
347/750 [======>.....] - ETA: 0s - loss: 0.9801 - accuracy:
0.7526
434/750 [======>.....] - ETA: 0s - loss: 0.9820 - accuracy:
0.7510
520/750 [======>.....] - ETA: 0s - loss: 0.9754 - accuracy:
0.7531
610/750 [======>.....] - ETA: 0s - loss: 0.9725 - accuracy:
0.7538
697/750 [======>...] - ETA: 0s - loss: 0.9701 - accuracy:
0.7559
750/750 [=====] - 1s 712us/step - loss: 0.9703 - accuracy:
0.7558 - val_loss: 0.9578 - val_accuracy: 0.7551
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 1.1811 - accuracy:
0.6562
86/750 [==>.....] - ETA: 0s - loss: 0.9772 - accuracy:
0.7522
173/750 [=====>.....] - ETA: 0s - loss: 0.9658 - accuracy:
0.7556
256/750 [=====>.....] - ETA: 0s - loss: 0.9553 - accuracy:
0.7632
342/750 [======>.....] - ETA: 0s - loss: 0.9502 - accuracy:
0.7640
427/750 [======>.....] - ETA: 0s - loss: 0.9501 - accuracy:
0.7648
514/750 [======>.....] - ETA: 0s - loss: 0.9482 - accuracy:
0.7661
600/750 [======>.....] - ETA: 0s - loss: 0.9480 - accuracy:
0.7655
686/750 [======>...] - ETA: 0s - loss: 0.9475 - accuracy:
0.7659
750/750 [=====] - 1s 717us/step - loss: 0.9467 - accuracy:
0.7649 - val_loss: 0.9365 - val_accuracy: 0.7698
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.9017 - accuracy:
0.7031

88/750 [==>.....] - ETA: 0s - loss: 0.9025 - accuracy: 0.7836
174/750 [=====>.....] - ETA: 0s - loss: 0.9227 - accuracy: 0.7742
259/750 [=====>.....] - ETA: 0s - loss: 0.9224 - accuracy: 0.7736
346/750 [=====>.....] - ETA: 0s - loss: 0.9254 - accuracy: 0.7723
434/750 [=====>.....] - ETA: 0s - loss: 0.9266 - accuracy: 0.7714
521/750 [=====>.....] - ETA: 0s - loss: 0.9252 - accuracy: 0.7732
606/750 [=====>.....] - ETA: 0s - loss: 0.9280 - accuracy: 0.7717
693/750 [=====>...] - ETA: 0s - loss: 0.9283 - accuracy: 0.7717
750/750 [=====>] - 1s 714us/step - loss: 0.9278 - accuracy: 0.7717 - val_loss: 0.9183 - val_accuracy: 0.7760
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 1.0104 - accuracy: 0.7812
84/750 [==>.....] - ETA: 0s - loss: 0.9243 - accuracy: 0.7723
170/750 [=====>.....] - ETA: 0s - loss: 0.9210 - accuracy: 0.7759
257/750 [=====>.....] - ETA: 0s - loss: 0.9146 - accuracy: 0.7775
343/750 [=====>.....] - ETA: 0s - loss: 0.9134 - accuracy: 0.7776
430/750 [=====>.....] - ETA: 0s - loss: 0.9153 - accuracy: 0.7777
516/750 [=====>.....] - ETA: 0s - loss: 0.9146 - accuracy: 0.7777
601/750 [=====>.....] - ETA: 0s - loss: 0.9149 - accuracy: 0.7765
690/750 [=====>...] - ETA: 0s - loss: 0.9133 - accuracy: 0.7770
750/750 [=====>] - 1s 716us/step - loss: 0.9119 - accuracy: 0.7778 - val_loss: 0.9048 - val_accuracy: 0.7823
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 0.9993 - accuracy: 0.7656
86/750 [==>.....] - ETA: 0s - loss: 0.9037 - accuracy: 0.7854
174/750 [=====>.....] - ETA: 0s - loss: 0.9010 - accuracy: 0.7835
260/750 [=====>.....] - ETA: 0s - loss: 0.9039 - accuracy: 0.7819

345/750 [=====>.....] - ETA: 0s - loss: 0.9073 - accuracy: 0.7816
432/750 [=====>.....] - ETA: 0s - loss: 0.9031 - accuracy: 0.7839
520/750 [=====>.....] - ETA: 0s - loss: 0.9027 - accuracy: 0.7837
605/750 [=====>.....] - ETA: 0s - loss: 0.9011 - accuracy: 0.7844
690/750 [=====>...] - ETA: 0s - loss: 0.8999 - accuracy: 0.7836
750/750 [=====] - 1s 718us/step - loss: 0.8978 - accuracy: 0.7846 - val_loss: 0.8914 - val_accuracy: 0.7854
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 0.9842 - accuracy: 0.7812
86/750 [==>.....] - ETA: 0s - loss: 0.9038 - accuracy: 0.7849
173/750 [====>.....] - ETA: 0s - loss: 0.8934 - accuracy: 0.7886
259/750 [=====>.....] - ETA: 0s - loss: 0.9001 - accuracy: 0.7857
344/750 [=====>.....] - ETA: 0s - loss: 0.8957 - accuracy: 0.7860
430/750 [=====>.....] - ETA: 0s - loss: 0.8898 - accuracy: 0.7870
519/750 [=====>.....] - ETA: 0s - loss: 0.8902 - accuracy: 0.7872
604/750 [=====>.....] - ETA: 0s - loss: 0.8862 - accuracy: 0.7885
691/750 [=====>...] - ETA: 0s - loss: 0.8854 - accuracy: 0.7891
750/750 [=====] - 1s 710us/step - loss: 0.8854 - accuracy: 0.7889 - val_loss: 0.8806 - val_accuracy: 0.7921
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.7230 - accuracy: 0.8125
90/750 [==>.....] - ETA: 0s - loss: 0.8828 - accuracy: 0.7837
174/750 [====>.....] - ETA: 0s - loss: 0.8783 - accuracy: 0.7874
261/750 [=====>.....] - ETA: 0s - loss: 0.8764 - accuracy: 0.7895
349/750 [=====>.....] - ETA: 0s - loss: 0.8787 - accuracy: 0.7903
437/750 [=====>.....] - ETA: 0s - loss: 0.8779 - accuracy: 0.7913
522/750 [=====>.....] - ETA: 0s - loss: 0.8780 - accuracy: 0.7915

607/750 [=====>.....] - ETA: 0s - loss: 0.8777 - accuracy:
0.7912
690/750 [=====>...] - ETA: 0s - loss: 0.8769 - accuracy:
0.7921
750/750 [=====] - 1s 717us/step - loss: 0.8746 - accuracy:
0.7936 - val_loss: 0.8723 - val_accuracy: 0.7971
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.8554 - accuracy:
0.7812
89/750 [==>.....] - ETA: 0s - loss: 0.8592 - accuracy:
0.8007
175/750 [=====>.....] - ETA: 0s - loss: 0.8603 - accuracy:
0.7998
261/750 [=====>.....] - ETA: 0s - loss: 0.8657 - accuracy:
0.7986
348/750 [=====>.....] - ETA: 0s - loss: 0.8663 - accuracy:
0.7963
435/750 [=====>.....] - ETA: 0s - loss: 0.8688 - accuracy:
0.7969
522/750 [=====>.....] - ETA: 0s - loss: 0.8678 - accuracy:
0.7968
607/750 [=====>.....] - ETA: 0s - loss: 0.8674 - accuracy:
0.7973
694/750 [=====>...] - ETA: 0s - loss: 0.8657 - accuracy:
0.7981
750/750 [=====] - 1s 712us/step - loss: 0.8648 - accuracy:
0.7988 - val_loss: 0.8641 - val_accuracy: 0.7987
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.8189 - accuracy:
0.7812
87/750 [==>.....] - ETA: 0s - loss: 0.8439 - accuracy:
0.8035
172/750 [=====>.....] - ETA: 0s - loss: 0.8588 - accuracy:
0.8005
258/750 [=====>.....] - ETA: 0s - loss: 0.8589 - accuracy:
0.8003
347/750 [=====>.....] - ETA: 0s - loss: 0.8553 - accuracy:
0.8022
430/750 [=====>.....] - ETA: 0s - loss: 0.8553 - accuracy:
0.8022
517/750 [=====>.....] - ETA: 0s - loss: 0.8542 - accuracy:
0.8019
603/750 [=====>.....] - ETA: 0s - loss: 0.8558 - accuracy:
0.8015
686/750 [=====>...] - ETA: 0s - loss: 0.8563 - accuracy:
0.8017
750/750 [=====] - 1s 717us/step - loss: 0.8556 - accuracy:
0.8019 - val_loss: 0.8592 - val_accuracy: 0.8009

Epoch 25/220

```
1/750 [.....] - ETA: 0s - loss: 0.7574 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.8562 - accuracy: 0.8006
174/750 [=====>.....] - ETA: 0s - loss: 0.8593 - accuracy: 0.7997
260/750 [=====>.....] - ETA: 0s - loss: 0.8516 - accuracy: 0.8029
349/750 [======>.....] - ETA: 0s - loss: 0.8487 - accuracy: 0.8059
434/750 [======>.....] - ETA: 0s - loss: 0.8478 - accuracy: 0.8059
519/750 [======>.....] - ETA: 0s - loss: 0.8449 - accuracy: 0.8067
605/750 [======>.....] - ETA: 0s - loss: 0.8462 - accuracy: 0.8058
692/750 [======>...] - ETA: 0s - loss: 0.8487 - accuracy: 0.8057
750/750 [=====] - 1s 714us/step - loss: 0.8477 - accuracy: 0.8059 - val_loss: 0.8475 - val_accuracy: 0.8071
Epoch 26/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.8801 - accuracy: 0.8281
88/750 [==>.....] - ETA: 0s - loss: 0.8521 - accuracy: 0.8029
175/750 [=====>.....] - ETA: 0s - loss: 0.8460 - accuracy: 0.8085
259/750 [=====>.....] - ETA: 0s - loss: 0.8420 - accuracy: 0.8100
345/750 [======>.....] - ETA: 0s - loss: 0.8417 - accuracy: 0.8099
431/750 [======>.....] - ETA: 0s - loss: 0.8424 - accuracy: 0.8080
516/750 [======>.....] - ETA: 0s - loss: 0.8445 - accuracy: 0.8080
602/750 [======>.....] - ETA: 0s - loss: 0.8436 - accuracy: 0.8083
686/750 [======>...] - ETA: 0s - loss: 0.8423 - accuracy: 0.8085
750/750 [=====] - 1s 720us/step - loss: 0.8396 - accuracy: 0.8093 - val_loss: 0.8417 - val_accuracy: 0.8092
Epoch 27/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.9819 - accuracy: 0.7344
87/750 [==>.....] - ETA: 0s - loss: 0.8255 - accuracy: 0.8132
```

174/750 [====>.....] - ETA: 0s - loss: 0.8318 - accuracy: 0.8094
260/750 [=====>.....] - ETA: 0s - loss: 0.8312 - accuracy: 0.8109
345/750 [=====>.....] - ETA: 0s - loss: 0.8364 - accuracy: 0.8081
432/750 [=====>.....] - ETA: 0s - loss: 0.8343 - accuracy: 0.8077
518/750 [=====>.....] - ETA: 0s - loss: 0.8334 - accuracy: 0.8094
607/750 [=====>.....] - ETA: 0s - loss: 0.8335 - accuracy: 0.8095
693/750 [=====>...] - ETA: 0s - loss: 0.8335 - accuracy: 0.8103
750/750 [=====] - 1s 714us/step - loss: 0.8323 - accuracy: 0.8108 - val_loss: 0.8337 - val_accuracy: 0.8098
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.9067 - accuracy: 0.7969
86/750 [==>.....] - ETA: 0s - loss: 0.8441 - accuracy: 0.8076
174/750 [====>.....] - ETA: 0s - loss: 0.8297 - accuracy: 0.8109
259/750 [=====>.....] - ETA: 0s - loss: 0.8320 - accuracy: 0.8113
343/750 [=====>.....] - ETA: 0s - loss: 0.8312 - accuracy: 0.8118
431/750 [=====>.....] - ETA: 0s - loss: 0.8295 - accuracy: 0.8124
513/750 [=====>.....] - ETA: 0s - loss: 0.8276 - accuracy: 0.8132
600/750 [=====>.....] - ETA: 0s - loss: 0.8276 - accuracy: 0.8136
686/750 [=====>...] - ETA: 0s - loss: 0.8271 - accuracy: 0.8140
750/750 [=====] - 1s 718us/step - loss: 0.8253 - accuracy: 0.8141 - val_loss: 0.8266 - val_accuracy: 0.8142
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.8314 - accuracy: 0.8125
88/750 [==>.....] - ETA: 0s - loss: 0.8171 - accuracy: 0.8184
176/750 [====>.....] - ETA: 0s - loss: 0.8228 - accuracy: 0.8150
261/750 [=====>.....] - ETA: 0s - loss: 0.8223 - accuracy: 0.8150
347/750 [=====>.....] - ETA: 0s - loss: 0.8200 - accuracy: 0.8158

436/750 [=====>.....] - ETA: 0s - loss: 0.8231 - accuracy: 0.8153
522/750 [=====>.....] - ETA: 0s - loss: 0.8226 - accuracy: 0.8158
604/750 [=====>.....] - ETA: 0s - loss: 0.8222 - accuracy: 0.8158
692/750 [=====>...] - ETA: 0s - loss: 0.8197 - accuracy: 0.8171
750/750 [=====] - 1s 720us/step - loss: 0.8187 - accuracy: 0.8174 - val_loss: 0.8206 - val_accuracy: 0.8154
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.7550 - accuracy: 0.8594
84/750 [==>.....] - ETA: 0s - loss: 0.8198 - accuracy: 0.8149
168/750 [====>.....] - ETA: 0s - loss: 0.8169 - accuracy: 0.8172
253/750 [=====>.....] - ETA: 0s - loss: 0.8085 - accuracy: 0.8213
334/750 [=====>.....] - ETA: 0s - loss: 0.8114 - accuracy: 0.8199
418/750 [=====>.....] - ETA: 0s - loss: 0.8120 - accuracy: 0.8186
503/750 [=====>.....] - ETA: 0s - loss: 0.8146 - accuracy: 0.8172
587/750 [=====>.....] - ETA: 0s - loss: 0.8160 - accuracy: 0.8176
670/750 [=====>...] - ETA: 0s - loss: 0.8145 - accuracy: 0.8185
750/750 [=====] - 1s 741us/step - loss: 0.8124 - accuracy: 0.8190 - val_loss: 0.8144 - val_accuracy: 0.8175
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.8336 - accuracy: 0.7812
77/750 [==>.....] - ETA: 0s - loss: 0.7798 - accuracy: 0.8340
161/750 [====>.....] - ETA: 0s - loss: 0.8003 - accuracy: 0.8264
249/750 [=====>.....] - ETA: 0s - loss: 0.8069 - accuracy: 0.8217
336/750 [=====>.....] - ETA: 0s - loss: 0.8085 - accuracy: 0.8222
423/750 [=====>.....] - ETA: 0s - loss: 0.8040 - accuracy: 0.8231
507/750 [=====>.....] - ETA: 0s - loss: 0.8041 - accuracy: 0.8227
593/750 [=====>.....] - ETA: 0s - loss: 0.8057 - accuracy: 0.8225

683/750 [=====>...] - ETA: 0s - loss: 0.8076 - accuracy:
0.8213
750/750 [=====] - 1s 721us/step - loss: 0.8066 - accuracy:
0.8212 - val_loss: 0.8107 - val_accuracy: 0.8181
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.6972 - accuracy:
0.8281
81/750 [==>.....] - ETA: 0s - loss: 0.8199 - accuracy:
0.8171
166/750 [====>.....] - ETA: 0s - loss: 0.8090 - accuracy:
0.8206
251/750 [=====>.....] - ETA: 0s - loss: 0.8066 - accuracy:
0.8207
335/750 [=====>.....] - ETA: 0s - loss: 0.8083 - accuracy:
0.8202
421/750 [=====>.....] - ETA: 0s - loss: 0.8060 - accuracy:
0.8204
509/750 [=====>.....] - ETA: 0s - loss: 0.8084 - accuracy:
0.8188
597/750 [=====>.....] - ETA: 0s - loss: 0.8035 - accuracy:
0.8208
685/750 [=====>...] - ETA: 0s - loss: 0.8004 - accuracy:
0.8222
750/750 [=====] - 1s 717us/step - loss: 0.8005 - accuracy:
0.8222 - val_loss: 0.8065 - val_accuracy: 0.8214
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.7753 - accuracy:
0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.8146 - accuracy:
0.8174
174/750 [====>.....] - ETA: 0s - loss: 0.7965 - accuracy:
0.8237
262/750 [=====>.....] - ETA: 0s - loss: 0.7956 - accuracy:
0.8244
347/750 [=====>.....] - ETA: 0s - loss: 0.7963 - accuracy:
0.8238
435/750 [=====>.....] - ETA: 0s - loss: 0.7964 - accuracy:
0.8242
522/750 [=====>.....] - ETA: 0s - loss: 0.7937 - accuracy:
0.8247
608/750 [=====>.....] - ETA: 0s - loss: 0.7965 - accuracy:
0.8234
696/750 [=====>...] - ETA: 0s - loss: 0.7958 - accuracy:
0.8232
750/750 [=====] - 1s 713us/step - loss: 0.7950 - accuracy:
0.8239 - val_loss: 0.7986 - val_accuracy: 0.8224
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.6298 - accuracy: 0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.7889 - accuracy: 0.8261
169/750 [=====>.....] - ETA: 0s - loss: 0.7929 - accuracy: 0.8235
257/750 [=====>.....] - ETA: 0s - loss: 0.7932 - accuracy: 0.8225
342/750 [======>.....] - ETA: 0s - loss: 0.7931 - accuracy: 0.8233
430/750 [======>.....] - ETA: 0s - loss: 0.7911 - accuracy: 0.8238
517/750 [======>.....] - ETA: 0s - loss: 0.7923 - accuracy: 0.8245
601/750 [======>.....] - ETA: 0s - loss: 0.7907 - accuracy: 0.8252
689/750 [======>...] - ETA: 0s - loss: 0.7912 - accuracy: 0.8253
750/750 [=====] - 1s 714us/step - loss: 0.7908 - accuracy: 0.8254 - val_loss: 0.7959 - val_accuracy: 0.8245
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.8046 - accuracy: 0.7969
86/750 [==>.....] - ETA: 0s - loss: 0.7747 - accuracy: 0.8309
171/750 [=====>.....] - ETA: 0s - loss: 0.7761 - accuracy: 0.8310
256/750 [=====>.....] - ETA: 0s - loss: 0.7803 - accuracy: 0.8301
340/750 [======>.....] - ETA: 0s - loss: 0.7786 - accuracy: 0.8300
426/750 [======>.....] - ETA: 0s - loss: 0.7797 - accuracy: 0.8299
511/750 [======>.....] - ETA: 0s - loss: 0.7831 - accuracy: 0.8290
597/750 [======>.....] - ETA: 0s - loss: 0.7823 - accuracy: 0.8291
682/750 [======>...] - ETA: 0s - loss: 0.7849 - accuracy: 0.8279
750/750 [=====] - 1s 728us/step - loss: 0.7856 - accuracy: 0.8276 - val_loss: 0.7923 - val_accuracy: 0.8259
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.7985 - accuracy: 0.8281
87/750 [==>.....] - ETA: 0s - loss: 0.7841 - accuracy: 0.8267
175/750 [=====>.....] - ETA: 0s - loss: 0.7814 - accuracy: 0.8295

263/750 [=====>.....] - ETA: 0s - loss: 0.7846 - accuracy: 0.8289
347/750 [=====>.....] - ETA: 0s - loss: 0.7793 - accuracy: 0.8319
434/750 [=====>.....] - ETA: 0s - loss: 0.7805 - accuracy: 0.8311
522/750 [=====>.....] - ETA: 0s - loss: 0.7790 - accuracy: 0.8303
607/750 [=====>.....] - ETA: 0s - loss: 0.7812 - accuracy: 0.8292
692/750 [=====>...] - ETA: 0s - loss: 0.7797 - accuracy: 0.8293
750/750 [=====] - 1s 713us/step - loss: 0.7807 - accuracy: 0.8292 - val_loss: 0.7867 - val_accuracy: 0.8272
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.7761 - accuracy: 0.8322
173/750 [====>.....] - ETA: 0s - loss: 0.7724 - accuracy: 0.8317
258/750 [=====>.....] - ETA: 0s - loss: 0.7703 - accuracy: 0.8327
346/750 [=====>.....] - ETA: 0s - loss: 0.7738 - accuracy: 0.8308
433/750 [=====>.....] - ETA: 0s - loss: 0.7718 - accuracy: 0.8327
519/750 [=====>.....] - ETA: 0s - loss: 0.7759 - accuracy: 0.8298
602/750 [=====>.....] - ETA: 0s - loss: 0.7751 - accuracy: 0.8304
686/750 [=====>...] - ETA: 0s - loss: 0.7769 - accuracy: 0.8294
750/750 [=====] - 1s 716us/step - loss: 0.7761 - accuracy: 0.8299 - val_loss: 0.7820 - val_accuracy: 0.8279
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 1.0163 - accuracy: 0.7656
89/750 [==>.....] - ETA: 0s - loss: 0.7843 - accuracy: 0.8285
175/750 [====>.....] - ETA: 0s - loss: 0.7725 - accuracy: 0.8318
261/750 [=====>.....] - ETA: 0s - loss: 0.7676 - accuracy: 0.8329
347/750 [=====>.....] - ETA: 0s - loss: 0.7659 - accuracy: 0.8326
433/750 [=====>.....] - ETA: 0s - loss: 0.7687 - accuracy: 0.8312

520/750 [=====>.....] - ETA: 0s - loss: 0.7691 - accuracy: 0.8312
606/750 [=====>.....] - ETA: 0s - loss: 0.7692 - accuracy: 0.8317
693/750 [=====>...] - ETA: 0s - loss: 0.7707 - accuracy: 0.8311
750/750 [=====] - 1s 712us/step - loss: 0.7717 - accuracy: 0.8311 - val_loss: 0.7785 - val_accuracy: 0.8304
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.7525 - accuracy: 0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.7783 - accuracy: 0.8301
175/750 [=====>.....] - ETA: 0s - loss: 0.7734 - accuracy: 0.8323
259/750 [=====>.....] - ETA: 0s - loss: 0.7744 - accuracy: 0.8308
346/750 [=====>.....] - ETA: 0s - loss: 0.7669 - accuracy: 0.8325
432/750 [=====>.....] - ETA: 0s - loss: 0.7699 - accuracy: 0.8317
515/750 [=====>.....] - ETA: 0s - loss: 0.7685 - accuracy: 0.8320
599/750 [=====>.....] - ETA: 0s - loss: 0.7684 - accuracy: 0.8319
682/750 [=====>...] - ETA: 0s - loss: 0.7678 - accuracy: 0.8322
750/750 [=====] - 1s 721us/step - loss: 0.7676 - accuracy: 0.8324 - val_loss: 0.7736 - val_accuracy: 0.8305
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.7631 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.7675 - accuracy: 0.8351
174/750 [=====>.....] - ETA: 0s - loss: 0.7750 - accuracy: 0.8332
262/750 [=====>.....] - ETA: 0s - loss: 0.7682 - accuracy: 0.8338
351/750 [=====>.....] - ETA: 0s - loss: 0.7671 - accuracy: 0.8348
436/750 [=====>.....] - ETA: 0s - loss: 0.7660 - accuracy: 0.8351
523/750 [=====>.....] - ETA: 0s - loss: 0.7664 - accuracy: 0.8345
612/750 [=====>.....] - ETA: 0s - loss: 0.7643 - accuracy: 0.8351
697/750 [=====>...] - ETA: 0s - loss: 0.7627 - accuracy: 0.8354

750/750 [=====] - 1s 712us/step - loss: 0.7634 - accuracy: 0.8349 - val_loss: 0.7704 - val_accuracy: 0.8311
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.8601 - accuracy: 0.7969
87/750 [==>.....] - ETA: 0s - loss: 0.7600 - accuracy: 0.8328
168/750 [=====>.....] - ETA: 0s - loss: 0.7641 - accuracy: 0.8337
257/750 [=====>.....] - ETA: 0s - loss: 0.7625 - accuracy: 0.8343
344/750 [======>.....] - ETA: 0s - loss: 0.7625 - accuracy: 0.8344
427/750 [======>.....] - ETA: 0s - loss: 0.7592 - accuracy: 0.8354
515/750 [======>.....] - ETA: 0s - loss: 0.7593 - accuracy: 0.8361
603/750 [======>.....] - ETA: 0s - loss: 0.7587 - accuracy: 0.8363
687/750 [======>...] - ETA: 0s - loss: 0.7568 - accuracy: 0.8371
750/750 [=====] - 1s 718us/step - loss: 0.7591 - accuracy: 0.8360 - val_loss: 0.7673 - val_accuracy: 0.8327
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.7254 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.7486 - accuracy: 0.8398
174/750 [=====>.....] - ETA: 0s - loss: 0.7617 - accuracy: 0.8346
261/750 [=====>.....] - ETA: 0s - loss: 0.7581 - accuracy: 0.8375
347/750 [======>.....] - ETA: 0s - loss: 0.7532 - accuracy: 0.8375
431/750 [======>.....] - ETA: 0s - loss: 0.7551 - accuracy: 0.8364
518/750 [======>.....] - ETA: 0s - loss: 0.7545 - accuracy: 0.8365
604/750 [======>.....] - ETA: 0s - loss: 0.7539 - accuracy: 0.8367
689/750 [======>...] - ETA: 0s - loss: 0.7545 - accuracy: 0.8365
750/750 [=====] - 1s 714us/step - loss: 0.7555 - accuracy: 0.8361 - val_loss: 0.7654 - val_accuracy: 0.8332
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.7004 - accuracy: 0.8281

87/750 [==>.....] - ETA: 0s - loss: 0.7549 - accuracy: 0.8348
176/750 [=====>.....] - ETA: 0s - loss: 0.7593 - accuracy: 0.8346
259/750 [=====>.....] - ETA: 0s - loss: 0.7584 - accuracy: 0.8341
345/750 [=====>.....] - ETA: 0s - loss: 0.7572 - accuracy: 0.8351
431/750 [=====>.....] - ETA: 0s - loss: 0.7575 - accuracy: 0.8345
515/750 [=====>.....] - ETA: 0s - loss: 0.7528 - accuracy: 0.8361
602/750 [=====>.....] - ETA: 0s - loss: 0.7523 - accuracy: 0.8358
688/750 [=====>...] - ETA: 0s - loss: 0.7513 - accuracy: 0.8371
750/750 [=====>] - 1s 717us/step - loss: 0.7518 - accuracy: 0.8374 - val_loss: 0.7607 - val_accuracy: 0.8335
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.7472 - accuracy: 0.8403
174/750 [=====>.....] - ETA: 0s - loss: 0.7455 - accuracy: 0.8409
260/750 [=====>.....] - ETA: 0s - loss: 0.7444 - accuracy: 0.8414
345/750 [=====>.....] - ETA: 0s - loss: 0.7461 - accuracy: 0.8419
432/750 [=====>.....] - ETA: 0s - loss: 0.7477 - accuracy: 0.8399
517/750 [=====>.....] - ETA: 0s - loss: 0.7479 - accuracy: 0.8400
605/750 [=====>.....] - ETA: 0s - loss: 0.7458 - accuracy: 0.8409
689/750 [=====>...] - ETA: 0s - loss: 0.7483 - accuracy: 0.8390
750/750 [=====>] - 1s 713us/step - loss: 0.7479 - accuracy: 0.8389 - val_loss: 0.7578 - val_accuracy: 0.8372
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.7256 - accuracy: 0.8457
172/750 [=====>.....] - ETA: 0s - loss: 0.7303 - accuracy: 0.8443
256/750 [=====>.....] - ETA: 0s - loss: 0.7380 - accuracy: 0.8425

339/750 [=====>.....] - ETA: 0s - loss: 0.7379 - accuracy: 0.8414
427/750 [=====>.....] - ETA: 0s - loss: 0.7398 - accuracy: 0.8414
513/750 [=====>.....] - ETA: 0s - loss: 0.7427 - accuracy: 0.8407
582/750 [=====>.....] - ETA: 0s - loss: 0.7451 - accuracy: 0.8395
671/750 [=====>....] - ETA: 0s - loss: 0.7439 - accuracy: 0.8402
750/750 [=====] - 1s 729us/step - loss: 0.7447 - accuracy: 0.8397 - val_loss: 0.7569 - val_accuracy: 0.8355
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.9620 - accuracy: 0.7656
85/750 [==>.....] - ETA: 0s - loss: 0.7400 - accuracy: 0.8371
171/750 [====>.....] - ETA: 0s - loss: 0.7391 - accuracy: 0.8416
258/750 [=====>.....] - ETA: 0s - loss: 0.7397 - accuracy: 0.8408
346/750 [=====>.....] - ETA: 0s - loss: 0.7407 - accuracy: 0.8399
433/750 [=====>.....] - ETA: 0s - loss: 0.7405 - accuracy: 0.8417
517/750 [=====>.....] - ETA: 0s - loss: 0.7380 - accuracy: 0.8425
605/750 [=====>.....] - ETA: 0s - loss: 0.7425 - accuracy: 0.8403
693/750 [=====>...] - ETA: 0s - loss: 0.7421 - accuracy: 0.8406
750/750 [=====] - 1s 710us/step - loss: 0.7414 - accuracy: 0.8412 - val_loss: 0.7505 - val_accuracy: 0.8369
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.7310 - accuracy: 0.8417
173/750 [====>.....] - ETA: 0s - loss: 0.7375 - accuracy: 0.8410
257/750 [=====>.....] - ETA: 0s - loss: 0.7398 - accuracy: 0.8396
344/750 [=====>.....] - ETA: 0s - loss: 0.7380 - accuracy: 0.8419
432/750 [=====>.....] - ETA: 0s - loss: 0.7364 - accuracy: 0.8414
518/750 [=====>.....] - ETA: 0s - loss: 0.7358 - accuracy: 0.8414

605/750 [=====>.....] - ETA: 0s - loss: 0.7360 - accuracy: 0.8414
692/750 [=====>...] - ETA: 0s - loss: 0.7374 - accuracy: 0.8415
750/750 [=====] - 1s 712us/step - loss: 0.7377 - accuracy: 0.8420 - val_loss: 0.7489 - val_accuracy: 0.8366
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.9130 - accuracy: 0.7812
85/750 [==>.....] - ETA: 0s - loss: 0.7165 - accuracy: 0.8423
172/750 [====>.....] - ETA: 0s - loss: 0.7274 - accuracy: 0.8424
260/750 [=====>.....] - ETA: 0s - loss: 0.7317 - accuracy: 0.8425
346/750 [=====>.....] - ETA: 0s - loss: 0.7314 - accuracy: 0.8443
434/750 [=====>.....] - ETA: 0s - loss: 0.7348 - accuracy: 0.8426
519/750 [=====>.....] - ETA: 0s - loss: 0.7342 - accuracy: 0.8430
603/750 [=====>.....] - ETA: 0s - loss: 0.7318 - accuracy: 0.8442
690/750 [=====>...] - ETA: 0s - loss: 0.7332 - accuracy: 0.8426
750/750 [=====] - 1s 724us/step - loss: 0.7345 - accuracy: 0.8425 - val_loss: 0.7457 - val_accuracy: 0.8399
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.7049 - accuracy: 0.8438
83/750 [==>.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.8477
165/750 [====>.....] - ETA: 0s - loss: 0.7372 - accuracy: 0.8401
250/750 [=====>.....] - ETA: 0s - loss: 0.7326 - accuracy: 0.8410
334/750 [=====>.....] - ETA: 0s - loss: 0.7315 - accuracy: 0.8438
419/750 [=====>.....] - ETA: 0s - loss: 0.7313 - accuracy: 0.8433
503/750 [=====>.....] - ETA: 0s - loss: 0.7313 - accuracy: 0.8447
583/750 [=====>.....] - ETA: 0s - loss: 0.7324 - accuracy: 0.8438
668/750 [=====>...] - ETA: 0s - loss: 0.7324 - accuracy: 0.8438
747/750 [=====>.] - ETA: 0s - loss: 0.7312 - accuracy: 0.8441

750/750 [=====] - 1s 737us/step - loss: 0.7314 - accuracy: 0.8442 - val_loss: 0.7419 - val_accuracy: 0.8410
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.6943 - accuracy: 0.8906
84/750 [==>.....] - ETA: 0s - loss: 0.7009 - accuracy: 0.8588
167/750 [=====>.....] - ETA: 0s - loss: 0.7074 - accuracy: 0.8535
253/750 [=====>.....] - ETA: 0s - loss: 0.7165 - accuracy: 0.8491
336/750 [======>.....] - ETA: 0s - loss: 0.7245 - accuracy: 0.8471
420/750 [======>.....] - ETA: 0s - loss: 0.7250 - accuracy: 0.8474
505/750 [======>.....] - ETA: 0s - loss: 0.7267 - accuracy: 0.8460
589/750 [======>.....] - ETA: 0s - loss: 0.7273 - accuracy: 0.8461
674/750 [======>....] - ETA: 0s - loss: 0.7296 - accuracy: 0.8456
750/750 [=====] - 1s 734us/step - loss: 0.7279 - accuracy: 0.8462 - val_loss: 0.7396 - val_accuracy: 0.8417
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.8906
83/750 [==>.....] - ETA: 0s - loss: 0.7116 - accuracy: 0.8524
167/750 [=====>.....] - ETA: 0s - loss: 0.7192 - accuracy: 0.8468
255/750 [=====>.....] - ETA: 0s - loss: 0.7201 - accuracy: 0.8485
337/750 [======>.....] - ETA: 0s - loss: 0.7189 - accuracy: 0.8494
422/750 [======>.....] - ETA: 0s - loss: 0.7185 - accuracy: 0.8497
509/750 [======>.....] - ETA: 0s - loss: 0.7202 - accuracy: 0.8490
593/750 [======>.....] - ETA: 0s - loss: 0.7232 - accuracy: 0.8474
678/750 [======>...] - ETA: 0s - loss: 0.7247 - accuracy: 0.8467
750/750 [=====] - 1s 726us/step - loss: 0.7254 - accuracy: 0.8465 - val_loss: 0.7358 - val_accuracy: 0.8410
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.8220 - accuracy: 0.7969

86/750 [==>.....] - ETA: 0s - loss: 0.7254 - accuracy: 0.8476
172/750 [=====>.....] - ETA: 0s - loss: 0.7303 - accuracy: 0.8454
258/750 [=====>.....] - ETA: 0s - loss: 0.7305 - accuracy: 0.8444
342/750 [=====>.....] - ETA: 0s - loss: 0.7274 - accuracy: 0.8457
426/750 [=====>.....] - ETA: 0s - loss: 0.7263 - accuracy: 0.8465
512/750 [=====>.....] - ETA: 0s - loss: 0.7259 - accuracy: 0.8466
593/750 [=====>.....] - ETA: 0s - loss: 0.7250 - accuracy: 0.8467
678/750 [=====>...] - ETA: 0s - loss: 0.7241 - accuracy: 0.8468
750/750 [=====>] - 1s 730us/step - loss: 0.7222 - accuracy: 0.8474 - val_loss: 0.7362 - val_accuracy: 0.8400
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.7155 - accuracy: 0.8483
169/750 [=====>.....] - ETA: 0s - loss: 0.7167 - accuracy: 0.8495
256/750 [=====>.....] - ETA: 0s - loss: 0.7194 - accuracy: 0.8488
338/750 [=====>.....] - ETA: 0s - loss: 0.7212 - accuracy: 0.8479
421/750 [=====>.....] - ETA: 0s - loss: 0.7174 - accuracy: 0.8485
507/750 [=====>.....] - ETA: 0s - loss: 0.7185 - accuracy: 0.8481
591/750 [=====>.....] - ETA: 0s - loss: 0.7183 - accuracy: 0.8479
674/750 [=====>...] - ETA: 0s - loss: 0.7178 - accuracy: 0.8481
750/750 [=====>] - 1s 728us/step - loss: 0.7191 - accuracy: 0.8472 - val_loss: 0.7327 - val_accuracy: 0.8424
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.8509 - accuracy: 0.7969
86/750 [==>.....] - ETA: 0s - loss: 0.7016 - accuracy: 0.8536
170/750 [=====>.....] - ETA: 0s - loss: 0.7116 - accuracy: 0.8512
257/750 [=====>.....] - ETA: 0s - loss: 0.7142 - accuracy: 0.8502

339/750 [=====>.....] - ETA: 0s - loss: 0.7128 - accuracy: 0.8494
424/750 [=====>.....] - ETA: 0s - loss: 0.7126 - accuracy: 0.8497
509/750 [=====>.....] - ETA: 0s - loss: 0.7172 - accuracy: 0.8486
592/750 [=====>.....] - ETA: 0s - loss: 0.7169 - accuracy: 0.8489
675/750 [=====>...] - ETA: 0s - loss: 0.7158 - accuracy: 0.8494
750/750 [=====] - 1s 730us/step - loss: 0.7162 - accuracy: 0.8486 - val_loss: 0.7291 - val_accuracy: 0.8427
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.6531 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.7177 - accuracy: 0.8459
174/750 [====>.....] - ETA: 0s - loss: 0.7133 - accuracy: 0.8471
259/750 [=====>.....] - ETA: 0s - loss: 0.7150 - accuracy: 0.8488
342/750 [=====>.....] - ETA: 0s - loss: 0.7165 - accuracy: 0.8489
429/750 [=====>.....] - ETA: 0s - loss: 0.7180 - accuracy: 0.8483
518/750 [=====>.....] - ETA: 0s - loss: 0.7164 - accuracy: 0.8491
596/750 [=====>.....] - ETA: 0s - loss: 0.7169 - accuracy: 0.8487
679/750 [=====>...] - ETA: 0s - loss: 0.7160 - accuracy: 0.8495
750/750 [=====] - 1s 734us/step - loss: 0.7135 - accuracy: 0.8501 - val_loss: 0.7305 - val_accuracy: 0.8414
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.8084 - accuracy: 0.8125
84/750 [==>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.8584
167/750 [====>.....] - ETA: 0s - loss: 0.7009 - accuracy: 0.8562
253/750 [=====>.....] - ETA: 0s - loss: 0.7103 - accuracy: 0.8515
336/750 [=====>.....] - ETA: 0s - loss: 0.7150 - accuracy: 0.8504
419/750 [=====>.....] - ETA: 0s - loss: 0.7123 - accuracy: 0.8508
501/750 [=====>.....] - ETA: 0s - loss: 0.7136 - accuracy: 0.8492

584/750 [=====>.....] - ETA: 0s - loss: 0.7129 - accuracy: 0.8496
670/750 [=====>....] - ETA: 0s - loss: 0.7115 - accuracy: 0.8496
750/750 [=====] - 1s 732us/step - loss: 0.7110 - accuracy: 0.8497 - val_loss: 0.7241 - val_accuracy: 0.8437
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.7004 - accuracy: 0.8623
170/750 [====>.....] - ETA: 0s - loss: 0.7059 - accuracy: 0.8570
258/750 [=====>.....] - ETA: 0s - loss: 0.7082 - accuracy: 0.8564
342/750 [=====>.....] - ETA: 0s - loss: 0.7057 - accuracy: 0.8570
429/750 [=====>.....] - ETA: 0s - loss: 0.7064 - accuracy: 0.8553
514/750 [=====>.....] - ETA: 0s - loss: 0.7074 - accuracy: 0.8541
600/750 [=====>.....] - ETA: 0s - loss: 0.7092 - accuracy: 0.8527
685/750 [=====>...] - ETA: 0s - loss: 0.7080 - accuracy: 0.8524
750/750 [=====] - 1s 725us/step - loss: 0.7078 - accuracy: 0.8523 - val_loss: 0.7241 - val_accuracy: 0.8413
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.8729 - accuracy: 0.7969
83/750 [==>.....] - ETA: 0s - loss: 0.7109 - accuracy: 0.8513
165/750 [====>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.8536
250/750 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy: 0.8518
332/750 [=====>.....] - ETA: 0s - loss: 0.7085 - accuracy: 0.8519
415/750 [=====>.....] - ETA: 0s - loss: 0.7072 - accuracy: 0.8516
500/750 [=====>.....] - ETA: 0s - loss: 0.7065 - accuracy: 0.8521
583/750 [=====>.....] - ETA: 0s - loss: 0.7054 - accuracy: 0.8526
669/750 [=====>....] - ETA: 0s - loss: 0.7048 - accuracy: 0.8533
750/750 [=====] - 1s 732us/step - loss: 0.7053 - accuracy: 0.8528 - val_loss: 0.7204 - val_accuracy: 0.8457

Epoch 59/220

```
1/750 [.....] - ETA: 0s - loss: 0.8179 - accuracy:
0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.7272 - accuracy:
0.8524
171/750 [=====>.....] - ETA: 0s - loss: 0.7191 - accuracy:
0.8501
256/750 [======>.....] - ETA: 0s - loss: 0.7171 - accuracy:
0.8498
340/750 [======>.....] - ETA: 0s - loss: 0.7084 - accuracy:
0.8526
425/750 [======>.....] - ETA: 0s - loss: 0.7089 - accuracy:
0.8518
511/750 [======>.....] - ETA: 0s - loss: 0.7053 - accuracy:
0.8522
593/750 [======>.....] - ETA: 0s - loss: 0.7043 - accuracy:
0.8518
680/750 [======>...] - ETA: 0s - loss: 0.7048 - accuracy:
0.8515
750/750 [=====] - 1s 725us/step - loss: 0.7030 - accuracy:
0.8522 - val_loss: 0.7182 - val_accuracy: 0.8469
Epoch 60/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6801 - accuracy:
0.8438
84/750 [==>.....] - ETA: 0s - loss: 0.6943 - accuracy:
0.8523
167/750 [=====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
0.8539
248/750 [======>.....] - ETA: 0s - loss: 0.7098 - accuracy:
0.8509
331/750 [======>.....] - ETA: 0s - loss: 0.7016 - accuracy:
0.8528
415/750 [======>.....] - ETA: 0s - loss: 0.6976 - accuracy:
0.8545
503/750 [======>.....] - ETA: 0s - loss: 0.6994 - accuracy:
0.8540
588/750 [======>.....] - ETA: 0s - loss: 0.6996 - accuracy:
0.8534
671/750 [======>...] - ETA: 0s - loss: 0.6997 - accuracy:
0.8528
750/750 [=====] - 1s 733us/step - loss: 0.7003 - accuracy:
0.8528 - val_loss: 0.7165 - val_accuracy: 0.8459
Epoch 61/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6775 - accuracy:
0.8750
82/750 [==>.....] - ETA: 0s - loss: 0.6864 - accuracy:
0.8535
```

164/750 [====>.....] - ETA: 0s - loss: 0.6922 - accuracy: 0.8522
247/750 [=====>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.8551
330/750 [=====>.....] - ETA: 0s - loss: 0.6939 - accuracy: 0.8536
415/750 [=====>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.8547
504/750 [=====>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.8542
588/750 [=====>.....] - ETA: 0s - loss: 0.6958 - accuracy: 0.8537
674/750 [=====>....] - ETA: 0s - loss: 0.6974 - accuracy: 0.8537
750/750 [=====>.....] - 1s 729us/step - loss: 0.6981 - accuracy: 0.8537 - val_loss: 0.7144 - val_accuracy: 0.8470
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.8190 - accuracy: 0.7812
83/750 [==>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.8567
169/750 [====>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.8534
256/750 [=====>.....] - ETA: 0s - loss: 0.6946 - accuracy: 0.8538
342/750 [=====>.....] - ETA: 0s - loss: 0.6921 - accuracy: 0.8543
428/750 [=====>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.8542
515/750 [=====>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.8550
600/750 [=====>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.8554
688/750 [=====>....] - ETA: 0s - loss: 0.6943 - accuracy: 0.8543
750/750 [=====>.....] - 1s 716us/step - loss: 0.6957 - accuracy: 0.8540 - val_loss: 0.7115 - val_accuracy: 0.8465
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6862 - accuracy: 0.8563
170/750 [====>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.8544
257/750 [=====>.....] - ETA: 0s - loss: 0.6913 - accuracy: 0.8549
343/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.8551

429/750 [=====>.....] - ETA: 0s - loss: 0.6954 - accuracy: 0.8550
516/750 [=====>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.8554
600/750 [=====>.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.8571
683/750 [=====>...] - ETA: 0s - loss: 0.6919 - accuracy: 0.8561
750/750 [=====] - 1s 721us/step - loss: 0.6933 - accuracy: 0.8556 - val_loss: 0.7122 - val_accuracy: 0.8467
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.8599
174/750 [====>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.8573
264/750 [=====>.....] - ETA: 0s - loss: 0.6899 - accuracy: 0.8552
351/750 [=====>.....] - ETA: 0s - loss: 0.6870 - accuracy: 0.8564
438/750 [=====>.....] - ETA: 0s - loss: 0.6883 - accuracy: 0.8563
526/750 [=====>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.8563
612/750 [=====>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.8559
697/750 [=====>...] - ETA: 0s - loss: 0.6902 - accuracy: 0.8559
750/750 [=====] - 1s 710us/step - loss: 0.6908 - accuracy: 0.8556 - val_loss: 0.7082 - val_accuracy: 0.8496
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.8566
173/750 [====>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.8549
260/750 [=====>.....] - ETA: 0s - loss: 0.6959 - accuracy: 0.8558
346/750 [=====>.....] - ETA: 0s - loss: 0.6958 - accuracy: 0.8544
431/750 [=====>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.8548
517/750 [=====>.....] - ETA: 0s - loss: 0.6900 - accuracy: 0.8560
602/750 [=====>.....] - ETA: 0s - loss: 0.6918 - accuracy: 0.8552

688/750 [=====>...] - ETA: 0s - loss: 0.6888 - accuracy:
0.8565
750/750 [=====] - 1s 716us/step - loss: 0.6882 - accuracy:
0.8570 - val_loss: 0.7059 - val_accuracy: 0.8497
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.7514 - accuracy:
0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.7012 - accuracy:
0.8487
174/750 [====>.....] - ETA: 0s - loss: 0.6968 - accuracy:
0.8533
261/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy:
0.8531
351/750 [=====>.....] - ETA: 0s - loss: 0.6963 - accuracy:
0.8520
438/750 [=====>.....] - ETA: 0s - loss: 0.6914 - accuracy:
0.8547
526/750 [=====>.....] - ETA: 0s - loss: 0.6895 - accuracy:
0.8558
610/750 [=====>.....] - ETA: 0s - loss: 0.6879 - accuracy:
0.8567
698/750 [=====>...] - ETA: 0s - loss: 0.6876 - accuracy:
0.8570
750/750 [=====] - 1s 712us/step - loss: 0.6858 - accuracy:
0.8577 - val_loss: 0.7043 - val_accuracy: 0.8485
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.5281 - accuracy:
0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6695 - accuracy:
0.8615
172/750 [====>.....] - ETA: 0s - loss: 0.6739 - accuracy:
0.8612
258/750 [=====>.....] - ETA: 0s - loss: 0.6721 - accuracy:
0.8637
345/750 [=====>.....] - ETA: 0s - loss: 0.6807 - accuracy:
0.8596
429/750 [=====>.....] - ETA: 0s - loss: 0.6797 - accuracy:
0.8600
515/750 [=====>.....] - ETA: 0s - loss: 0.6794 - accuracy:
0.8601
600/750 [=====>.....] - ETA: 0s - loss: 0.6826 - accuracy:
0.8587
684/750 [=====>...] - ETA: 0s - loss: 0.6833 - accuracy:
0.8583
750/750 [=====] - 1s 722us/step - loss: 0.6838 - accuracy:
0.8581 - val_loss: 0.7020 - val_accuracy: 0.8507
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.8577
171/750 [=====>.....] - ETA: 0s - loss: 0.7018 - accuracy: 0.8523
253/750 [=====>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.8551
339/750 [======>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.8554
425/750 [======>.....] - ETA: 0s - loss: 0.6878 - accuracy: 0.8567
514/750 [======>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.8568
599/750 [======>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.8568
687/750 [======>...] - ETA: 0s - loss: 0.6832 - accuracy: 0.8577
750/750 [=====] - 1s 717us/step - loss: 0.6817 - accuracy: 0.8588 - val_loss: 0.6999 - val_accuracy: 0.8493
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.6831 - accuracy: 0.8588
176/750 [=====>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.8572
259/750 [=====>.....] - ETA: 0s - loss: 0.6824 - accuracy: 0.8596
347/750 [======>.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.8618
429/750 [======>.....] - ETA: 0s - loss: 0.6758 - accuracy: 0.8621
514/750 [======>.....] - ETA: 0s - loss: 0.6765 - accuracy: 0.8615
602/750 [======>.....] - ETA: 0s - loss: 0.6773 - accuracy: 0.8612
687/750 [======>...] - ETA: 0s - loss: 0.6789 - accuracy: 0.8601
750/750 [=====] - 1s 716us/step - loss: 0.6796 - accuracy: 0.8596 - val_loss: 0.6977 - val_accuracy: 0.8501
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8750
87/750 [==>.....] - ETA: 0s - loss: 0.6772 - accuracy: 0.8605
172/750 [=====>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.8596

259/750 [=====>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.8603
345/750 [=====>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.8597
429/750 [=====>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.8589
516/750 [=====>.....] - ETA: 0s - loss: 0.6792 - accuracy: 0.8583
603/750 [=====>.....] - ETA: 0s - loss: 0.6768 - accuracy: 0.8596
689/750 [=====>...] - ETA: 0s - loss: 0.6785 - accuracy: 0.8591
750/750 [=====] - 1s 717us/step - loss: 0.6777 - accuracy: 0.8594 - val_loss: 0.6984 - val_accuracy: 0.8528
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.7544 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.8624
173/750 [====>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.8577
256/750 [=====>.....] - ETA: 0s - loss: 0.6853 - accuracy: 0.8588
343/750 [=====>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.8592
426/750 [=====>.....] - ETA: 0s - loss: 0.6794 - accuracy: 0.8606
513/750 [=====>.....] - ETA: 0s - loss: 0.6777 - accuracy: 0.8611
598/750 [=====>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.8610
685/750 [=====>...] - ETA: 0s - loss: 0.6763 - accuracy: 0.8608
750/750 [=====] - 1s 718us/step - loss: 0.6756 - accuracy: 0.8612 - val_loss: 0.6938 - val_accuracy: 0.8518
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.6686 - accuracy: 0.8626
177/750 [====>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.8633
264/750 [=====>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.8616
351/750 [=====>.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.8604
436/750 [=====>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.8613

520/750 [=====>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.8616
609/750 [=====>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.8609
695/750 [=====>...] - ETA: 0s - loss: 0.6737 - accuracy: 0.8607
750/750 [=====] - 1s 713us/step - loss: 0.6734 - accuracy: 0.8609 - val_loss: 0.6951 - val_accuracy: 0.8516
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.6753 - accuracy: 0.8612
174/750 [====>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.8630
260/750 [=====>.....] - ETA: 0s - loss: 0.6695 - accuracy: 0.8630
343/750 [=====>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.8631
431/750 [=====>.....] - ETA: 0s - loss: 0.6721 - accuracy: 0.8617
513/750 [=====>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.8627
598/750 [=====>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.8618
682/750 [=====>...] - ETA: 0s - loss: 0.6713 - accuracy: 0.8617
750/750 [=====] - 1s 720us/step - loss: 0.6710 - accuracy: 0.8616 - val_loss: 0.6894 - val_accuracy: 0.8549
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.6026 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.8653
172/750 [====>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.8636
257/750 [=====>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.8628
344/750 [=====>.....] - ETA: 0s - loss: 0.6661 - accuracy: 0.8638
432/750 [=====>.....] - ETA: 0s - loss: 0.6695 - accuracy: 0.8624
516/750 [=====>.....] - ETA: 0s - loss: 0.6671 - accuracy: 0.8633
602/750 [=====>.....] - ETA: 0s - loss: 0.6666 - accuracy: 0.8633
689/750 [=====>...] - ETA: 0s - loss: 0.6680 - accuracy: 0.8632

750/750 [=====] - 1s 716us/step - loss: 0.6693 - accuracy:
0.8631 - val_loss: 0.6901 - val_accuracy: 0.8552
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.8959 - accuracy:
0.7969
85/750 [==>.....] - ETA: 0s - loss: 0.6689 - accuracy:
0.8632
170/750 [=====>.....] - ETA: 0s - loss: 0.6714 - accuracy:
0.8631
257/750 [=====>.....] - ETA: 0s - loss: 0.6744 - accuracy:
0.8610
340/750 [======>.....] - ETA: 0s - loss: 0.6699 - accuracy:
0.8617
429/750 [======>.....] - ETA: 0s - loss: 0.6689 - accuracy:
0.8620
513/750 [======>.....] - ETA: 0s - loss: 0.6681 - accuracy:
0.8628
599/750 [======>.....] - ETA: 0s - loss: 0.6664 - accuracy:
0.8630
684/750 [======>...] - ETA: 0s - loss: 0.6657 - accuracy:
0.8635
750/750 [=====] - 1s 721us/step - loss: 0.6671 - accuracy:
0.8630 - val_loss: 0.6950 - val_accuracy: 0.8512
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.5554 - accuracy:
0.9062
83/750 [==>.....] - ETA: 0s - loss: 0.6748 - accuracy:
0.8586
167/750 [=====>.....] - ETA: 0s - loss: 0.6634 - accuracy:
0.8627
254/750 [=====>.....] - ETA: 0s - loss: 0.6636 - accuracy:
0.8629
338/750 [======>.....] - ETA: 0s - loss: 0.6682 - accuracy:
0.8625
425/750 [======>.....] - ETA: 0s - loss: 0.6661 - accuracy:
0.8637
506/750 [======>.....] - ETA: 0s - loss: 0.6653 - accuracy:
0.8638
593/750 [======>.....] - ETA: 0s - loss: 0.6660 - accuracy:
0.8634
678/750 [======>...] - ETA: 0s - loss: 0.6654 - accuracy:
0.8635
750/750 [=====] - 1s 732us/step - loss: 0.6653 - accuracy:
0.8636 - val_loss: 0.6855 - val_accuracy: 0.8557
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.7200 - accuracy:
0.7969

80/750 [==>.....] - ETA: 0s - loss: 0.6641 - accuracy: 0.8611
164/750 [=====>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.8640
250/750 [=====>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.8654
334/750 [=====>.....] - ETA: 0s - loss: 0.6591 - accuracy: 0.8653
421/750 [=====>.....] - ETA: 0s - loss: 0.6574 - accuracy: 0.8658
504/750 [=====>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.8644
589/750 [=====>.....] - ETA: 0s - loss: 0.6610 - accuracy: 0.8644
676/750 [=====>...] - ETA: 0s - loss: 0.6624 - accuracy: 0.8640
750/750 [=====>] - 1s 730us/step - loss: 0.6636 - accuracy: 0.8637 - val_loss: 0.6864 - val_accuracy: 0.8535
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.7212 - accuracy: 0.8125
84/750 [==>.....] - ETA: 0s - loss: 0.6617 - accuracy: 0.8666
169/750 [=====>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.8663
253/750 [=====>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.8646
338/750 [=====>.....] - ETA: 0s - loss: 0.6593 - accuracy: 0.8644
426/750 [=====>.....] - ETA: 0s - loss: 0.6578 - accuracy: 0.8647
510/750 [=====>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.8642
595/750 [=====>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.8647
681/750 [=====>...] - ETA: 0s - loss: 0.6608 - accuracy: 0.8650
750/750 [=====>] - 1s 733us/step - loss: 0.6616 - accuracy: 0.8640 - val_loss: 0.6830 - val_accuracy: 0.8556
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.6791 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.8718
174/750 [=====>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.8670
259/750 [=====>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.8661

345/750 [=====>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.8666
429/750 [=====>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.8659
515/750 [=====>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.8644
601/750 [=====>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.8643
686/750 [=====>...] - ETA: 0s - loss: 0.6601 - accuracy: 0.8643
750/750 [=====] - 1s 728us/step - loss: 0.6601 - accuracy: 0.8645 - val_loss: 0.6804 - val_accuracy: 0.8562
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.7689 - accuracy: 0.8281
85/750 [==>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.8708
171/750 [=====>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.8684
255/750 [=====>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.8681
338/750 [=====>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.8679
422/750 [=====>.....] - ETA: 0s - loss: 0.6530 - accuracy: 0.8673
503/750 [=====>.....] - ETA: 0s - loss: 0.6554 - accuracy: 0.8664
590/750 [=====>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.8659
669/750 [=====>...] - ETA: 0s - loss: 0.6568 - accuracy: 0.8661
750/750 [=====] - 1s 728us/step - loss: 0.6577 - accuracy: 0.8653 - val_loss: 0.6804 - val_accuracy: 0.8572
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.6492 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.8675
176/750 [=====>.....] - ETA: 0s - loss: 0.6607 - accuracy: 0.8674
262/750 [=====>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.8656
350/750 [=====>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.8659
437/750 [=====>.....] - ETA: 0s - loss: 0.6604 - accuracy: 0.8646
525/750 [=====>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.8648

613/750 [=====>.....] - ETA: 0s - loss: 0.6593 - accuracy: 0.8650
699/750 [=====>...] - ETA: 0s - loss: 0.6577 - accuracy: 0.8652
750/750 [=====] - 1s 710us/step - loss: 0.6564 - accuracy: 0.8655 - val_loss: 0.6783 - val_accuracy: 0.8564
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.4840 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.8709
176/750 [=====>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.8675
259/750 [=====>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.8678
345/750 [=====>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.8684
430/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8673
516/750 [=====>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.8685
601/750 [=====>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.8666
686/750 [=====>...] - ETA: 0s - loss: 0.6530 - accuracy: 0.8665
750/750 [=====] - 1s 718us/step - loss: 0.6545 - accuracy: 0.8659 - val_loss: 0.6766 - val_accuracy: 0.8562
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.8125
87/750 [==>.....] - ETA: 0s - loss: 0.6426 - accuracy: 0.8698
175/750 [=====>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.8646
258/750 [=====>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.8662
346/750 [=====>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.8667
432/750 [=====>.....] - ETA: 0s - loss: 0.6552 - accuracy: 0.8674
519/750 [=====>.....] - ETA: 0s - loss: 0.6542 - accuracy: 0.8674
606/750 [=====>.....] - ETA: 0s - loss: 0.6504 - accuracy: 0.8683
691/750 [=====>...] - ETA: 0s - loss: 0.6515 - accuracy: 0.8674
750/750 [=====] - 1s 712us/step - loss: 0.6522 - accuracy: 0.8676 - val_loss: 0.6758 - val_accuracy: 0.8580

Epoch 84/220

```
1/750 [.....] - ETA: 0s - loss: 0.7051 - accuracy: 0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.6492 - accuracy: 0.8690
172/750 [====>.....] - ETA: 0s - loss: 0.6562 - accuracy: 0.8657
258/750 [=====>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.8659
343/750 [======>.....] - ETA: 0s - loss: 0.6591 - accuracy: 0.8658
429/750 [======>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.8673
514/750 [======>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.8687
599/750 [======>.....] - ETA: 0s - loss: 0.6525 - accuracy: 0.8675
685/750 [======>...] - ETA: 0s - loss: 0.6525 - accuracy: 0.8668
750/750 [=====] - 1s 721us/step - loss: 0.6510 - accuracy: 0.8667 - val_loss: 0.6756 - val_accuracy: 0.8568
Epoch 85/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6977 - accuracy: 0.8594
85/750 [==>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.8767
170/750 [====>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.8721
256/750 [=====>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.8704
342/750 [======>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.8687
428/750 [======>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.8678
510/750 [======>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8665
595/750 [======>.....] - ETA: 0s - loss: 0.6482 - accuracy: 0.8666
683/750 [======>...] - ETA: 0s - loss: 0.6486 - accuracy: 0.8664
750/750 [=====] - 1s 724us/step - loss: 0.6491 - accuracy: 0.8669 - val_loss: 0.6727 - val_accuracy: 0.8594
Epoch 86/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.8594
84/750 [==>.....] - ETA: 0s - loss: 0.6511 - accuracy: 0.8694
```

168/750 [====>.....] - ETA: 0s - loss: 0.6494 - accuracy: 0.8677
252/750 [=====>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.8689
332/750 [=====>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.8682
418/750 [=====>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.8675
502/750 [=====>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.8680
586/750 [=====>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.8679
667/750 [=====>....] - ETA: 0s - loss: 0.6464 - accuracy: 0.8679
746/750 [=====>.] - ETA: 0s - loss: 0.6473 - accuracy: 0.8676
750/750 [=====] - 1s 745us/step - loss: 0.6477 - accuracy: 0.8675 - val_loss: 0.6724 - val_accuracy: 0.8582
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.6549 - accuracy: 0.8750
84/750 [=>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.8703
167/750 [====>.....] - ETA: 0s - loss: 0.6468 - accuracy: 0.8666
252/750 [=====>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.8658
335/750 [=====>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.8685
420/750 [=====>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.8685
506/750 [=====>.....] - ETA: 0s - loss: 0.6457 - accuracy: 0.8677
591/750 [=====>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.8677
678/750 [=====>...] - ETA: 0s - loss: 0.6456 - accuracy: 0.8677
750/750 [=====] - 1s 729us/step - loss: 0.6454 - accuracy: 0.8678 - val_loss: 0.6698 - val_accuracy: 0.8585
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.7096 - accuracy: 0.8281
83/750 [=>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.8631
165/750 [====>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.8659
249/750 [=====>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.8654

332/750 [=====>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.8653
419/750 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8666
504/750 [=====>.....] - ETA: 0s - loss: 0.6457 - accuracy: 0.8674
586/750 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.8681
673/750 [=====>....] - ETA: 0s - loss: 0.6432 - accuracy: 0.8686
750/750 [=====] - 1s 729us/step - loss: 0.6440 - accuracy: 0.8684 - val_loss: 0.6693 - val_accuracy: 0.8577
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8438
83/750 [==>.....] - ETA: 0s - loss: 0.6509 - accuracy: 0.8628
167/750 [====>.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.8646
254/750 [=====>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.8658
338/750 [=====>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.8672
425/750 [=====>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.8676
508/750 [=====>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.8689
593/750 [=====>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.8688
674/750 [=====>....] - ETA: 0s - loss: 0.6437 - accuracy: 0.8690
750/750 [=====] - 1s 736us/step - loss: 0.6426 - accuracy: 0.8690 - val_loss: 0.6669 - val_accuracy: 0.8600
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8906
84/750 [==>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.8677
169/750 [====>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.8682
256/750 [=====>.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.8685
340/750 [=====>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.8679
425/750 [=====>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8684
510/750 [=====>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.8680

594/750 [=====>.....] - ETA: 0s - loss: 0.6441 - accuracy: 0.8680
679/750 [=====>...] - ETA: 0s - loss: 0.6407 - accuracy: 0.8687
750/750 [=====] - 1s 730us/step - loss: 0.6408 - accuracy: 0.8690 - val_loss: 0.6700 - val_accuracy: 0.8568
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8906
89/750 [==>.....] - ETA: 0s - loss: 0.6332 - accuracy: 0.8724
175/750 [=====>.....] - ETA: 0s - loss: 0.6426 - accuracy: 0.8689
263/750 [=====>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.8680
347/750 [=====>.....] - ETA: 0s - loss: 0.6450 - accuracy: 0.8677
434/750 [=====>.....] - ETA: 0s - loss: 0.6446 - accuracy: 0.8674
521/750 [=====>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8683
604/750 [=====>.....] - ETA: 0s - loss: 0.6412 - accuracy: 0.8683
689/750 [=====>...] - ETA: 0s - loss: 0.6420 - accuracy: 0.8685
750/750 [=====] - 1s 716us/step - loss: 0.6391 - accuracy: 0.8698 - val_loss: 0.6658 - val_accuracy: 0.8607
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.8748
173/750 [=====>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.8742
263/750 [=====>.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.8758
349/750 [=====>.....] - ETA: 0s - loss: 0.6335 - accuracy: 0.8731
434/750 [=====>.....] - ETA: 0s - loss: 0.6353 - accuracy: 0.8710
522/750 [=====>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.8716
606/750 [=====>.....] - ETA: 0s - loss: 0.6330 - accuracy: 0.8721
693/750 [=====>...] - ETA: 0s - loss: 0.6355 - accuracy: 0.8711
750/750 [=====] - 1s 716us/step - loss: 0.6375 - accuracy: 0.8706 - val_loss: 0.6645 - val_accuracy: 0.8606

Epoch 93/220

```
1/750 [.....] - ETA: 0s - loss: 0.7559 - accuracy:
0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.6271 - accuracy:
0.8739
176/750 [=====>.....] - ETA: 0s - loss: 0.6394 - accuracy:
0.8708
262/750 [=====>.....] - ETA: 0s - loss: 0.6387 - accuracy:
0.8701
348/750 [======>.....] - ETA: 0s - loss: 0.6399 - accuracy:
0.8700
433/750 [======>.....] - ETA: 0s - loss: 0.6369 - accuracy:
0.8706
521/750 [======>.....] - ETA: 0s - loss: 0.6390 - accuracy:
0.8693
605/750 [======>.....] - ETA: 0s - loss: 0.6374 - accuracy:
0.8704
691/750 [======>...] - ETA: 0s - loss: 0.6366 - accuracy:
0.8701
750/750 [=====] - 1s 714us/step - loss: 0.6357 - accuracy:
0.8707 - val_loss: 0.6630 - val_accuracy: 0.8628
Epoch 94/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6481 - accuracy:
0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.6401 - accuracy:
0.8763
174/750 [=====>.....] - ETA: 0s - loss: 0.6377 - accuracy:
0.8730
260/750 [=====>.....] - ETA: 0s - loss: 0.6371 - accuracy:
0.8717
346/750 [======>.....] - ETA: 0s - loss: 0.6363 - accuracy:
0.8731
433/750 [======>.....] - ETA: 0s - loss: 0.6358 - accuracy:
0.8718
511/750 [======>.....] - ETA: 0s - loss: 0.6361 - accuracy:
0.8712
588/750 [======>.....] - ETA: 0s - loss: 0.6346 - accuracy:
0.8712
670/750 [======>...] - ETA: 0s - loss: 0.6347 - accuracy:
0.8715
750/750 [=====] - 1s 741us/step - loss: 0.6343 - accuracy:
0.8714 - val_loss: 0.6620 - val_accuracy: 0.8608
Epoch 95/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7182 - accuracy:
0.8281
83/750 [==>.....] - ETA: 0s - loss: 0.6302 - accuracy:
0.8692
```

170/750 [====>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.8747
257/750 [=====>.....] - ETA: 0s - loss: 0.6221 - accuracy: 0.8749
342/750 [=====>.....] - ETA: 0s - loss: 0.6278 - accuracy: 0.8732
426/750 [=====>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.8729
511/750 [=====>.....] - ETA: 0s - loss: 0.6302 - accuracy: 0.8721
596/750 [=====>.....] - ETA: 0s - loss: 0.6309 - accuracy: 0.8717
682/750 [=====>...] - ETA: 0s - loss: 0.6316 - accuracy: 0.8715
750/750 [=====] - 1s 722us/step - loss: 0.6328 - accuracy: 0.8712 - val_loss: 0.6608 - val_accuracy: 0.8607
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.8780
173/750 [====>.....] - ETA: 0s - loss: 0.6262 - accuracy: 0.8726
262/750 [=====>.....] - ETA: 0s - loss: 0.6305 - accuracy: 0.8717
348/750 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.8709
432/750 [=====>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.8709
521/750 [=====>.....] - ETA: 0s - loss: 0.6303 - accuracy: 0.8721
607/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.8721
693/750 [=====>...] - ETA: 0s - loss: 0.6301 - accuracy: 0.8718
750/750 [=====] - 1s 713us/step - loss: 0.6312 - accuracy: 0.8714 - val_loss: 0.6584 - val_accuracy: 0.8608
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.5032 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.8695
173/750 [====>.....] - ETA: 0s - loss: 0.6285 - accuracy: 0.8727
260/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.8721
344/750 [=====>.....] - ETA: 0s - loss: 0.6347 - accuracy: 0.8701

429/750 [=====>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.8708
516/750 [=====>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.8710
603/750 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy: 0.8717
691/750 [=====>...] - ETA: 0s - loss: 0.6302 - accuracy: 0.8712
750/750 [=====] - 1s 716us/step - loss: 0.6300 - accuracy: 0.8716 - val_loss: 0.6569 - val_accuracy: 0.8647
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.4965 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.6225 - accuracy: 0.8745
171/750 [====>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.8736
259/750 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.8699
344/750 [=====>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.8709
429/750 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy: 0.8710
516/750 [=====>.....] - ETA: 0s - loss: 0.6285 - accuracy: 0.8713
602/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.8703
689/750 [=====>...] - ETA: 0s - loss: 0.6310 - accuracy: 0.8707
750/750 [=====] - 1s 716us/step - loss: 0.6282 - accuracy: 0.8719 - val_loss: 0.6562 - val_accuracy: 0.8645
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.7643 - accuracy: 0.9062
89/750 [==>.....] - ETA: 0s - loss: 0.6201 - accuracy: 0.8748
175/750 [====>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.8731
259/750 [=====>.....] - ETA: 0s - loss: 0.6254 - accuracy: 0.8720
347/750 [=====>.....] - ETA: 0s - loss: 0.6309 - accuracy: 0.8709
429/750 [=====>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.8734
515/750 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.8728
605/750 [=====>.....] - ETA: 0s - loss: 0.6279 - accuracy: 0.8729

689/750 [=====>...] - ETA: 0s - loss: 0.6267 - accuracy:
0.8733
750/750 [=====] - 1s 717us/step - loss: 0.6269 - accuracy:
0.8730 - val_loss: 0.6623 - val_accuracy: 0.8614
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.6093 - accuracy:
0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.6070 - accuracy:
0.8801
172/750 [====>.....] - ETA: 0s - loss: 0.6128 - accuracy:
0.8767
254/750 [=====>.....] - ETA: 0s - loss: 0.6179 - accuracy:
0.8738
340/750 [=====>.....] - ETA: 0s - loss: 0.6189 - accuracy:
0.8746
425/750 [=====>.....] - ETA: 0s - loss: 0.6239 - accuracy:
0.8731
513/750 [=====>.....] - ETA: 0s - loss: 0.6232 - accuracy:
0.8736
601/750 [=====>.....] - ETA: 0s - loss: 0.6223 - accuracy:
0.8741
688/750 [=====>...] - ETA: 0s - loss: 0.6240 - accuracy:
0.8733
750/750 [=====] - 1s 720us/step - loss: 0.6251 - accuracy:
0.8729 - val_loss: 0.6543 - val_accuracy: 0.8634
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.5588 - accuracy:
0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.6178 - accuracy:
0.8754
173/750 [====>.....] - ETA: 0s - loss: 0.6215 - accuracy:
0.8746
258/750 [=====>.....] - ETA: 0s - loss: 0.6252 - accuracy:
0.8737
344/750 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
0.8737
429/750 [=====>.....] - ETA: 0s - loss: 0.6282 - accuracy:
0.8729
515/750 [=====>.....] - ETA: 0s - loss: 0.6264 - accuracy:
0.8739
606/750 [=====>.....] - ETA: 0s - loss: 0.6254 - accuracy:
0.8735
689/750 [=====>...] - ETA: 0s - loss: 0.6249 - accuracy:
0.8734
750/750 [=====] - 1s 717us/step - loss: 0.6238 - accuracy:
0.8741 - val_loss: 0.6533 - val_accuracy: 0.8642
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.4786 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.6166 - accuracy: 0.8754
175/750 [=====>.....] - ETA: 0s - loss: 0.6162 - accuracy: 0.8766
262/750 [=====>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.8743
349/750 [======>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.8755
431/750 [======>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.8743
518/750 [======>.....] - ETA: 0s - loss: 0.6240 - accuracy: 0.8741
607/750 [======>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.8740
695/750 [======>...] - ETA: 0s - loss: 0.6227 - accuracy: 0.8738
750/750 [=====] - 1s 713us/step - loss: 0.6225 - accuracy: 0.8740 - val_loss: 0.6526 - val_accuracy: 0.8629
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.7969
85/750 [==>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.8783
172/750 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.8773
258/750 [=====>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.8755
347/750 [======>.....] - ETA: 0s - loss: 0.6152 - accuracy: 0.8759
433/750 [======>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.8750
518/750 [======>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.8758
604/750 [======>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.8763
693/750 [======>...] - ETA: 0s - loss: 0.6198 - accuracy: 0.8751
750/750 [=====] - 1s 713us/step - loss: 0.6207 - accuracy: 0.8745 - val_loss: 0.6510 - val_accuracy: 0.8649
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.9062
88/750 [==>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.8793
173/750 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.8732

261/750 [=====>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.8708
347/750 [=====>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.8736
436/750 [=====>.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.8740
522/750 [=====>.....] - ETA: 0s - loss: 0.6179 - accuracy: 0.8746
609/750 [=====>.....] - ETA: 0s - loss: 0.6194 - accuracy: 0.8743
696/750 [=====>...] - ETA: 0s - loss: 0.6191 - accuracy: 0.8747
750/750 [=====] - 1s 712us/step - loss: 0.6194 - accuracy: 0.8743 - val_loss: 0.6535 - val_accuracy: 0.8635
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.5339 - accuracy: 0.9062
82/750 [==>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.8798
170/750 [====>.....] - ETA: 0s - loss: 0.6087 - accuracy: 0.8807
255/750 [=====>.....] - ETA: 0s - loss: 0.6118 - accuracy: 0.8787
337/750 [=====>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.8758
421/750 [=====>.....] - ETA: 0s - loss: 0.6182 - accuracy: 0.8764
507/750 [=====>.....] - ETA: 0s - loss: 0.6179 - accuracy: 0.8757
594/750 [=====>.....] - ETA: 0s - loss: 0.6192 - accuracy: 0.8750
683/750 [=====>...] - ETA: 0s - loss: 0.6188 - accuracy: 0.8747
750/750 [=====] - 1s 726us/step - loss: 0.6180 - accuracy: 0.8749 - val_loss: 0.6503 - val_accuracy: 0.8631
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.6035 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.8770
171/750 [====>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.8739
258/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy: 0.8752
343/750 [=====>.....] - ETA: 0s - loss: 0.6182 - accuracy: 0.8743
428/750 [=====>.....] - ETA: 0s - loss: 0.6240 - accuracy: 0.8723

509/750 [=====>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.8736
591/750 [=====>.....] - ETA: 0s - loss: 0.6183 - accuracy: 0.8749
675/750 [=====>...] - ETA: 0s - loss: 0.6177 - accuracy: 0.8751
750/750 [=====] - 1s 740us/step - loss: 0.6168 - accuracy: 0.8755 - val_loss: 0.6454 - val_accuracy: 0.8664
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.8646
171/750 [====>.....] - ETA: 0s - loss: 0.6282 - accuracy: 0.8716
256/750 [=====>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.8745
337/750 [=====>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.8763
423/750 [=====>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.8751
506/750 [=====>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.8756
591/750 [=====>.....] - ETA: 0s - loss: 0.6161 - accuracy: 0.8761
679/750 [=====>...] - ETA: 0s - loss: 0.6162 - accuracy: 0.8760
750/750 [=====] - 1s 722us/step - loss: 0.6154 - accuracy: 0.8761 - val_loss: 0.6468 - val_accuracy: 0.8660
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.9062
82/750 [==>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.8750
163/750 [====>.....] - ETA: 0s - loss: 0.6186 - accuracy: 0.8758
244/750 [=====>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.8765
320/750 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.8763
404/750 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.8758
490/750 [=====>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.8746
577/750 [=====>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.8748
666/750 [=====>...] - ETA: 0s - loss: 0.6159 - accuracy: 0.8758

750/750 [=====] - ETA: 0s - loss: 0.6135 - accuracy:
0.8766
750/750 [=====] - 1s 733us/step - loss: 0.6135 - accuracy:
0.8766 - val_loss: 0.6464 - val_accuracy: 0.8641
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.7366 - accuracy:
0.8281
86/750 [==>.....] - ETA: 0s - loss: 0.6090 - accuracy:
0.8770
170/750 [====>.....] - ETA: 0s - loss: 0.6093 - accuracy:
0.8778
257/750 [=====>.....] - ETA: 0s - loss: 0.6058 - accuracy:
0.8794
341/750 [=====>.....] - ETA: 0s - loss: 0.6095 - accuracy:
0.8785
429/750 [=====>.....] - ETA: 0s - loss: 0.6133 - accuracy:
0.8772
516/750 [=====>.....] - ETA: 0s - loss: 0.6121 - accuracy:
0.8767
603/750 [=====>.....] - ETA: 0s - loss: 0.6111 - accuracy:
0.8767
692/750 [=====>...] - ETA: 0s - loss: 0.6130 - accuracy:
0.8764
750/750 [=====] - 1s 713us/step - loss: 0.6123 - accuracy:
0.8764 - val_loss: 0.6448 - val_accuracy: 0.8652
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.5265 - accuracy:
0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.5991 - accuracy:
0.8849
172/750 [====>.....] - ETA: 0s - loss: 0.6132 - accuracy:
0.8768
256/750 [=====>.....] - ETA: 0s - loss: 0.6135 - accuracy:
0.8787
330/750 [=====>.....] - ETA: 0s - loss: 0.6110 - accuracy:
0.8785
409/750 [=====>.....] - ETA: 0s - loss: 0.6138 - accuracy:
0.8775
490/750 [=====>.....] - ETA: 0s - loss: 0.6114 - accuracy:
0.8771
570/750 [=====>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8771
658/750 [=====>...] - ETA: 0s - loss: 0.6104 - accuracy:
0.8777
746/750 [=====>.] - ETA: 0s - loss: 0.6110 - accuracy:
0.8771
750/750 [=====] - 1s 736us/step - loss: 0.6110 - accuracy:
0.8770 - val_loss: 0.6517 - val_accuracy: 0.8611

Epoch 111/220

```
1/750 [.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.6157 - accuracy: 0.8741
173/750 [====>.....] - ETA: 0s - loss: 0.6073 - accuracy: 0.8764
258/750 [=====>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.8773
344/750 [======>.....] - ETA: 0s - loss: 0.6109 - accuracy: 0.8758
428/750 [======>.....] - ETA: 0s - loss: 0.6093 - accuracy: 0.8772
515/750 [======>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.8771
601/750 [======>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.8773
687/750 [======>...] - ETA: 0s - loss: 0.6093 - accuracy: 0.8766
750/750 [=====] - 1s 721us/step - loss: 0.6098 - accuracy: 0.8763 - val_loss: 0.6438 - val_accuracy: 0.8676
Epoch 112/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.8726
167/750 [====>.....] - ETA: 0s - loss: 0.6095 - accuracy: 0.8760
251/750 [=====>.....] - ETA: 0s - loss: 0.6138 - accuracy: 0.8743
332/750 [======>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.8748
410/750 [======>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8750
492/750 [======>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.8752
568/750 [======>.....] - ETA: 0s - loss: 0.6115 - accuracy: 0.8760
651/750 [======>...] - ETA: 0s - loss: 0.6084 - accuracy: 0.8768
738/750 [======>.] - ETA: 0s - loss: 0.6085 - accuracy: 0.8769
750/750 [=====] - 1s 748us/step - loss: 0.6084 - accuracy: 0.8770 - val_loss: 0.6399 - val_accuracy: 0.8666
Epoch 113/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8594
```

89/750 [==>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.8755
172/750 [=====>.....] - ETA: 0s - loss: 0.6101 - accuracy: 0.8765
259/750 [=====>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8760
347/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.8786
432/750 [=====>.....] - ETA: 0s - loss: 0.6070 - accuracy: 0.8791
519/750 [=====>.....] - ETA: 0s - loss: 0.6067 - accuracy: 0.8782
605/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.8776
690/750 [=====>...] - ETA: 0s - loss: 0.6069 - accuracy: 0.8783
750/750 [=====>] - 1s 714us/step - loss: 0.6069 - accuracy: 0.8779 - val_loss: 0.6434 - val_accuracy: 0.8624
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.4821 - accuracy: 0.9688
85/750 [==>.....] - ETA: 0s - loss: 0.6006 - accuracy: 0.8869
167/750 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.8801
253/750 [=====>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.8806
341/750 [=====>.....] - ETA: 0s - loss: 0.6049 - accuracy: 0.8805
427/750 [=====>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8792
514/750 [=====>.....] - ETA: 0s - loss: 0.6070 - accuracy: 0.8788
593/750 [=====>.....] - ETA: 0s - loss: 0.6073 - accuracy: 0.8783
672/750 [=====>...] - ETA: 0s - loss: 0.6070 - accuracy: 0.8782
750/750 [=====>] - 1s 734us/step - loss: 0.6060 - accuracy: 0.8785 - val_loss: 0.6399 - val_accuracy: 0.8668
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.6277 - accuracy: 0.8906
82/750 [==>.....] - ETA: 0s - loss: 0.5919 - accuracy: 0.8874
169/750 [=====>.....] - ETA: 0s - loss: 0.5998 - accuracy: 0.8828
258/750 [=====>.....] - ETA: 0s - loss: 0.5939 - accuracy: 0.8829

342/750 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.8813
429/750 [=====>.....] - ETA: 0s - loss: 0.6011 - accuracy: 0.8802
517/750 [=====>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.8798
602/750 [=====>.....] - ETA: 0s - loss: 0.6035 - accuracy: 0.8793
688/750 [=====>...] - ETA: 0s - loss: 0.6057 - accuracy: 0.8782
750/750 [=====] - 1s 718us/step - loss: 0.6046 - accuracy: 0.8783 - val_loss: 0.6414 - val_accuracy: 0.8641
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.8438
86/750 [==>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8815
171/750 [====>.....] - ETA: 0s - loss: 0.5977 - accuracy: 0.8816
257/750 [=====>.....] - ETA: 0s - loss: 0.6017 - accuracy: 0.8796
343/750 [=====>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.8782
429/750 [=====>.....] - ETA: 0s - loss: 0.6014 - accuracy: 0.8789
516/750 [=====>.....] - ETA: 0s - loss: 0.6037 - accuracy: 0.8780
598/750 [=====>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.8789
680/750 [=====>...] - ETA: 0s - loss: 0.6032 - accuracy: 0.8792
750/750 [=====] - 1s 728us/step - loss: 0.6035 - accuracy: 0.8791 - val_loss: 0.6361 - val_accuracy: 0.8685
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.6007 - accuracy: 0.8814
170/750 [====>.....] - ETA: 0s - loss: 0.5995 - accuracy: 0.8807
258/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8817
341/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8794
427/750 [=====>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.8796
514/750 [=====>.....] - ETA: 0s - loss: 0.6011 - accuracy: 0.8793

594/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8795
677/750 [=====>...] - ETA: 0s - loss: 0.6015 - accuracy: 0.8795
750/750 [=====] - 1s 725us/step - loss: 0.6019 - accuracy: 0.8795 - val_loss: 0.6418 - val_accuracy: 0.8652
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.6434 - accuracy: 0.8438
83/750 [==>.....] - ETA: 0s - loss: 0.6080 - accuracy: 0.8780
170/750 [====>.....] - ETA: 0s - loss: 0.6043 - accuracy: 0.8805
256/750 [=====>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8790
339/750 [=====>.....] - ETA: 0s - loss: 0.6047 - accuracy: 0.8779
425/750 [=====>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.8787
511/750 [=====>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.8797
597/750 [=====>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.8797
683/750 [=====>...] - ETA: 0s - loss: 0.6022 - accuracy: 0.8793
750/750 [=====] - 1s 722us/step - loss: 0.6006 - accuracy: 0.8796 - val_loss: 0.6450 - val_accuracy: 0.8636
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.4357 - accuracy: 0.9688
85/750 [==>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.8864
169/750 [====>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.8820
254/750 [=====>.....] - ETA: 0s - loss: 0.5978 - accuracy: 0.8804
337/750 [=====>.....] - ETA: 0s - loss: 0.5982 - accuracy: 0.8807
419/750 [=====>.....] - ETA: 0s - loss: 0.6000 - accuracy: 0.8802
505/750 [=====>.....] - ETA: 0s - loss: 0.5986 - accuracy: 0.8808
589/750 [=====>.....] - ETA: 0s - loss: 0.5996 - accuracy: 0.8805
669/750 [=====>...] - ETA: 0s - loss: 0.5981 - accuracy: 0.8812
750/750 [=====] - 1s 730us/step - loss: 0.5994 - accuracy: 0.8802 - val_loss: 0.6351 - val_accuracy: 0.8669

Epoch 120/220

```
1/750 [.....] - ETA: 0s - loss: 0.7132 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.6012 - accuracy: 0.8779
170/750 [====>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.8787
254/750 [=====>.....] - ETA: 0s - loss: 0.5996 - accuracy: 0.8800
339/750 [======>.....] - ETA: 0s - loss: 0.5992 - accuracy: 0.8805
424/750 [======>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.8800
514/750 [======>.....] - ETA: 0s - loss: 0.5995 - accuracy: 0.8798
600/750 [======>.....] - ETA: 0s - loss: 0.5997 - accuracy: 0.8795
689/750 [======>...] - ETA: 0s - loss: 0.5978 - accuracy: 0.8802
750/750 [=====] - 1s 716us/step - loss: 0.5980 - accuracy: 0.8805 - val_loss: 0.6394 - val_accuracy: 0.8652
Epoch 121/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.5949 - accuracy: 0.8804
174/750 [====>.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.8805
262/750 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.8800
346/750 [======>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.8805
432/750 [======>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.8804
519/750 [======>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8808
605/750 [======>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8807
690/750 [======>...] - ETA: 0s - loss: 0.5968 - accuracy: 0.8804
750/750 [=====] - 1s 716us/step - loss: 0.5968 - accuracy: 0.8806 - val_loss: 0.6335 - val_accuracy: 0.8678
Epoch 122/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.8798
```

174/750 [====>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.8854
260/750 [=====>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.8831
345/750 [=====>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.8820
429/750 [=====>.....] - ETA: 0s - loss: 0.5933 - accuracy: 0.8813
517/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.8798
599/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8800
684/750 [=====>...] - ETA: 0s - loss: 0.5959 - accuracy: 0.8805
750/750 [=====>] - 1s 722us/step - loss: 0.5959 - accuracy: 0.8807 - val_loss: 0.6313 - val_accuracy: 0.8690
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.8494 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.8801
166/750 [====>.....] - ETA: 0s - loss: 0.5963 - accuracy: 0.8829
251/750 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy: 0.8809
333/750 [=====>.....] - ETA: 0s - loss: 0.6005 - accuracy: 0.8800
413/750 [=====>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.8799
500/750 [=====>.....] - ETA: 0s - loss: 0.5977 - accuracy: 0.8803
584/750 [=====>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.8814
666/750 [=====>...] - ETA: 0s - loss: 0.5950 - accuracy: 0.8810
748/750 [=====>.] - ETA: 0s - loss: 0.5941 - accuracy: 0.8813
750/750 [=====>] - 1s 741us/step - loss: 0.5942 - accuracy: 0.8811 - val_loss: 0.6310 - val_accuracy: 0.8672
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.8125
86/750 [==>.....] - ETA: 0s - loss: 0.5873 - accuracy: 0.8824
170/750 [====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8787
259/750 [=====>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.8801

343/750 [=====>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.8788
428/750 [=====>.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.8811
516/750 [=====>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.8818
601/750 [=====>.....] - ETA: 0s - loss: 0.5913 - accuracy: 0.8820
686/750 [=====>...] - ETA: 0s - loss: 0.5929 - accuracy: 0.8818
750/750 [=====] - 1s 721us/step - loss: 0.5928 - accuracy: 0.8815 - val_loss: 0.6309 - val_accuracy: 0.8680
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.4315 - accuracy: 0.9531
84/750 [==>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.8884
169/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.8845
252/750 [=====>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.8824
336/750 [=====>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.8838
420/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8834
506/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8813
589/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.8826
675/750 [=====>...] - ETA: 0s - loss: 0.5915 - accuracy: 0.8818
750/750 [=====] - 1s 732us/step - loss: 0.5919 - accuracy: 0.8819 - val_loss: 0.6281 - val_accuracy: 0.8692
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.8281
88/750 [==>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8816
173/750 [=====>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.8816
260/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.8820
343/750 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.8809
426/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.8799
512/750 [=====>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.8807

596/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy:
0.8815
681/750 [=====>...] - ETA: 0s - loss: 0.5911 - accuracy:
0.8812
750/750 [=====] - 1s 728us/step - loss: 0.5903 - accuracy:
0.8813 - val_loss: 0.6282 - val_accuracy: 0.8692
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.5920 - accuracy:
0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.5856 - accuracy:
0.8856
169/750 [====>.....] - ETA: 0s - loss: 0.5845 - accuracy:
0.8840
249/750 [=====>.....] - ETA: 0s - loss: 0.5893 - accuracy:
0.8833
333/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
0.8852
417/750 [=====>.....] - ETA: 0s - loss: 0.5853 - accuracy:
0.8847
504/750 [=====>.....] - ETA: 0s - loss: 0.5858 - accuracy:
0.8841
587/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy:
0.8843
671/750 [=====>...] - ETA: 0s - loss: 0.5877 - accuracy:
0.8834
750/750 [=====] - 1s 732us/step - loss: 0.5895 - accuracy:
0.8822 - val_loss: 0.6268 - val_accuracy: 0.8703
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.6401 - accuracy:
0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5788 - accuracy:
0.8842
173/750 [====>.....] - ETA: 0s - loss: 0.5977 - accuracy:
0.8790
259/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy:
0.8792
343/750 [=====>.....] - ETA: 0s - loss: 0.5958 - accuracy:
0.8800
428/750 [=====>.....] - ETA: 0s - loss: 0.5907 - accuracy:
0.8818
515/750 [=====>.....] - ETA: 0s - loss: 0.5912 - accuracy:
0.8816
599/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy:
0.8814
684/750 [=====>...] - ETA: 0s - loss: 0.5893 - accuracy:
0.8826
750/750 [=====] - 1s 733us/step - loss: 0.5884 - accuracy:
0.8828 - val_loss: 0.6273 - val_accuracy: 0.8669

Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.8594
87/750 [==>.....] - ETA: 0s - loss: 0.5797 - accuracy: 0.8858
171/750 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.8821
255/750 [======>.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.8845
323/750 [======>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.8824
410/750 [======>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.8838
496/750 [======>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.8839
577/750 [======>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.8837
665/750 [======>....] - ETA: 0s - loss: 0.5861 - accuracy: 0.8831
748/750 [======>.] - ETA: 0s - loss: 0.5869 - accuracy: 0.8829
750/750 [=====] - 1s 738us/step - loss: 0.5871 - accuracy: 0.8829 - val_loss: 0.6262 - val_accuracy: 0.8669
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.8870
168/750 [=====>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.8866
253/750 [======>.....] - ETA: 0s - loss: 0.5766 - accuracy: 0.8864
337/750 [======>.....] - ETA: 0s - loss: 0.5783 - accuracy: 0.8860
422/750 [======>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.8848
505/750 [======>.....] - ETA: 0s - loss: 0.5815 - accuracy: 0.8856
589/750 [======>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.8842
671/750 [======>....] - ETA: 0s - loss: 0.5853 - accuracy: 0.8838
750/750 [=====] - 1s 733us/step - loss: 0.5855 - accuracy: 0.8832 - val_loss: 0.6307 - val_accuracy: 0.8675
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.5927 - accuracy: 0.9219

88/750 [==>.....] - ETA: 0s - loss: 0.5793 - accuracy: 0.8899
172/750 [=====>.....] - ETA: 0s - loss: 0.5798 - accuracy: 0.8878
256/750 [======>.....] - ETA: 0s - loss: 0.5807 - accuracy: 0.8867
343/750 [======>.....] - ETA: 0s - loss: 0.5809 - accuracy: 0.8861
427/750 [======>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.8865
514/750 [======>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.8855
596/750 [======>.....] - ETA: 0s - loss: 0.5828 - accuracy: 0.8848
681/750 [======>...] - ETA: 0s - loss: 0.5845 - accuracy: 0.8834
750/750 [=====] - 1s 726us/step - loss: 0.5844 - accuracy: 0.8835 - val_loss: 0.6253 - val_accuracy: 0.8698
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.5091 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.8790
171/750 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8823
253/750 [======>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.8841
335/750 [======>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.8833
410/750 [======>.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.8832
492/750 [======>.....] - ETA: 0s - loss: 0.5850 - accuracy: 0.8824
578/750 [======>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.8822
661/750 [======>...] - ETA: 0s - loss: 0.5834 - accuracy: 0.8830
746/750 [======>.] - ETA: 0s - loss: 0.5833 - accuracy: 0.8827
750/750 [=====] - 1s 742us/step - loss: 0.5835 - accuracy: 0.8826 - val_loss: 0.6247 - val_accuracy: 0.8690
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.7796 - accuracy: 0.7656
85/750 [==>.....] - ETA: 0s - loss: 0.5873 - accuracy: 0.8844
169/750 [=====>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.8834

255/750 [=====>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.8836
345/750 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.8838
430/750 [=====>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.8844
517/750 [=====>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8832
606/750 [=====>.....] - ETA: 0s - loss: 0.5835 - accuracy: 0.8836
691/750 [=====>...] - ETA: 0s - loss: 0.5829 - accuracy: 0.8837
750/750 [=====] - 1s 713us/step - loss: 0.5821 - accuracy: 0.8839 - val_loss: 0.6231 - val_accuracy: 0.8707
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.8798
170/750 [====>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.8825
253/750 [=====>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.8827
339/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.8838
424/750 [=====>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.8838
512/750 [=====>.....] - ETA: 0s - loss: 0.5802 - accuracy: 0.8846
599/750 [=====>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.8845
683/750 [=====>...] - ETA: 0s - loss: 0.5817 - accuracy: 0.8843
750/750 [=====] - 1s 718us/step - loss: 0.5812 - accuracy: 0.8842 - val_loss: 0.6209 - val_accuracy: 0.8699
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.5638 - accuracy: 0.8933
174/750 [====>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.8877
261/750 [=====>.....] - ETA: 0s - loss: 0.5683 - accuracy: 0.8886
350/750 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy: 0.8860
437/750 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.8863

522/750 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.8864
609/750 [=====>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.8862
695/750 [=====>...] - ETA: 0s - loss: 0.5790 - accuracy: 0.8848
750/750 [=====] - 1s 714us/step - loss: 0.5797 - accuracy: 0.8847 - val_loss: 0.6243 - val_accuracy: 0.8679
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.6190 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.8836
173/750 [====>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.8835
261/750 [=====>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.8862
348/750 [=====>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.8856
432/750 [=====>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.8856
517/750 [=====>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8854
604/750 [=====>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.8858
691/750 [=====>...] - ETA: 0s - loss: 0.5789 - accuracy: 0.8852
750/750 [=====] - 1s 716us/step - loss: 0.5789 - accuracy: 0.8846 - val_loss: 0.6206 - val_accuracy: 0.8699
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.4177 - accuracy: 0.9531
86/750 [==>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.8817
173/750 [====>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.8836
259/750 [=====>.....] - ETA: 0s - loss: 0.5747 - accuracy: 0.8850
347/750 [=====>.....] - ETA: 0s - loss: 0.5780 - accuracy: 0.8844
434/750 [=====>.....] - ETA: 0s - loss: 0.5791 - accuracy: 0.8838
520/750 [=====>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.8849
609/750 [=====>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.8851
694/750 [=====>...] - ETA: 0s - loss: 0.5777 - accuracy: 0.8843

750/750 [=====] - 1s 716us/step - loss: 0.5774 - accuracy: 0.8849 - val_loss: 0.6187 - val_accuracy: 0.8709
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.5757 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.8875
173/750 [=====>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.8868
260/750 [=====>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.8855
345/750 [======>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.8854
431/750 [======>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.8865
518/750 [======>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.8853
606/750 [======>.....] - ETA: 0s - loss: 0.5764 - accuracy: 0.8859
693/750 [======>...] - ETA: 0s - loss: 0.5753 - accuracy: 0.8861
750/750 [=====] - 1s 717us/step - loss: 0.5763 - accuracy: 0.8859 - val_loss: 0.6202 - val_accuracy: 0.8693
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.4411 - accuracy: 0.9688
86/750 [==>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.8832
172/750 [=====>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.8834
259/750 [=====>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.8832
346/750 [======>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.8849
433/750 [======>.....] - ETA: 0s - loss: 0.5766 - accuracy: 0.8854
518/750 [======>.....] - ETA: 0s - loss: 0.5757 - accuracy: 0.8860
607/750 [======>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.8853
663/750 [======>...] - ETA: 0s - loss: 0.5762 - accuracy: 0.8856
730/750 [======>.] - ETA: 0s - loss: 0.5751 - accuracy: 0.8860
750/750 [=====] - 1s 760us/step - loss: 0.5752 - accuracy: 0.8858 - val_loss: 0.6169 - val_accuracy: 0.8717
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.7213 - accuracy: 0.8281
82/750 [==>.....] - ETA: 0s - loss: 0.5764 - accuracy: 0.8843
168/750 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.8867
254/750 [=====>.....] - ETA: 0s - loss: 0.5754 - accuracy: 0.8858
340/750 [======>.....] - ETA: 0s - loss: 0.5786 - accuracy: 0.8845
423/750 [======>.....] - ETA: 0s - loss: 0.5783 - accuracy: 0.8849
508/750 [======>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8847
596/750 [======>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8855
679/750 [======>...] - ETA: 0s - loss: 0.5755 - accuracy: 0.8862
750/750 [=====] - 1s 725us/step - loss: 0.5742 - accuracy: 0.8864 - val_loss: 0.6190 - val_accuracy: 0.8670
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.8438
85/750 [==>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.8838
169/750 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy: 0.8876
245/750 [=====>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.8864
325/750 [======>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.8871
402/750 [======>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.8861
484/750 [======>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.8859
566/750 [======>.....] - ETA: 0s - loss: 0.5738 - accuracy: 0.8855
645/750 [======>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.8856
727/750 [======>.] - ETA: 0s - loss: 0.5720 - accuracy: 0.8862
750/750 [=====] - 1s 762us/step - loss: 0.5727 - accuracy: 0.8855 - val_loss: 0.6159 - val_accuracy: 0.8701
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.5302 - accuracy: 0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.8895

163/750 [====>.....] - ETA: 0s - loss: 0.5738 - accuracy: 0.8849
246/750 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy: 0.8888
330/750 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.8864
414/750 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.8865
497/750 [=====>.....] - ETA: 0s - loss: 0.5706 - accuracy: 0.8871
586/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8871
669/750 [=====>....] - ETA: 0s - loss: 0.5716 - accuracy: 0.8866
750/750 [=====>.....] - 1s 736us/step - loss: 0.5718 - accuracy: 0.8868 - val_loss: 0.6152 - val_accuracy: 0.8696
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.8438
86/750 [==>.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.8834
171/750 [====>.....] - ETA: 0s - loss: 0.5652 - accuracy: 0.8842
256/750 [=====>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8821
341/750 [=====>.....] - ETA: 0s - loss: 0.5735 - accuracy: 0.8831
426/750 [=====>.....] - ETA: 0s - loss: 0.5745 - accuracy: 0.8841
510/750 [=====>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.8847
592/750 [=====>.....] - ETA: 0s - loss: 0.5719 - accuracy: 0.8855
676/750 [=====>....] - ETA: 0s - loss: 0.5695 - accuracy: 0.8869
750/750 [=====>.....] - 1s 730us/step - loss: 0.5703 - accuracy: 0.8864 - val_loss: 0.6147 - val_accuracy: 0.8712
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.3888 - accuracy: 0.9688
84/750 [==>.....] - ETA: 0s - loss: 0.5788 - accuracy: 0.8878
166/750 [====>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.8866
250/750 [=====>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8875
338/750 [=====>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.8884

423/750 [=====>.....] - ETA: 0s - loss: 0.5712 - accuracy: 0.8877
510/750 [=====>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.8881
595/750 [=====>.....] - ETA: 0s - loss: 0.5714 - accuracy: 0.8873
679/750 [=====>...] - ETA: 0s - loss: 0.5704 - accuracy: 0.8871
750/750 [=====] - 1s 724us/step - loss: 0.5695 - accuracy: 0.8871 - val_loss: 0.6130 - val_accuracy: 0.8713
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.3989 - accuracy: 0.9375
85/750 [==>.....] - ETA: 0s - loss: 0.5699 - accuracy: 0.8877
167/750 [====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8899
252/750 [=====>.....] - ETA: 0s - loss: 0.5642 - accuracy: 0.8893
335/750 [=====>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8893
416/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.8880
501/750 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.8874
587/750 [=====>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.8877
669/750 [=====>...] - ETA: 0s - loss: 0.5669 - accuracy: 0.8877
750/750 [=====] - 1s 733us/step - loss: 0.5682 - accuracy: 0.8874 - val_loss: 0.6124 - val_accuracy: 0.8721
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.5371 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8810
173/750 [====>.....] - ETA: 0s - loss: 0.5709 - accuracy: 0.8883
257/750 [=====>.....] - ETA: 0s - loss: 0.5704 - accuracy: 0.8883
346/750 [=====>.....] - ETA: 0s - loss: 0.5684 - accuracy: 0.8895
430/750 [=====>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.8891
519/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.8892
604/750 [=====>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.8890

691/750 [=====>...] - ETA: 0s - loss: 0.5665 - accuracy: 0.8884
750/750 [=====] - 1s 713us/step - loss: 0.5671 - accuracy: 0.8880 - val_loss: 0.6105 - val_accuracy: 0.8717
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.5672 - accuracy: 0.8859
173/750 [====>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.8899
258/750 [=====>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.8897
346/750 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy: 0.8900
429/750 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy: 0.8884
519/750 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8885
607/750 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy: 0.8883
693/750 [=====>...] - ETA: 0s - loss: 0.5667 - accuracy: 0.8884
750/750 [=====] - 1s 714us/step - loss: 0.5661 - accuracy: 0.8888 - val_loss: 0.6144 - val_accuracy: 0.8693
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.8281
87/750 [==>.....] - ETA: 0s - loss: 0.5529 - accuracy: 0.8886
174/750 [====>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.8916
258/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8913
344/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8911
424/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.8907
506/750 [=====>.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.8891
589/750 [=====>.....] - ETA: 0s - loss: 0.5622 - accuracy: 0.8887
674/750 [=====>...] - ETA: 0s - loss: 0.5647 - accuracy: 0.8881
750/750 [=====] - 1s 730us/step - loss: 0.5649 - accuracy: 0.8876 - val_loss: 0.6101 - val_accuracy: 0.8714
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.5306 - accuracy: 0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.5655 - accuracy: 0.8882
168/750 [====>.....] - ETA: 0s - loss: 0.5754 - accuracy: 0.8829
250/750 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.8857
337/750 [======>.....] - ETA: 0s - loss: 0.5639 - accuracy: 0.8881
419/750 [======>.....] - ETA: 0s - loss: 0.5645 - accuracy: 0.8875
502/750 [======>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.8890
588/750 [======>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8891
673/750 [======>....] - ETA: 0s - loss: 0.5636 - accuracy: 0.8885
750/750 [=====] - 1s 734us/step - loss: 0.5641 - accuracy: 0.8884 - val_loss: 0.6103 - val_accuracy: 0.8723
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.5333 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.8901
174/750 [====>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8900
257/750 [=====>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.8870
336/750 [======>.....] - ETA: 0s - loss: 0.5665 - accuracy: 0.8878
422/750 [======>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.8873
509/750 [======>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8874
595/750 [======>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.8882
682/750 [======>....] - ETA: 0s - loss: 0.5627 - accuracy: 0.8880
750/750 [=====] - 1s 725us/step - loss: 0.5631 - accuracy: 0.8883 - val_loss: 0.6107 - val_accuracy: 0.8712
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.8906
84/750 [==>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.8943
167/750 [====>.....] - ETA: 0s - loss: 0.5491 - accuracy: 0.8961

255/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8904
342/750 [=====>.....] - ETA: 0s - loss: 0.5575 - accuracy: 0.8921
428/750 [=====>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.8920
514/750 [=====>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.8909
603/750 [=====>.....] - ETA: 0s - loss: 0.5601 - accuracy: 0.8901
686/750 [=====>...] - ETA: 0s - loss: 0.5605 - accuracy: 0.8901
750/750 [=====] - 1s 717us/step - loss: 0.5613 - accuracy: 0.8895 - val_loss: 0.6139 - val_accuracy: 0.8677
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.6083 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.5586 - accuracy: 0.8894
171/750 [====>.....] - ETA: 0s - loss: 0.5627 - accuracy: 0.8900
259/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.8887
346/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.8905
432/750 [=====>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8903
519/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8904
606/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8900
690/750 [=====>...] - ETA: 0s - loss: 0.5619 - accuracy: 0.8894
750/750 [=====] - 1s 716us/step - loss: 0.5610 - accuracy: 0.8895 - val_loss: 0.6074 - val_accuracy: 0.8716
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.8438
89/750 [==>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.8869
174/750 [====>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.8867
257/750 [=====>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8878
342/750 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.8868
431/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8877

517/750 [=====>.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.8885
604/750 [=====>.....] - ETA: 0s - loss: 0.5617 - accuracy: 0.8879
690/750 [=====>...] - ETA: 0s - loss: 0.5612 - accuracy: 0.8886
750/750 [=====] - 1s 722us/step - loss: 0.5599 - accuracy: 0.8889 - val_loss: 0.6070 - val_accuracy: 0.8731
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8923
174/750 [====>.....] - ETA: 0s - loss: 0.5511 - accuracy: 0.8927
259/750 [=====>.....] - ETA: 0s - loss: 0.5552 - accuracy: 0.8913
347/750 [=====>.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8900
433/750 [=====>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.8902
519/750 [=====>.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8891
608/750 [=====>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.8885
693/750 [=====>...] - ETA: 0s - loss: 0.5583 - accuracy: 0.8886
750/750 [=====] - 1s 714us/step - loss: 0.5589 - accuracy: 0.8885 - val_loss: 0.6054 - val_accuracy: 0.8708
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.8594
84/750 [==>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8884
174/750 [====>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.8910
259/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8913
345/750 [=====>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.8921
432/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy: 0.8911
516/750 [=====>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.8893
604/750 [=====>.....] - ETA: 0s - loss: 0.5572 - accuracy: 0.8897
688/750 [=====>...] - ETA: 0s - loss: 0.5586 - accuracy: 0.8895

750/750 [=====] - 1s 716us/step - loss: 0.5574 - accuracy: 0.8901 - val_loss: 0.6060 - val_accuracy: 0.8723
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.5486 - accuracy: 0.8932
173/750 [=====>.....] - ETA: 0s - loss: 0.5554 - accuracy: 0.8883
259/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy: 0.8895
345/750 [======>.....] - ETA: 0s - loss: 0.5530 - accuracy: 0.8896
432/750 [======>.....] - ETA: 0s - loss: 0.5562 - accuracy: 0.8885
518/750 [======>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.8888
604/750 [======>.....] - ETA: 0s - loss: 0.5581 - accuracy: 0.8888
689/750 [======>...] - ETA: 0s - loss: 0.5581 - accuracy: 0.8892
750/750 [=====] - 1s 716us/step - loss: 0.5571 - accuracy: 0.8892 - val_loss: 0.6057 - val_accuracy: 0.8707
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.4901 - accuracy: 0.9219
84/750 [==>.....] - ETA: 0s - loss: 0.5610 - accuracy: 0.8906
173/750 [=====>.....] - ETA: 0s - loss: 0.5643 - accuracy: 0.8885
260/750 [=====>.....] - ETA: 0s - loss: 0.5646 - accuracy: 0.8882
345/750 [======>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8892
433/750 [======>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8890
520/750 [======>.....] - ETA: 0s - loss: 0.5586 - accuracy: 0.8892
605/750 [======>.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.8905
693/750 [======>...] - ETA: 0s - loss: 0.5547 - accuracy: 0.8904
750/750 [=====] - 1s 712us/step - loss: 0.5553 - accuracy: 0.8903 - val_loss: 0.6052 - val_accuracy: 0.8707
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8594

84/750 [==>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.8828
172/750 [=====>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8850
259/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.8879
344/750 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy: 0.8865
432/750 [=====>.....] - ETA: 0s - loss: 0.5593 - accuracy: 0.8870
521/750 [=====>.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.8891
603/750 [=====>.....] - ETA: 0s - loss: 0.5545 - accuracy: 0.8901
689/750 [=====>...] - ETA: 0s - loss: 0.5544 - accuracy: 0.8904
750/750 [=====>] - 1s 717us/step - loss: 0.5544 - accuracy: 0.8903 - val_loss: 0.6043 - val_accuracy: 0.8728
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.4539 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.5437 - accuracy: 0.8917
170/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8931
257/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8939
339/750 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy: 0.8924
425/750 [=====>.....] - ETA: 0s - loss: 0.5517 - accuracy: 0.8909
513/750 [=====>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.8904
595/750 [=====>.....] - ETA: 0s - loss: 0.5558 - accuracy: 0.8896
681/750 [=====>...] - ETA: 0s - loss: 0.5539 - accuracy: 0.8902
750/750 [=====>] - 1s 722us/step - loss: 0.5537 - accuracy: 0.8899 - val_loss: 0.6024 - val_accuracy: 0.8713
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.4476 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.5500 - accuracy: 0.8899
171/750 [=====>.....] - ETA: 0s - loss: 0.5495 - accuracy: 0.8906
255/750 [=====>.....] - ETA: 0s - loss: 0.5448 - accuracy: 0.8930

340/750 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy: 0.8923
423/750 [=====>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.8916
510/750 [=====>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.8914
587/750 [=====>.....] - ETA: 0s - loss: 0.5533 - accuracy: 0.8910
666/750 [=====>....] - ETA: 0s - loss: 0.5538 - accuracy: 0.8913
750/750 [=====] - 1s 740us/step - loss: 0.5527 - accuracy: 0.8911 - val_loss: 0.6006 - val_accuracy: 0.8731
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.5004 - accuracy: 0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.8878
174/750 [====>.....] - ETA: 0s - loss: 0.5511 - accuracy: 0.8910
260/750 [=====>.....] - ETA: 0s - loss: 0.5473 - accuracy: 0.8928
348/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8933
434/750 [=====>.....] - ETA: 0s - loss: 0.5490 - accuracy: 0.8926
521/750 [=====>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.8915
607/750 [=====>.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.8910
691/750 [=====>....] - ETA: 0s - loss: 0.5520 - accuracy: 0.8906
750/750 [=====] - 1s 712us/step - loss: 0.5513 - accuracy: 0.8915 - val_loss: 0.6062 - val_accuracy: 0.8701
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.9062
85/750 [==>.....] - ETA: 0s - loss: 0.5460 - accuracy: 0.8936
172/750 [====>.....] - ETA: 0s - loss: 0.5468 - accuracy: 0.8927
255/750 [=====>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.8925
341/750 [=====>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.8925
426/750 [=====>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.8933
512/750 [=====>.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.8922

600/750 [=====>.....] - ETA: 0s - loss: 0.5509 - accuracy:
0.8908
684/750 [=====>...] - ETA: 0s - loss: 0.5514 - accuracy:
0.8908
750/750 [=====] - 1s 717us/step - loss: 0.5505 - accuracy:
0.8911 - val_loss: 0.6126 - val_accuracy: 0.8670
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.4591 - accuracy:
0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.5454 - accuracy:
0.8928
173/750 [====>.....] - ETA: 0s - loss: 0.5486 - accuracy:
0.8924
258/750 [=====>.....] - ETA: 0s - loss: 0.5497 - accuracy:
0.8914
346/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8907
435/750 [=====>.....] - ETA: 0s - loss: 0.5491 - accuracy:
0.8912
522/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy:
0.8919
609/750 [=====>.....] - ETA: 0s - loss: 0.5495 - accuracy:
0.8916
697/750 [=====>...] - ETA: 0s - loss: 0.5482 - accuracy:
0.8925
750/750 [=====] - 1s 712us/step - loss: 0.5494 - accuracy:
0.8923 - val_loss: 0.6079 - val_accuracy: 0.8673
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.4480 - accuracy:
0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.5409 - accuracy:
0.8951
174/750 [====>.....] - ETA: 0s - loss: 0.5472 - accuracy:
0.8918
257/750 [=====>.....] - ETA: 0s - loss: 0.5518 - accuracy:
0.8898
344/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy:
0.8909
433/750 [=====>.....] - ETA: 0s - loss: 0.5545 - accuracy:
0.8909
518/750 [=====>.....] - ETA: 0s - loss: 0.5508 - accuracy:
0.8916
605/750 [=====>.....] - ETA: 0s - loss: 0.5503 - accuracy:
0.8917
692/750 [=====>...] - ETA: 0s - loss: 0.5499 - accuracy:
0.8919
750/750 [=====] - 1s 713us/step - loss: 0.5487 - accuracy:
0.8920 - val_loss: 0.6042 - val_accuracy: 0.8711

Epoch 165/220

```
1/750 [.....] - ETA: 0s - loss: 0.5744 - accuracy:
0.8438
86/750 [==>.....] - ETA: 0s - loss: 0.5490 - accuracy:
0.8952
173/750 [=====>.....] - ETA: 0s - loss: 0.5501 - accuracy:
0.8930
257/750 [======>.....] - ETA: 0s - loss: 0.5557 - accuracy:
0.8902
343/750 [======>.....] - ETA: 0s - loss: 0.5531 - accuracy:
0.8916
432/750 [======>.....] - ETA: 0s - loss: 0.5516 - accuracy:
0.8917
517/750 [======>.....] - ETA: 0s - loss: 0.5517 - accuracy:
0.8903
603/750 [======>.....] - ETA: 0s - loss: 0.5494 - accuracy:
0.8908
689/750 [======>...] - ETA: 0s - loss: 0.5489 - accuracy:
0.8915
750/750 [=====] - 1s 713us/step - loss: 0.5472 - accuracy:
0.8919 - val_loss: 0.5977 - val_accuracy: 0.8736
Epoch 166/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6615 - accuracy:
0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.5543 - accuracy:
0.8908
170/750 [=====>.....] - ETA: 0s - loss: 0.5477 - accuracy:
0.8934
254/750 [======>.....] - ETA: 0s - loss: 0.5514 - accuracy:
0.8913
343/750 [======>.....] - ETA: 0s - loss: 0.5547 - accuracy:
0.8904
428/750 [======>.....] - ETA: 0s - loss: 0.5541 - accuracy:
0.8902
514/750 [======>.....] - ETA: 0s - loss: 0.5530 - accuracy:
0.8901
596/750 [======>.....] - ETA: 0s - loss: 0.5526 - accuracy:
0.8903
684/750 [======>...] - ETA: 0s - loss: 0.5495 - accuracy:
0.8917
750/750 [=====] - 1s 722us/step - loss: 0.5469 - accuracy:
0.8923 - val_loss: 0.5983 - val_accuracy: 0.8718
Epoch 167/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5527 - accuracy:
0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.5527 - accuracy:
0.8888
```

170/750 [====>.....] - ETA: 0s - loss: 0.5410 - accuracy: 0.8938
259/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.8930
344/750 [=====>.....] - ETA: 0s - loss: 0.5428 - accuracy: 0.8928
430/750 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.8924
517/750 [=====>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.8930
603/750 [=====>.....] - ETA: 0s - loss: 0.5409 - accuracy: 0.8939
691/750 [=====>...] - ETA: 0s - loss: 0.5429 - accuracy: 0.8934
750/750 [=====] - 1s 717us/step - loss: 0.5455 - accuracy: 0.8925 - val_loss: 0.6009 - val_accuracy: 0.8699
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.8750
88/750 [==>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8931
172/750 [====>.....] - ETA: 0s - loss: 0.5438 - accuracy: 0.8926
258/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.8917
344/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.8918
429/750 [=====>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.8912
515/750 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy: 0.8915
601/750 [=====>.....] - ETA: 0s - loss: 0.5437 - accuracy: 0.8918
688/750 [=====>...] - ETA: 0s - loss: 0.5450 - accuracy: 0.8916
750/750 [=====] - 1s 714us/step - loss: 0.5448 - accuracy: 0.8923 - val_loss: 0.5974 - val_accuracy: 0.8730
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.8906
90/750 [==>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8863
175/750 [====>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.8898
261/750 [=====>.....] - ETA: 0s - loss: 0.5502 - accuracy: 0.8891
348/750 [=====>.....] - ETA: 0s - loss: 0.5513 - accuracy: 0.8879

435/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.8908
522/750 [=====>.....] - ETA: 0s - loss: 0.5460 - accuracy: 0.8916
606/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy: 0.8920
692/750 [=====>...] - ETA: 0s - loss: 0.5449 - accuracy: 0.8923
750/750 [=====] - 1s 714us/step - loss: 0.5431 - accuracy: 0.8932 - val_loss: 0.6013 - val_accuracy: 0.8701
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.5821 - accuracy: 0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.8923
171/750 [=====>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.8939
259/750 [=====>.....] - ETA: 0s - loss: 0.5412 - accuracy: 0.8930
346/750 [=====>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.8951
431/750 [=====>.....] - ETA: 0s - loss: 0.5416 - accuracy: 0.8947
517/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.8941
605/750 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.8932
689/750 [=====>...] - ETA: 0s - loss: 0.5427 - accuracy: 0.8932
750/750 [=====] - 1s 716us/step - loss: 0.5425 - accuracy: 0.8933 - val_loss: 0.5993 - val_accuracy: 0.8723
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.8750
85/750 [==>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.8960
175/750 [=====>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.8969
261/750 [=====>.....] - ETA: 0s - loss: 0.5423 - accuracy: 0.8927
351/750 [=====>.....] - ETA: 0s - loss: 0.5432 - accuracy: 0.8927
436/750 [=====>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.8923
520/750 [=====>.....] - ETA: 0s - loss: 0.5422 - accuracy: 0.8933
608/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.8926

690/750 [=====>...] - ETA: 0s - loss: 0.5415 - accuracy:
0.8936
750/750 [=====] - 1s 722us/step - loss: 0.5423 - accuracy:
0.8931 - val_loss: 0.5954 - val_accuracy: 0.8726
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.6934 - accuracy:
0.8125
85/750 [==>.....] - ETA: 0s - loss: 0.5292 - accuracy:
0.8974
166/750 [====>.....] - ETA: 0s - loss: 0.5315 - accuracy:
0.8964
253/750 [=====>.....] - ETA: 0s - loss: 0.5350 - accuracy:
0.8965
341/750 [=====>.....] - ETA: 0s - loss: 0.5402 - accuracy:
0.8951
426/750 [=====>.....] - ETA: 0s - loss: 0.5429 - accuracy:
0.8933
512/750 [=====>.....] - ETA: 0s - loss: 0.5421 - accuracy:
0.8933
600/750 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy:
0.8932
685/750 [=====>...] - ETA: 0s - loss: 0.5417 - accuracy:
0.8938
750/750 [=====] - 1s 718us/step - loss: 0.5412 - accuracy:
0.8939 - val_loss: 0.5951 - val_accuracy: 0.8730
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.6125 - accuracy:
0.8750
86/750 [==>.....] - ETA: 0s - loss: 0.5266 - accuracy:
0.9004
174/750 [====>.....] - ETA: 0s - loss: 0.5315 - accuracy:
0.8990
257/750 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.8965
345/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy:
0.8951
431/750 [=====>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.8951
514/750 [=====>.....] - ETA: 0s - loss: 0.5384 - accuracy:
0.8952
601/750 [=====>.....] - ETA: 0s - loss: 0.5408 - accuracy:
0.8936
685/750 [=====>...] - ETA: 0s - loss: 0.5406 - accuracy:
0.8937
750/750 [=====] - 1s 718us/step - loss: 0.5396 - accuracy:
0.8937 - val_loss: 0.5953 - val_accuracy: 0.8745
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.5790 - accuracy: 0.8594
85/750 [==>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.8923
174/750 [=====>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.8963
259/750 [======>.....] - ETA: 0s - loss: 0.5405 - accuracy: 0.8939
345/750 [======>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.8941
431/750 [======>.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.8937
518/750 [======>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.8950
606/750 [======>.....] - ETA: 0s - loss: 0.5361 - accuracy: 0.8956
691/750 [======>...] - ETA: 0s - loss: 0.5386 - accuracy: 0.8949
750/750 [=====] - 1s 713us/step - loss: 0.5395 - accuracy: 0.8946 - val_loss: 0.5981 - val_accuracy: 0.8736
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.4966 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.8967
174/750 [=====>.....] - ETA: 0s - loss: 0.5297 - accuracy: 0.8960
258/750 [======>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.8963
343/750 [======>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8966
430/750 [======>.....] - ETA: 0s - loss: 0.5299 - accuracy: 0.8965
513/750 [======>.....] - ETA: 0s - loss: 0.5337 - accuracy: 0.8952
599/750 [======>.....] - ETA: 0s - loss: 0.5359 - accuracy: 0.8942
688/750 [======>...] - ETA: 0s - loss: 0.5376 - accuracy: 0.8939
750/750 [=====] - 1s 716us/step - loss: 0.5381 - accuracy: 0.8940 - val_loss: 0.5937 - val_accuracy: 0.8717
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.8932
173/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.8951

263/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy: 0.8967
349/750 [=====>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.8958
436/750 [=====>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8955
524/750 [=====>.....] - ETA: 0s - loss: 0.5350 - accuracy: 0.8960
610/750 [=====>.....] - ETA: 0s - loss: 0.5350 - accuracy: 0.8959
696/750 [=====>...] - ETA: 0s - loss: 0.5364 - accuracy: 0.8956
750/750 [=====] - 1s 712us/step - loss: 0.5373 - accuracy: 0.8953 - val_loss: 0.5934 - val_accuracy: 0.8724
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.4464 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.8906
170/750 [====>.....] - ETA: 0s - loss: 0.5368 - accuracy: 0.8926
256/750 [=====>.....] - ETA: 0s - loss: 0.5373 - accuracy: 0.8947
341/750 [=====>.....] - ETA: 0s - loss: 0.5372 - accuracy: 0.8945
425/750 [=====>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.8958
511/750 [=====>.....] - ETA: 0s - loss: 0.5365 - accuracy: 0.8950
595/750 [=====>.....] - ETA: 0s - loss: 0.5373 - accuracy: 0.8945
679/750 [=====>...] - ETA: 0s - loss: 0.5362 - accuracy: 0.8944
750/750 [=====] - 1s 722us/step - loss: 0.5357 - accuracy: 0.8948 - val_loss: 0.5926 - val_accuracy: 0.8730
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.3675 - accuracy: 0.9688
89/750 [==>.....] - ETA: 0s - loss: 0.5247 - accuracy: 0.8987
173/750 [====>.....] - ETA: 0s - loss: 0.5289 - accuracy: 0.8982
262/750 [=====>.....] - ETA: 0s - loss: 0.5306 - accuracy: 0.8969
345/750 [=====>.....] - ETA: 0s - loss: 0.5349 - accuracy: 0.8957
434/750 [=====>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.8962

520/750 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy: 0.8960
605/750 [=====>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.8955
692/750 [=====>...] - ETA: 0s - loss: 0.5339 - accuracy: 0.8958
750/750 [=====] - 1s 716us/step - loss: 0.5354 - accuracy: 0.8953 - val_loss: 0.5946 - val_accuracy: 0.8730
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.4572 - accuracy: 0.9375
88/750 [==>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.8965
172/750 [====>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.8950
258/750 [=====>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.8955
341/750 [=====>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.8924
419/750 [=====>.....] - ETA: 0s - loss: 0.5355 - accuracy: 0.8932
507/750 [=====>.....] - ETA: 0s - loss: 0.5349 - accuracy: 0.8936
589/750 [=====>.....] - ETA: 0s - loss: 0.5353 - accuracy: 0.8941
676/750 [=====>...] - ETA: 0s - loss: 0.5359 - accuracy: 0.8935
750/750 [=====] - 1s 724us/step - loss: 0.5341 - accuracy: 0.8942 - val_loss: 0.5930 - val_accuracy: 0.8733
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.4780 - accuracy: 0.9375
87/750 [==>.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.9034
172/750 [====>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8966
259/750 [=====>.....] - ETA: 0s - loss: 0.5315 - accuracy: 0.8958
349/750 [=====>.....] - ETA: 0s - loss: 0.5327 - accuracy: 0.8954
435/750 [=====>.....] - ETA: 0s - loss: 0.5304 - accuracy: 0.8963
521/750 [=====>.....] - ETA: 0s - loss: 0.5324 - accuracy: 0.8954
608/750 [=====>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.8966
695/750 [=====>...] - ETA: 0s - loss: 0.5325 - accuracy: 0.8960

750/750 [=====] - 1s 714us/step - loss: 0.5334 - accuracy: 0.8962 - val_loss: 0.5908 - val_accuracy: 0.8732
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.8125
86/750 [==>.....] - ETA: 0s - loss: 0.5252 - accuracy: 0.8972
169/750 [=====>.....] - ETA: 0s - loss: 0.5239 - accuracy: 0.8972
255/750 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy: 0.8990
340/750 [======>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.8979
424/750 [======>.....] - ETA: 0s - loss: 0.5285 - accuracy: 0.8981
510/750 [======>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8980
598/750 [======>.....] - ETA: 0s - loss: 0.5320 - accuracy: 0.8969
683/750 [======>...] - ETA: 0s - loss: 0.5321 - accuracy: 0.8963
750/750 [=====] - 1s 721us/step - loss: 0.5320 - accuracy: 0.8961 - val_loss: 0.5899 - val_accuracy: 0.8743
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.5055 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5319 - accuracy: 0.8933
174/750 [=====>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.8939
262/750 [=====>.....] - ETA: 0s - loss: 0.5325 - accuracy: 0.8945
348/750 [======>.....] - ETA: 0s - loss: 0.5319 - accuracy: 0.8947
432/750 [======>.....] - ETA: 0s - loss: 0.5333 - accuracy: 0.8939
518/750 [======>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.8951
606/750 [======>.....] - ETA: 0s - loss: 0.5313 - accuracy: 0.8961
691/750 [======>...] - ETA: 0s - loss: 0.5303 - accuracy: 0.8963
750/750 [=====] - 1s 717us/step - loss: 0.5317 - accuracy: 0.8963 - val_loss: 0.5928 - val_accuracy: 0.8720
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.5293 - accuracy: 0.9219

85/750 [==>.....] - ETA: 0s - loss: 0.5166 - accuracy: 0.9035
171/750 [=====>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.8991
256/750 [=====>.....] - ETA: 0s - loss: 0.5220 - accuracy: 0.8986
342/750 [=====>.....] - ETA: 0s - loss: 0.5217 - accuracy: 0.8984
428/750 [=====>.....] - ETA: 0s - loss: 0.5249 - accuracy: 0.8975
515/750 [=====>.....] - ETA: 0s - loss: 0.5257 - accuracy: 0.8975
602/750 [=====>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.8977
689/750 [=====>...] - ETA: 0s - loss: 0.5285 - accuracy: 0.8967
750/750 [=====>] - 1s 721us/step - loss: 0.5308 - accuracy: 0.8957 - val_loss: 0.5877 - val_accuracy: 0.8736
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.4723 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.8994
176/750 [=====>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.8989
260/750 [=====>.....] - ETA: 0s - loss: 0.5220 - accuracy: 0.8984
346/750 [=====>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.8962
434/750 [=====>.....] - ETA: 0s - loss: 0.5270 - accuracy: 0.8969
521/750 [=====>.....] - ETA: 0s - loss: 0.5266 - accuracy: 0.8975
606/750 [=====>.....] - ETA: 0s - loss: 0.5265 - accuracy: 0.8980
692/750 [=====>...] - ETA: 0s - loss: 0.5287 - accuracy: 0.8972
750/750 [=====>] - 1s 718us/step - loss: 0.5300 - accuracy: 0.8965 - val_loss: 0.5907 - val_accuracy: 0.8725
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.8594
85/750 [==>.....] - ETA: 0s - loss: 0.5221 - accuracy: 0.8996
175/750 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy: 0.9013
260/750 [=====>.....] - ETA: 0s - loss: 0.5231 - accuracy: 0.8997

347/750 [=====>.....] - ETA: 0s - loss: 0.5247 - accuracy: 0.8985
436/750 [=====>.....] - ETA: 0s - loss: 0.5232 - accuracy: 0.8995
521/750 [=====>.....] - ETA: 0s - loss: 0.5271 - accuracy: 0.8979
610/750 [=====>.....] - ETA: 0s - loss: 0.5271 - accuracy: 0.8972
697/750 [=====>...] - ETA: 0s - loss: 0.5272 - accuracy: 0.8973
750/750 [=====] - 1s 709us/step - loss: 0.5291 - accuracy: 0.8966 - val_loss: 0.5895 - val_accuracy: 0.8741
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.4531 - accuracy: 0.9062
86/750 [==>.....] - ETA: 0s - loss: 0.5340 - accuracy: 0.8961
173/750 [====>.....] - ETA: 0s - loss: 0.5272 - accuracy: 0.8983
261/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.8994
347/750 [=====>.....] - ETA: 0s - loss: 0.5288 - accuracy: 0.8983
435/750 [=====>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8981
521/750 [=====>.....] - ETA: 0s - loss: 0.5287 - accuracy: 0.8975
605/750 [=====>.....] - ETA: 0s - loss: 0.5296 - accuracy: 0.8965
691/750 [=====>...] - ETA: 0s - loss: 0.5293 - accuracy: 0.8965
750/750 [=====] - 1s 718us/step - loss: 0.5285 - accuracy: 0.8966 - val_loss: 0.5860 - val_accuracy: 0.8754
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.3324 - accuracy: 1.0000
88/750 [==>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.8961
171/750 [====>.....] - ETA: 0s - loss: 0.5307 - accuracy: 0.8957
259/750 [=====>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.8970
343/750 [=====>.....] - ETA: 0s - loss: 0.5272 - accuracy: 0.8960
431/750 [=====>.....] - ETA: 0s - loss: 0.5277 - accuracy: 0.8964
519/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy: 0.8966

605/750 [=====>.....] - ETA: 0s - loss: 0.5275 - accuracy: 0.8962
691/750 [=====>...] - ETA: 0s - loss: 0.5267 - accuracy: 0.8968
750/750 [=====] - 1s 712us/step - loss: 0.5270 - accuracy: 0.8968 - val_loss: 0.5844 - val_accuracy: 0.8755
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.4315 - accuracy: 0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.5223 - accuracy: 0.8985
170/750 [====>.....] - ETA: 0s - loss: 0.5222 - accuracy: 0.8995
257/750 [=====>.....] - ETA: 0s - loss: 0.5236 - accuracy: 0.8994
343/750 [=====>.....] - ETA: 0s - loss: 0.5254 - accuracy: 0.8981
428/750 [=====>.....] - ETA: 0s - loss: 0.5273 - accuracy: 0.8981
514/750 [=====>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8972
598/750 [=====>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.8982
686/750 [=====>...] - ETA: 0s - loss: 0.5256 - accuracy: 0.8982
750/750 [=====] - 1s 720us/step - loss: 0.5262 - accuracy: 0.8979 - val_loss: 0.5924 - val_accuracy: 0.8712
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.5704 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.5169 - accuracy: 0.8983
171/750 [====>.....] - ETA: 0s - loss: 0.5157 - accuracy: 0.8995
258/750 [=====>.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.8990
343/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.8978
427/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy: 0.8982
516/750 [=====>.....] - ETA: 0s - loss: 0.5226 - accuracy: 0.8985
602/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.8972
687/750 [=====>...] - ETA: 0s - loss: 0.5257 - accuracy: 0.8971
750/750 [=====] - 1s 718us/step - loss: 0.5256 - accuracy: 0.8974 - val_loss: 0.5856 - val_accuracy: 0.8736

Epoch 190/220

```
1/750 [.....] - ETA: 0s - loss: 0.4740 - accuracy: 0.8906
85/750 [==>.....] - ETA: 0s - loss: 0.5218 - accuracy: 0.8949
168/750 [=====>.....] - ETA: 0s - loss: 0.5266 - accuracy: 0.8936
255/750 [======>.....] - ETA: 0s - loss: 0.5290 - accuracy: 0.8941
341/750 [======>.....] - ETA: 0s - loss: 0.5297 - accuracy: 0.8943
425/750 [======>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8944
510/750 [======>.....] - ETA: 0s - loss: 0.5277 - accuracy: 0.8953
597/750 [======>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.8967
680/750 [======>...] - ETA: 0s - loss: 0.5242 - accuracy: 0.8973
750/750 [=====] - 1s 718us/step - loss: 0.5243 - accuracy: 0.8976 - val_loss: 0.5881 - val_accuracy: 0.8708
Epoch 191/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.5491 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.5115 - accuracy: 0.9012
171/750 [=====>.....] - ETA: 0s - loss: 0.5187 - accuracy: 0.8988
258/750 [======>.....] - ETA: 0s - loss: 0.5195 - accuracy: 0.8980
348/750 [======>.....] - ETA: 0s - loss: 0.5209 - accuracy: 0.8983
433/750 [======>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.8987
517/750 [======>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8983
606/750 [======>.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.8977
692/750 [======>...] - ETA: 0s - loss: 0.5231 - accuracy: 0.8978
750/750 [=====] - 1s 714us/step - loss: 0.5240 - accuracy: 0.8972 - val_loss: 0.5887 - val_accuracy: 0.8739
Epoch 192/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4533 - accuracy: 0.9219
89/750 [==>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8966
```

177/750 [=====>.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.8977
260/750 [=====>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.8960
345/750 [=====>.....] - ETA: 0s - loss: 0.5254 - accuracy: 0.8958
431/750 [=====>.....] - ETA: 0s - loss: 0.5282 - accuracy: 0.8957
516/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.8973
601/750 [=====>.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.8983
686/750 [=====>...] - ETA: 0s - loss: 0.5225 - accuracy: 0.8990
750/750 [=====>] - 1s 718us/step - loss: 0.5230 - accuracy: 0.8987 - val_loss: 0.5879 - val_accuracy: 0.8712
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.5254 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.8954
176/750 [=====>.....] - ETA: 0s - loss: 0.5275 - accuracy: 0.8971
261/750 [=====>.....] - ETA: 0s - loss: 0.5263 - accuracy: 0.8980
349/750 [=====>.....] - ETA: 0s - loss: 0.5221 - accuracy: 0.8994
439/750 [=====>.....] - ETA: 0s - loss: 0.5224 - accuracy: 0.8988
525/750 [=====>.....] - ETA: 0s - loss: 0.5220 - accuracy: 0.8990
611/750 [=====>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.8981
697/750 [=====>...] - ETA: 0s - loss: 0.5219 - accuracy: 0.8982
750/750 [=====>] - 1s 708us/step - loss: 0.5219 - accuracy: 0.8982 - val_loss: 0.5885 - val_accuracy: 0.8733
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.8906
84/750 [==>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.8986
170/750 [=====>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.8971
253/750 [=====>.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.8963
338/750 [=====>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.8980

424/750 [=====>.....] - ETA: 0s - loss: 0.5243 - accuracy: 0.8965
509/750 [=====>.....] - ETA: 0s - loss: 0.5241 - accuracy: 0.8967
595/750 [=====>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.8977
681/750 [=====>...] - ETA: 0s - loss: 0.5205 - accuracy: 0.8981
750/750 [=====] - 1s 718us/step - loss: 0.5212 - accuracy: 0.8978 - val_loss: 0.5885 - val_accuracy: 0.8724
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.4655 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy: 0.9033
173/750 [====>.....] - ETA: 0s - loss: 0.5123 - accuracy: 0.9006
262/750 [=====>.....] - ETA: 0s - loss: 0.5154 - accuracy: 0.9006
349/750 [=====>.....] - ETA: 0s - loss: 0.5170 - accuracy: 0.9001
436/750 [=====>.....] - ETA: 0s - loss: 0.5184 - accuracy: 0.8999
524/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.8998
609/750 [=====>.....] - ETA: 0s - loss: 0.5204 - accuracy: 0.8990
694/750 [=====>...] - ETA: 0s - loss: 0.5199 - accuracy: 0.8988
750/750 [=====] - 1s 712us/step - loss: 0.5202 - accuracy: 0.8989 - val_loss: 0.5830 - val_accuracy: 0.8731
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.4665 - accuracy: 0.9062
87/750 [==>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.8983
168/750 [====>.....] - ETA: 0s - loss: 0.5191 - accuracy: 0.8978
257/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8996
341/750 [=====>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.9005
428/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.8999
516/750 [=====>.....] - ETA: 0s - loss: 0.5189 - accuracy: 0.8997
602/750 [=====>.....] - ETA: 0s - loss: 0.5189 - accuracy: 0.8988

688/750 [=====>...] - ETA: 0s - loss: 0.5198 - accuracy:
0.8986
750/750 [=====] - 1s 713us/step - loss: 0.5194 - accuracy:
0.8990 - val_loss: 0.5854 - val_accuracy: 0.8752
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.5680 - accuracy:
0.8438
88/750 [==>.....] - ETA: 0s - loss: 0.5243 - accuracy:
0.8960
173/750 [====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.8976
261/750 [=====>.....] - ETA: 0s - loss: 0.5165 - accuracy:
0.9001
346/750 [=====>.....] - ETA: 0s - loss: 0.5115 - accuracy:
0.9018
432/750 [=====>.....] - ETA: 0s - loss: 0.5117 - accuracy:
0.9020
519/750 [=====>.....] - ETA: 0s - loss: 0.5160 - accuracy:
0.9000
606/750 [=====>.....] - ETA: 0s - loss: 0.5159 - accuracy:
0.9001
692/750 [=====>...] - ETA: 0s - loss: 0.5163 - accuracy:
0.9003
750/750 [=====] - 1s 717us/step - loss: 0.5187 - accuracy:
0.8992 - val_loss: 0.5853 - val_accuracy: 0.8737
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.4306 - accuracy:
0.9531
87/750 [==>.....] - ETA: 0s - loss: 0.5209 - accuracy:
0.9041
171/750 [====>.....] - ETA: 0s - loss: 0.5183 - accuracy:
0.9013
257/750 [=====>.....] - ETA: 0s - loss: 0.5139 - accuracy:
0.9014
340/750 [=====>.....] - ETA: 0s - loss: 0.5149 - accuracy:
0.8994
426/750 [=====>.....] - ETA: 0s - loss: 0.5185 - accuracy:
0.8988
514/750 [=====>.....] - ETA: 0s - loss: 0.5178 - accuracy:
0.8987
600/750 [=====>.....] - ETA: 0s - loss: 0.5186 - accuracy:
0.8985
685/750 [=====>...] - ETA: 0s - loss: 0.5185 - accuracy:
0.8982
750/750 [=====] - 1s 720us/step - loss: 0.5183 - accuracy:
0.8983 - val_loss: 0.5845 - val_accuracy: 0.8748
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.4074 - accuracy: 0.9219
90/750 [==>.....] - ETA: 0s - loss: 0.5122 - accuracy: 0.9009
177/750 [=====>.....] - ETA: 0s - loss: 0.5179 - accuracy: 0.8966
245/750 [=====>.....] - ETA: 0s - loss: 0.5163 - accuracy: 0.8994
333/750 [======>.....] - ETA: 0s - loss: 0.5162 - accuracy: 0.8993
421/750 [======>.....] - ETA: 0s - loss: 0.5191 - accuracy: 0.8986
509/750 [======>.....] - ETA: 0s - loss: 0.5183 - accuracy: 0.8987
595/750 [======>.....] - ETA: 0s - loss: 0.5183 - accuracy: 0.8981
678/750 [======>...] - ETA: 0s - loss: 0.5161 - accuracy: 0.8995
750/750 [=====] - 1s 736us/step - loss: 0.5170 - accuracy: 0.8990 - val_loss: 0.5805 - val_accuracy: 0.8751
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.5182 - accuracy: 0.9375
86/750 [==>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.8946
171/750 [=====>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.8981
256/750 [=====>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.8979
343/750 [======>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.8998
427/750 [======>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.8997
513/750 [======>.....] - ETA: 0s - loss: 0.5175 - accuracy: 0.8981
598/750 [======>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8987
683/750 [======>...] - ETA: 0s - loss: 0.5175 - accuracy: 0.8986
750/750 [=====] - 1s 725us/step - loss: 0.5165 - accuracy: 0.8991 - val_loss: 0.5784 - val_accuracy: 0.8756
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.3823 - accuracy: 0.9844
85/750 [==>.....] - ETA: 0s - loss: 0.5100 - accuracy: 0.9009
168/750 [=====>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.8987

253/750 [=====>.....] - ETA: 0s - loss: 0.5205 - accuracy: 0.8972
341/750 [=====>.....] - ETA: 0s - loss: 0.5169 - accuracy: 0.8996
421/750 [=====>.....] - ETA: 0s - loss: 0.5149 - accuracy: 0.9007
511/750 [=====>.....] - ETA: 0s - loss: 0.5141 - accuracy: 0.9009
596/750 [=====>.....] - ETA: 0s - loss: 0.5145 - accuracy: 0.9003
682/750 [=====>...] - ETA: 0s - loss: 0.5150 - accuracy: 0.9001
750/750 [=====] - 1s 722us/step - loss: 0.5153 - accuracy: 0.8995 - val_loss: 0.5795 - val_accuracy: 0.8769
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.8906
87/750 [==>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.8983
171/750 [====>.....] - ETA: 0s - loss: 0.5153 - accuracy: 0.9024
256/750 [=====>.....] - ETA: 0s - loss: 0.5114 - accuracy: 0.9036
345/750 [=====>.....] - ETA: 0s - loss: 0.5153 - accuracy: 0.9001
432/750 [=====>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.8997
520/750 [=====>.....] - ETA: 0s - loss: 0.5159 - accuracy: 0.8989
607/750 [=====>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.8992
694/750 [=====>...] - ETA: 0s - loss: 0.5152 - accuracy: 0.8991
750/750 [=====] - 1s 709us/step - loss: 0.5144 - accuracy: 0.8994 - val_loss: 0.5771 - val_accuracy: 0.8749
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.4665 - accuracy: 0.9219
88/750 [==>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.9011
174/750 [====>.....] - ETA: 0s - loss: 0.5136 - accuracy: 0.8992
260/750 [=====>.....] - ETA: 0s - loss: 0.5101 - accuracy: 0.9011
341/750 [=====>.....] - ETA: 0s - loss: 0.5097 - accuracy: 0.9011
428/750 [=====>.....] - ETA: 0s - loss: 0.5126 - accuracy: 0.9002

518/750 [=====>.....] - ETA: 0s - loss: 0.5131 - accuracy: 0.8999
605/750 [=====>.....] - ETA: 0s - loss: 0.5143 - accuracy: 0.8995
690/750 [=====>...] - ETA: 0s - loss: 0.5147 - accuracy: 0.8997
750/750 [=====] - 1s 714us/step - loss: 0.5141 - accuracy: 0.8999 - val_loss: 0.5798 - val_accuracy: 0.8750
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.4124 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.5135 - accuracy: 0.8970
173/750 [====>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.9017
258/750 [=====>.....] - ETA: 0s - loss: 0.5079 - accuracy: 0.9012
347/750 [=====>.....] - ETA: 0s - loss: 0.5068 - accuracy: 0.9022
433/750 [=====>.....] - ETA: 0s - loss: 0.5112 - accuracy: 0.9008
521/750 [=====>.....] - ETA: 0s - loss: 0.5135 - accuracy: 0.8999
610/750 [=====>.....] - ETA: 0s - loss: 0.5140 - accuracy: 0.8995
697/750 [=====>...] - ETA: 0s - loss: 0.5124 - accuracy: 0.9003
750/750 [=====] - 1s 713us/step - loss: 0.5130 - accuracy: 0.8999 - val_loss: 0.5828 - val_accuracy: 0.8753
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.8594
88/750 [==>.....] - ETA: 0s - loss: 0.4937 - accuracy: 0.9084
171/750 [====>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.9030
251/750 [=====>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.9036
331/750 [=====>.....] - ETA: 0s - loss: 0.5046 - accuracy: 0.9034
416/750 [=====>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.9021
499/750 [=====>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.9015
581/750 [=====>.....] - ETA: 0s - loss: 0.5090 - accuracy: 0.9020
666/750 [=====>...] - ETA: 0s - loss: 0.5128 - accuracy: 0.9009

750/750 [=====] - ETA: 0s - loss: 0.5121 - accuracy:
0.9012
750/750 [=====] - 1s 734us/step - loss: 0.5121 - accuracy:
0.9012 - val_loss: 0.5772 - val_accuracy: 0.8763
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.6441 - accuracy:
0.8906
88/750 [==>.....] - ETA: 0s - loss: 0.5093 - accuracy:
0.9023
177/750 [=====>.....] - ETA: 0s - loss: 0.5142 - accuracy:
0.8992
261/750 [=====>.....] - ETA: 0s - loss: 0.5166 - accuracy:
0.8973
347/750 [=====>.....] - ETA: 0s - loss: 0.5187 - accuracy:
0.8972
436/750 [=====>.....] - ETA: 0s - loss: 0.5161 - accuracy:
0.8981
523/750 [=====>.....] - ETA: 0s - loss: 0.5137 - accuracy:
0.8994
611/750 [=====>.....] - ETA: 0s - loss: 0.5119 - accuracy:
0.9002
696/750 [=====>...] - ETA: 0s - loss: 0.5120 - accuracy:
0.9005
750/750 [=====] - 1s 710us/step - loss: 0.5112 - accuracy:
0.9009 - val_loss: 0.5785 - val_accuracy: 0.8750
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.7772 - accuracy:
0.8281
90/750 [==>.....] - ETA: 0s - loss: 0.5169 - accuracy:
0.8990
176/750 [=====>.....] - ETA: 0s - loss: 0.5103 - accuracy:
0.9017
260/750 [=====>.....] - ETA: 0s - loss: 0.5093 - accuracy:
0.9011
347/750 [=====>.....] - ETA: 0s - loss: 0.5092 - accuracy:
0.9008
434/750 [=====>.....] - ETA: 0s - loss: 0.5114 - accuracy:
0.8998
520/750 [=====>.....] - ETA: 0s - loss: 0.5097 - accuracy:
0.9008
607/750 [=====>.....] - ETA: 0s - loss: 0.5074 - accuracy:
0.9017
694/750 [=====>...] - ETA: 0s - loss: 0.5090 - accuracy:
0.9012
750/750 [=====] - 1s 710us/step - loss: 0.5106 - accuracy:
0.9010 - val_loss: 0.5818 - val_accuracy: 0.8731
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.3725 - accuracy: 0.9688
88/750 [==>.....] - ETA: 0s - loss: 0.5043 - accuracy: 0.9025
178/750 [=====>.....] - ETA: 0s - loss: 0.5037 - accuracy: 0.9034
267/750 [=====>.....] - ETA: 0s - loss: 0.5062 - accuracy: 0.9016
352/750 [======>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8999
441/750 [======>.....] - ETA: 0s - loss: 0.5048 - accuracy: 0.9014
525/750 [======>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.9006
610/750 [======>.....] - ETA: 0s - loss: 0.5118 - accuracy: 0.8997
700/750 [======>..] - ETA: 0s - loss: 0.5101 - accuracy: 0.9002
750/750 [=====] - 1s 708us/step - loss: 0.5096 - accuracy: 0.9004 - val_loss: 0.5743 - val_accuracy: 0.8762
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.4601 - accuracy: 0.9219
86/750 [==>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.9026
172/750 [=====>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.9027
260/750 [=====>.....] - ETA: 0s - loss: 0.5051 - accuracy: 0.9031
344/750 [======>.....] - ETA: 0s - loss: 0.5050 - accuracy: 0.9028
431/750 [======>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.9028
518/750 [======>.....] - ETA: 0s - loss: 0.5050 - accuracy: 0.9030
604/750 [======>.....] - ETA: 0s - loss: 0.5088 - accuracy: 0.9018
691/750 [======>...] - ETA: 0s - loss: 0.5085 - accuracy: 0.9016
750/750 [=====] - 1s 712us/step - loss: 0.5090 - accuracy: 0.9013 - val_loss: 0.5764 - val_accuracy: 0.8752
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.8906
86/750 [==>.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.9024
174/750 [=====>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.9003

262/750 [=====>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.9006
348/750 [=====>.....] - ETA: 0s - loss: 0.5101 - accuracy: 0.8998
434/750 [=====>.....] - ETA: 0s - loss: 0.5106 - accuracy: 0.9012
518/750 [=====>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.9016
605/750 [=====>.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.9018
693/750 [=====>...] - ETA: 0s - loss: 0.5081 - accuracy: 0.9022
750/750 [=====] - 1s 713us/step - loss: 0.5077 - accuracy: 0.9021 - val_loss: 0.5773 - val_accuracy: 0.8762
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.9062
84/750 [==>.....] - ETA: 0s - loss: 0.5127 - accuracy: 0.8992
171/750 [====>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.8988
255/750 [=====>.....] - ETA: 0s - loss: 0.5077 - accuracy: 0.8999
339/750 [=====>.....] - ETA: 0s - loss: 0.5039 - accuracy: 0.9016
425/750 [=====>.....] - ETA: 0s - loss: 0.5035 - accuracy: 0.9022
510/750 [=====>.....] - ETA: 0s - loss: 0.5040 - accuracy: 0.9025
595/750 [=====>.....] - ETA: 0s - loss: 0.5047 - accuracy: 0.9022
683/750 [=====>...] - ETA: 0s - loss: 0.5072 - accuracy: 0.9010
750/750 [=====] - 1s 718us/step - loss: 0.5074 - accuracy: 0.9007 - val_loss: 0.5795 - val_accuracy: 0.8742
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.6846 - accuracy: 0.8438
87/750 [==>.....] - ETA: 0s - loss: 0.5130 - accuracy: 0.8953
172/750 [====>.....] - ETA: 0s - loss: 0.5082 - accuracy: 0.9011
262/750 [=====>.....] - ETA: 0s - loss: 0.5109 - accuracy: 0.9002
345/750 [=====>.....] - ETA: 0s - loss: 0.5111 - accuracy: 0.9006
430/750 [=====>.....] - ETA: 0s - loss: 0.5098 - accuracy: 0.9012

519/750 [=====>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.9021
605/750 [=====>.....] - ETA: 0s - loss: 0.5061 - accuracy: 0.9020
691/750 [=====>...] - ETA: 0s - loss: 0.5068 - accuracy: 0.9019
750/750 [=====] - 1s 714us/step - loss: 0.5064 - accuracy: 0.9022 - val_loss: 0.5737 - val_accuracy: 0.8762
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.4772 - accuracy: 0.9219
82/750 [==>.....] - ETA: 0s - loss: 0.5111 - accuracy: 0.8996
170/750 [====>.....] - ETA: 0s - loss: 0.5051 - accuracy: 0.9018
257/750 [=====>.....] - ETA: 0s - loss: 0.5046 - accuracy: 0.9027
342/750 [=====>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.9005
429/750 [=====>.....] - ETA: 0s - loss: 0.5073 - accuracy: 0.8999
519/750 [=====>.....] - ETA: 0s - loss: 0.5066 - accuracy: 0.9007
603/750 [=====>.....] - ETA: 0s - loss: 0.5048 - accuracy: 0.9013
691/750 [=====>...] - ETA: 0s - loss: 0.5057 - accuracy: 0.9015
750/750 [=====] - 1s 714us/step - loss: 0.5057 - accuracy: 0.9017 - val_loss: 0.5745 - val_accuracy: 0.8752
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.3745 - accuracy: 0.9844
87/750 [==>.....] - ETA: 0s - loss: 0.5130 - accuracy: 0.8989
172/750 [====>.....] - ETA: 0s - loss: 0.5062 - accuracy: 0.9002
260/750 [=====>.....] - ETA: 0s - loss: 0.5074 - accuracy: 0.9006
331/750 [=====>.....] - ETA: 0s - loss: 0.5071 - accuracy: 0.8995
417/750 [=====>.....] - ETA: 0s - loss: 0.5072 - accuracy: 0.9008
503/750 [=====>.....] - ETA: 0s - loss: 0.5071 - accuracy: 0.9007
589/750 [=====>.....] - ETA: 0s - loss: 0.5055 - accuracy: 0.9014
672/750 [=====>...] - ETA: 0s - loss: 0.5054 - accuracy: 0.9014

750/750 [=====] - 1s 737us/step - loss: 0.5049 - accuracy: 0.9012 - val_loss: 0.5763 - val_accuracy: 0.8747
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.5873 - accuracy: 0.8594
86/750 [==>.....] - ETA: 0s - loss: 0.5058 - accuracy: 0.9037
169/750 [=====>.....] - ETA: 0s - loss: 0.5073 - accuracy: 0.9016
254/750 [=====>.....] - ETA: 0s - loss: 0.5101 - accuracy: 0.9008
339/750 [======>.....] - ETA: 0s - loss: 0.5085 - accuracy: 0.9021
424/750 [======>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.9024
492/750 [======>.....] - ETA: 0s - loss: 0.5054 - accuracy: 0.9029
579/750 [======>.....] - ETA: 0s - loss: 0.5053 - accuracy: 0.9029
664/750 [======>....] - ETA: 0s - loss: 0.5051 - accuracy: 0.9030
750/750 [=====] - 1s 737us/step - loss: 0.5046 - accuracy: 0.9029 - val_loss: 0.5738 - val_accuracy: 0.8740
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.4353 - accuracy: 0.9531
85/750 [==>.....] - ETA: 0s - loss: 0.4870 - accuracy: 0.9068
168/750 [=====>.....] - ETA: 0s - loss: 0.4958 - accuracy: 0.9036
250/750 [=====>.....] - ETA: 0s - loss: 0.4989 - accuracy: 0.9014
338/750 [======>.....] - ETA: 0s - loss: 0.5034 - accuracy: 0.9017
421/750 [======>.....] - ETA: 0s - loss: 0.5044 - accuracy: 0.9011
504/750 [======>.....] - ETA: 0s - loss: 0.5057 - accuracy: 0.9006
573/750 [======>.....] - ETA: 0s - loss: 0.5058 - accuracy: 0.9008
655/750 [======>....] - ETA: 0s - loss: 0.5026 - accuracy: 0.9018
741/750 [======>.] - ETA: 0s - loss: 0.5037 - accuracy: 0.9017
750/750 [=====] - 1s 745us/step - loss: 0.5036 - accuracy: 0.9020 - val_loss: 0.5734 - val_accuracy: 0.8763
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.4925 - accuracy: 0.9531
88/750 [==>.....] - ETA: 0s - loss: 0.4869 - accuracy: 0.9075
174/750 [=====>.....] - ETA: 0s - loss: 0.4878 - accuracy: 0.9074
260/750 [=====>.....] - ETA: 0s - loss: 0.4917 - accuracy: 0.9058
348/750 [======>.....] - ETA: 0s - loss: 0.4976 - accuracy: 0.9039
434/750 [======>.....] - ETA: 0s - loss: 0.4974 - accuracy: 0.9041
523/750 [======>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.9022
608/750 [======>.....] - ETA: 0s - loss: 0.5015 - accuracy: 0.9028
694/750 [======>...] - ETA: 0s - loss: 0.5032 - accuracy: 0.9027
750/750 [=====] - 1s 716us/step - loss: 0.5028 - accuracy: 0.9028 - val_loss: 0.5703 - val_accuracy: 0.8774
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.4859 - accuracy: 0.9219
87/750 [==>.....] - ETA: 0s - loss: 0.4954 - accuracy: 0.9032
173/750 [=====>.....] - ETA: 0s - loss: 0.4916 - accuracy: 0.9050
259/750 [=====>.....] - ETA: 0s - loss: 0.4936 - accuracy: 0.9033
346/750 [======>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.9015
433/750 [======>.....] - ETA: 0s - loss: 0.4970 - accuracy: 0.9022
519/750 [======>.....] - ETA: 0s - loss: 0.4994 - accuracy: 0.9024
601/750 [======>.....] - ETA: 0s - loss: 0.4998 - accuracy: 0.9028
686/750 [======>...] - ETA: 0s - loss: 0.5015 - accuracy: 0.9021
750/750 [=====] - 1s 717us/step - loss: 0.5018 - accuracy: 0.9020 - val_loss: 0.5722 - val_accuracy: 0.8756
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.5234 - accuracy: 0.8750
89/750 [==>.....] - ETA: 0s - loss: 0.5132 - accuracy: 0.9034
172/750 [=====>.....] - ETA: 0s - loss: 0.5120 - accuracy: 0.9004

260/750 [=====>.....] - ETA: 0s - loss: 0.5072 - accuracy: 0.9013
347/750 [=====>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.9003
434/750 [=====>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.9014
523/750 [=====>.....] - ETA: 0s - loss: 0.5051 - accuracy: 0.9017
609/750 [=====>.....] - ETA: 0s - loss: 0.5026 - accuracy: 0.9031
693/750 [=====>...] - ETA: 0s - loss: 0.5020 - accuracy: 0.9035
750/750 [=====] - 1s 716us/step - loss: 0.5013 - accuracy: 0.9036 - val_loss: 0.5719 - val_accuracy: 0.8757
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.4089 - accuracy: 0.9219
84/750 [==>.....] - ETA: 0s - loss: 0.5071 - accuracy: 0.8996
169/750 [====>.....] - ETA: 0s - loss: 0.4972 - accuracy: 0.9050
253/750 [=====>.....] - ETA: 0s - loss: 0.4973 - accuracy: 0.9054
339/750 [=====>.....] - ETA: 0s - loss: 0.5013 - accuracy: 0.9052
421/750 [=====>.....] - ETA: 0s - loss: 0.4985 - accuracy: 0.9059
505/750 [=====>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.9039
589/750 [=====>.....] - ETA: 0s - loss: 0.4993 - accuracy: 0.9041
672/750 [=====>....] - ETA: 0s - loss: 0.4997 - accuracy: 0.9040
750/750 [=====] - 1s 732us/step - loss: 0.5001 - accuracy: 0.9035 - val_loss: 0.5720 - val_accuracy: 0.8767

1/313 [.....] - ETA: 3s - loss: 0.6615 - accuracy: 0.8750
114/313 [=====>.....] - ETA: 0s - loss: 0.6060 - accuracy: 0.8695
230/313 [=====>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.8678
313/313 [=====] - 0s 436us/step - loss: 0.6032 - accuracy: 0.8708
Testing loss: 0.6031553149223328
Testing accuracy: 87.08000183105469%

Running for Model 12/12

Model: "sequential_12"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550
hidden4 (Dense)	(None, 50)	2550
hidden5 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510

Total params: 52,510
Trainable params: 52,510
Non-trainable params: 0

Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50, 'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50, 'activation_function': 'relu'}, {'name': 'hidden5', 'size': 50, 'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10, 'activation_function': 'softmax'}]
Epoch 1/220

1/750 [.....] - ETA: 2:19 - loss: 2.6505 - accuracy: 0.1719
64/750 [=>.....] - ETA: 0s - loss: 2.6654 - accuracy: 0.1128
132/750 [====>.....] - ETA: 0s - loss: 2.6632 - accuracy: 0.1127
197/750 [=====>.....] - ETA: 0s - loss: 2.6613 - accuracy: 0.1141
263/750 [======>.....] - ETA: 0s - loss: 2.6598 - accuracy: 0.1161
329/750 [======>.....] - ETA: 0s - loss: 2.6587 - accuracy: 0.1170
398/750 [======>.....] - ETA: 0s - loss: 2.6572 - accuracy: 0.1188
466/750 [======>.....] - ETA: 0s - loss: 2.6556 - accuracy:

0.1204 [=====>.....] - ETA: 0s - loss: 2.6541 - accuracy:
535/750 [=====>.....] - ETA: 0s - loss: 2.6523 - accuracy:
0.1222 [=====>.....] - ETA: 0s - loss: 2.6507 - accuracy:
674/750 [=====>....] - ETA: 0s - loss: 2.6491 - accuracy:
0.1275 [=====>.] - ETA: 0s - loss: 2.6490 - accuracy:
745/750 [=====>.] - ETA: 0s - loss: 2.6490 - accuracy:
0.1302 [=====] - 1s 1ms/step - loss: 2.6490 - accuracy:
750/750 [=====] - 1s 1ms/step - loss: 2.6490 - accuracy:
0.1303 - val_loss: 2.6308 - val_accuracy: 0.1576
Epoch 2/220

1/750 [.....] - ETA: 0s - loss: 2.6223 - accuracy:
0.1562 [=>.....] - ETA: 0s - loss: 2.6267 - accuracy:
68/750 [=>.....] - ETA: 0s - loss: 2.6251 - accuracy:
0.1634 [====>.....] - ETA: 0s - loss: 2.6236 - accuracy:
138/750 [====>.....] - ETA: 0s - loss: 2.6219 - accuracy:
0.1584 [=====>.....] - ETA: 0s - loss: 2.6191 - accuracy:
206/750 [=====>.....] - ETA: 0s - loss: 2.6168 - accuracy:
0.1599 [=====>.....] - ETA: 0s - loss: 2.6144 - accuracy:
273/750 [=====>.....] - ETA: 0s - loss: 2.6115 - accuracy:
0.1642 [=====>.....] - ETA: 0s - loss: 2.6080 - accuracy:
342/750 [=====>.....] - ETA: 0s - loss: 2.6048 - accuracy:
0.1716 [=====>.....] - ETA: 0s - loss: 2.6016 - accuracy:
411/750 [=====>.....] - ETA: 0s - loss: 2.5649 - accuracy:
0.1763 [=====>.....] - ETA: 0s - loss: 2.5603 - accuracy:
480/750 [=====>.....] - ETA: 0s - loss: 2.5548 - accuracy:
0.1834 [=====>.....] - ETA: 0s - loss: 2.5483 - accuracy:
548/750 [=====>.....] - ETA: 0s - loss: 2.5432 - accuracy:
0.1934 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
0.2022 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
686/750 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
0.2100 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
750/750 [=====>.....] - 1s 897us/step - loss: 2.5386 - accuracy:
0.2170 - val_loss: 2.5641 - val_accuracy: 0.2876
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.5649 - accuracy:
0.2656 [=>.....] - ETA: 0s - loss: 2.5603 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 2.5548 - accuracy:
0.2871 [====>.....] - ETA: 0s - loss: 2.5483 - accuracy:
138/750 [====>.....] - ETA: 0s - loss: 2.5432 - accuracy:
0.2922 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
207/750 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
0.2943 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
276/750 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
0.2970 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 2.5386 - accuracy:

0.2961 [=====>.....] - ETA: 0s - loss: 2.5325 - accuracy:
415/750 [=====>.....] - ETA: 0s - loss: 2.5260 - accuracy:
0.2985 [=====>.....] - ETA: 0s - loss: 2.5197 - accuracy:
551/750 [=====>.....] - ETA: 0s - loss: 2.5123 - accuracy:
0.3042 [=====>.....] - ETA: 0s - loss: 2.5050 - accuracy:
621/750 [=====>.....] - ETA: 0s - loss: 2.4980 - accuracy:
0.3069 [=====>.....] - ETA: 0s - loss: 2.4980 - accuracy:
690/750 [=====>.....] - ETA: 0s - loss: 2.4980 - accuracy:
0.3086 [=====>.....] - ETA: 0s - loss: 2.4980 - accuracy:
750/750 [=====>.....] - 1s 892us/step - loss: 2.4980 - accuracy:
0.3110 - val_loss: 2.4099 - val_accuracy: 0.3438
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 2.4303 - accuracy:
0.3125 [.....] - ETA: 0s - loss: 2.4088 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 2.3961 - accuracy:
0.3562 [=>.....] - ETA: 0s - loss: 2.3807 - accuracy:
138/750 [=====>.....] - ETA: 0s - loss: 2.3673 - accuracy:
0.3528 [=====>.....] - ETA: 0s - loss: 2.3529 - accuracy:
207/750 [=====>.....] - ETA: 0s - loss: 2.3396 - accuracy:
0.3555 [=====>.....] - ETA: 0s - loss: 2.3261 - accuracy:
275/750 [=====>.....] - ETA: 0s - loss: 2.3088 - accuracy:
0.3567 [=====>.....] - ETA: 0s - loss: 2.2929 - accuracy:
341/750 [=====>.....] - ETA: 0s - loss: 2.2759 - accuracy:
410/750 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
0.3570 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
478/750 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
0.3590 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
547/750 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
0.3630 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
616/750 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
0.3662 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
683/750 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
0.3709 [=====>.....] - ETA: 0s - loss: 2.2594 - accuracy:
750/750 [=====>.....] - 1s 895us/step - loss: 2.2594 - accuracy:
0.3769 - val_loss: 2.0782 - val_accuracy: 0.4385
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 2.0238 - accuracy:
0.4531 [.....] - ETA: 0s - loss: 2.0544 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 2.0378 - accuracy:
0.4593 [=>.....] - ETA: 0s - loss: 2.0230 - accuracy:
141/750 [=====>.....] - ETA: 0s - loss: 2.0230 - accuracy:
0.4600 [=====>.....] - ETA: 0s - loss: 2.0230 - accuracy:
207/750 [=====>.....] - ETA: 0s - loss: 2.0230 - accuracy:
0.4659 [=====>.....] - ETA: 0s - loss: 2.0230 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 2.0230 - accuracy:

0.4752 [.....] - ETA: 0s - loss: 1.9842 - accuracy: 0.4847
346/750 [=====>.....] - ETA: 0s - loss: 1.9630 - accuracy: 0.4944
416/750 [=====>.....] - ETA: 0s - loss: 1.9433 - accuracy: 0.5024
485/750 [=====>.....] - ETA: 0s - loss: 1.9241 - accuracy: 0.5074
554/750 [=====>.....] - ETA: 0s - loss: 1.9055 - accuracy: 0.5150
623/750 [=====>.....] - ETA: 0s - loss: 1.8878 - accuracy: 0.5200
687/750 [=====>...] - ETA: 0s - loss: 1.8708 - accuracy: 0.5250
750/750 [=====] - 1s 896us/step - loss: 1.8708 - accuracy: 0.5250 - val_loss: 1.6811 - val_accuracy: 0.5748
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 1.7801 - accuracy: 0.5000
74/750 [=>.....] - ETA: 0s - loss: 1.6692 - accuracy: 0.5724
143/750 [====>.....] - ETA: 0s - loss: 1.6580 - accuracy: 0.5795
215/750 [=====>.....] - ETA: 0s - loss: 1.6352 - accuracy: 0.5877
288/750 [=====>.....] - ETA: 0s - loss: 1.6217 - accuracy: 0.5934
360/750 [=====>.....] - ETA: 0s - loss: 1.6063 - accuracy: 0.5966
433/750 [=====>.....] - ETA: 0s - loss: 1.5916 - accuracy: 0.6005
506/750 [=====>.....] - ETA: 0s - loss: 1.5783 - accuracy: 0.6035
576/750 [=====>.....] - ETA: 0s - loss: 1.5658 - accuracy: 0.6063
648/750 [=====>.....] - ETA: 0s - loss: 1.5522 - accuracy: 0.6109
720/750 [=====>..] - ETA: 0s - loss: 1.5411 - accuracy: 0.6137
750/750 [=====] - 1s 856us/step - loss: 1.5362 - accuracy: 0.6159 - val_loss: 1.4207 - val_accuracy: 0.6566
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 1.3326 - accuracy: 0.6719
70/750 [=>.....] - ETA: 0s - loss: 1.4052 - accuracy: 0.6580
140/750 [====>.....] - ETA: 0s - loss: 1.3916 - accuracy: 0.6672
211/750 [=====>.....] - ETA: 0s - loss: 1.3897 - accuracy: 0.6719

0.6671 [.....] - ETA: 0s - loss: 1.3814 - accuracy: 283/750 [=====>.....] - ETA: 0s - loss: 1.3814 - accuracy: 0.6685 [.....] - ETA: 0s - loss: 1.3749 - accuracy: 354/750 [=====>.....] - ETA: 0s - loss: 1.3749 - accuracy: 0.6687 [.....] - ETA: 0s - loss: 1.3671 - accuracy: 424/750 [=====>.....] - ETA: 0s - loss: 1.3671 - accuracy: 0.6701 [.....] - ETA: 0s - loss: 1.3635 - accuracy: 495/750 [=====>.....] - ETA: 0s - loss: 1.3635 - accuracy: 0.6711 [.....] - ETA: 0s - loss: 1.3569 - accuracy: 568/750 [=====>.....] - ETA: 0s - loss: 1.3569 - accuracy: 0.6719 [.....] - ETA: 0s - loss: 1.3491 - accuracy: 642/750 [=====>.....] - ETA: 0s - loss: 1.3491 - accuracy: 0.6746 [.....] - ETA: 0s - loss: 1.3422 - accuracy: 715/750 [=====>..] - ETA: 0s - loss: 1.3422 - accuracy: 0.6771 [.....] - 1s 856us/step - loss: 1.3390 - accuracy: 750/750 [=====] - 1s 856us/step - loss: 1.3390 - accuracy: 0.6780 - val_loss: 1.2675 - val_accuracy: 0.6997
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 1.4172 - accuracy: 0.6562 [.....] - ETA: 0s - loss: 1.2627 - accuracy: 71/750 [=>.....] - ETA: 0s - loss: 1.2627 - accuracy: 0.7066 [.....] - ETA: 0s - loss: 1.2575 - accuracy: 144/750 [====>.....] - ETA: 0s - loss: 1.2575 - accuracy: 0.7070 [.....] - ETA: 0s - loss: 1.2473 - accuracy: 218/750 [=====>.....] - ETA: 0s - loss: 1.2473 - accuracy: 0.7069 [.....] - ETA: 0s - loss: 1.2394 - accuracy: 288/750 [=====>.....] - ETA: 0s - loss: 1.2394 - accuracy: 0.7075 [.....] - ETA: 0s - loss: 1.2347 - accuracy: 362/750 [=====>.....] - ETA: 0s - loss: 1.2347 - accuracy: 0.7084 [.....] - ETA: 0s - loss: 1.2311 - accuracy: 433/750 [=====>.....] - ETA: 0s - loss: 1.2311 - accuracy: 0.7103 [.....] - ETA: 0s - loss: 1.2285 - accuracy: 506/750 [=====>.....] - ETA: 0s - loss: 1.2285 - accuracy: 0.7099 [.....] - ETA: 0s - loss: 1.2256 - accuracy: 579/750 [=====>.....] - ETA: 0s - loss: 1.2256 - accuracy: 0.7113 [.....] - ETA: 0s - loss: 1.2220 - accuracy: 652/750 [=====>....] - ETA: 0s - loss: 1.2220 - accuracy: 0.7121 [.....] - ETA: 0s - loss: 1.2171 - accuracy: 720/750 [=====>..] - ETA: 0s - loss: 1.2171 - accuracy: 0.7135 [.....] - 1s 858us/step - loss: 1.2147 - accuracy: 750/750 [=====] - 1s 858us/step - loss: 1.2147 - accuracy: 0.7143 - val_loss: 1.1702 - val_accuracy: 0.7233
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 1.0645 - accuracy: 0.8281 [.....] - ETA: 0s - loss: 1.1842 - accuracy: 71/750 [=>.....] - ETA: 0s - loss: 1.1842 - accuracy: 0.7157 [.....] - ETA: 0s - loss: 1.1673 - accuracy: 142/750 [====>.....] - ETA: 0s - loss: 1.1673 - accuracy:

0.7230 [=====>.....] - ETA: 0s - loss: 1.1605 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 1.1605 - accuracy:
0.7286 [=====>.....] - ETA: 0s - loss: 1.1555 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 1.1555 - accuracy:
0.7285 [=====>.....] - ETA: 0s - loss: 1.1537 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 1.1537 - accuracy:
0.7294 [=====>.....] - ETA: 0s - loss: 1.1485 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 1.1485 - accuracy:
0.7315 [=====>.....] - ETA: 0s - loss: 1.1435 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 1.1435 - accuracy:
0.7325 [=====>.....] - ETA: 0s - loss: 1.1393 - accuracy:
581/750 [=====>.....] - ETA: 0s - loss: 1.1393 - accuracy:
0.7331 [=====>.....] - ETA: 0s - loss: 1.1367 - accuracy:
654/750 [=====>....] - ETA: 0s - loss: 1.1367 - accuracy:
0.7334 [=====>....] - ETA: 0s - loss: 1.1346 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 1.1346 - accuracy:
0.7347 [=====>.] - ETA: 0s - loss: 1.1341 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 1.1341 - accuracy:
0.7348 - val_loss: 1.1072 - val_accuracy: 0.7447
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 1.3569 - accuracy:
0.6875 [.....] - ETA: 0s - loss: 1.1029 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 1.1029 - accuracy:
0.7496 [=>.....] - ETA: 0s - loss: 1.0950 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 1.0950 - accuracy:
0.7501 [====>.....] - ETA: 0s - loss: 1.0970 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 1.0970 - accuracy:
0.7481 [=====>.....] - ETA: 0s - loss: 1.0926 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 1.0926 - accuracy:
0.7501 [=====>.....] - ETA: 0s - loss: 1.0944 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 1.0944 - accuracy:
0.7484 [=====>.....] - ETA: 0s - loss: 1.0893 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 1.0893 - accuracy:
0.7496 [=====>.....] - ETA: 0s - loss: 1.0862 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 1.0862 - accuracy:
0.7492 [=====>.....] - ETA: 0s - loss: 1.0856 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 1.0856 - accuracy:
0.7489 [=====>.....] - ETA: 0s - loss: 1.0813 - accuracy:
645/750 [=====>....] - ETA: 0s - loss: 1.0813 - accuracy:
0.7500 [=====>....] - ETA: 0s - loss: 1.0809 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 1.0809 - accuracy:
0.7497 [=====>..] - ETA: 0s - loss: 1.0799 - accuracy:
750/750 [=====] - 1s 856us/step - loss: 1.0799 - accuracy:
0.7501 - val_loss: 1.0638 - val_accuracy: 0.7514
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 1.2057 - accuracy:
0.6562 [.....] - ETA: 0s - loss: 1.0773 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 1.0773 - accuracy:

0.7506 [.....] - ETA: 0s - loss: 1.0586 - accuracy: 0.7532
145/750 [====>.....] - ETA: 0s - loss: 1.0586 - accuracy: 0.7532
0.7532 [.....] - ETA: 0s - loss: 1.0616 - accuracy: 0.7543
219/750 [=====>.....] - ETA: 0s - loss: 1.0616 - accuracy: 0.7543
0.7543 [.....] - ETA: 0s - loss: 1.0579 - accuracy: 0.7556
292/750 [=====>.....] - ETA: 0s - loss: 1.0579 - accuracy: 0.7556
0.7556 [.....] - ETA: 0s - loss: 1.0501 - accuracy: 0.7585
363/750 [=====>.....] - ETA: 0s - loss: 1.0501 - accuracy: 0.7585
0.7585 [.....] - ETA: 0s - loss: 1.0481 - accuracy: 0.7593
437/750 [=====>.....] - ETA: 0s - loss: 1.0481 - accuracy: 0.7593
0.7593 [.....] - ETA: 0s - loss: 1.0467 - accuracy: 0.7589
509/750 [=====>.....] - ETA: 0s - loss: 1.0467 - accuracy: 0.7589
0.7589 [.....] - ETA: 0s - loss: 1.0465 - accuracy: 0.7587
581/750 [=====>.....] - ETA: 0s - loss: 1.0465 - accuracy: 0.7587
0.7587 [.....] - ETA: 0s - loss: 1.0437 - accuracy: 0.7609
652/750 [=====>....] - ETA: 0s - loss: 1.0437 - accuracy: 0.7609
0.7609 [.....] - ETA: 0s - loss: 1.0416 - accuracy: 0.7617
721/750 [=====>..] - ETA: 0s - loss: 1.0416 - accuracy: 0.7617
0.7617 [.....] - ETA: 1s 856us/step - loss: 1.0410 - accuracy: 0.7619
750/750 [=====] - ETA: 1s 856us/step - loss: 1.0410 - accuracy: 0.7619
0.7619 - val_loss: 1.0278 - val_accuracy: 0.7634
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 1.0646 - accuracy: 0.7812
0.7812 [.....] - ETA: 0s - loss: 1.0034 - accuracy: 0.7752
72/750 [=>.....] - ETA: 0s - loss: 1.0034 - accuracy: 0.7752
0.7752 [.....] - ETA: 0s - loss: 1.0152 - accuracy: 0.7718
142/750 [====>.....] - ETA: 0s - loss: 1.0152 - accuracy: 0.7718
0.7718 [.....] - ETA: 0s - loss: 1.0209 - accuracy: 0.7669
212/750 [=====>.....] - ETA: 0s - loss: 1.0209 - accuracy: 0.7669
0.7669 [.....] - ETA: 0s - loss: 1.0251 - accuracy: 0.7636
280/750 [=====>.....] - ETA: 0s - loss: 1.0251 - accuracy: 0.7636
0.7636 [.....] - ETA: 0s - loss: 1.0223 - accuracy: 0.7666
350/750 [=====>.....] - ETA: 0s - loss: 1.0223 - accuracy: 0.7666
0.7666 [.....] - ETA: 0s - loss: 1.0200 - accuracy: 0.7678
422/750 [=====>.....] - ETA: 0s - loss: 1.0200 - accuracy: 0.7678
0.7678 [.....] - ETA: 0s - loss: 1.0171 - accuracy: 0.7689
496/750 [=====>.....] - ETA: 0s - loss: 1.0171 - accuracy: 0.7689
0.7689 [.....] - ETA: 0s - loss: 1.0139 - accuracy: 0.7711
567/750 [=====>.....] - ETA: 0s - loss: 1.0139 - accuracy: 0.7711
0.7711 [.....] - ETA: 0s - loss: 1.0129 - accuracy: 0.7713
641/750 [=====>....] - ETA: 0s - loss: 1.0129 - accuracy: 0.7713
0.7713 [.....] - ETA: 0s - loss: 1.0134 - accuracy: 0.7710
713/750 [=====>..] - ETA: 0s - loss: 1.0134 - accuracy: 0.7710
0.7710 [.....] - ETA: 1s 852us/step - loss: 1.0122 - accuracy: 0.7714
750/750 [=====] - ETA: 1s 852us/step - loss: 1.0122 - accuracy: 0.7714
0.7714 - val_loss: 1.0011 - val_accuracy: 0.7752
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 1.0832 - accuracy:

0.6562 [.....] - ETA: 0s - loss: 1.0139 - accuracy: 0.7371
73/750 [=>.....] - ETA: 0s - loss: 1.0098 - accuracy: 0.7671
148/750 [====>.....] - ETA: 0s - loss: 1.0062 - accuracy: 0.7702
218/750 [=====>.....] - ETA: 0s - loss: 1.0002 - accuracy: 0.7710
290/750 [======>.....] - ETA: 0s - loss: 1.0011 - accuracy: 0.7761
363/750 [======>.....] - ETA: 0s - loss: 0.9947 - accuracy: 0.7782
436/750 [======>.....] - ETA: 0s - loss: 0.9925 - accuracy: 0.7789
508/750 [======>.....] - ETA: 0s - loss: 0.9906 - accuracy: 0.7787
580/750 [======>.....] - ETA: 0s - loss: 0.9887 - accuracy: 0.7795
653/750 [======>....] - ETA: 0s - loss: 0.9887 - accuracy: 0.7790
725/750 [======>.] - ETA: 0s - loss: 0.9891 - accuracy: 0.7789
750/750 [=====] - 1s 846us/step - loss: 0.9891 - accuracy: 0.7789 - val_loss: 0.9831 - val_accuracy: 0.7762
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.9802 - accuracy: 0.7188
74/750 [=>.....] - ETA: 0s - loss: 0.9801 - accuracy: 0.7819
146/750 [====>.....] - ETA: 0s - loss: 0.9798 - accuracy: 0.7812
222/750 [=====>.....] - ETA: 0s - loss: 0.9790 - accuracy: 0.7823
293/750 [======>.....] - ETA: 0s - loss: 0.9795 - accuracy: 0.7821
364/750 [======>.....] - ETA: 0s - loss: 0.9763 - accuracy: 0.7820
438/750 [======>.....] - ETA: 0s - loss: 0.9760 - accuracy: 0.7826
509/750 [======>.....] - ETA: 0s - loss: 0.9740 - accuracy: 0.7834
582/750 [======>.....] - ETA: 0s - loss: 0.9716 - accuracy: 0.7838
654/750 [======>....] - ETA: 0s - loss: 0.9710 - accuracy: 0.7848
726/750 [======>.] - ETA: 0s - loss: 0.9697 - accuracy: 0.7857
750/750 [=====] - 1s 841us/step - loss: 0.9697 - accuracy: 0.7862 - val_loss: 0.9638 - val_accuracy: 0.7853
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.9390 - accuracy: 0.8281
74/750 [=>.....] - ETA: 0s - loss: 0.9592 - accuracy: 0.7908
147/750 [====>.....] - ETA: 0s - loss: 0.9545 - accuracy: 0.7901
220/750 [=====>.....] - ETA: 0s - loss: 0.9621 - accuracy: 0.7871
291/750 [======>.....] - ETA: 0s - loss: 0.9589 - accuracy: 0.7877
363/750 [======>.....] - ETA: 0s - loss: 0.9574 - accuracy: 0.7899
433/750 [======>.....] - ETA: 0s - loss: 0.9584 - accuracy: 0.7906
504/750 [======>.....] - ETA: 0s - loss: 0.9587 - accuracy: 0.7907
576/750 [======>.....] - ETA: 0s - loss: 0.9574 - accuracy: 0.7907
649/750 [======>.....] - ETA: 0s - loss: 0.9563 - accuracy: 0.7912
723/750 [======>..] - ETA: 0s - loss: 0.9543 - accuracy: 0.7919
750/750 [=====] - 1s 845us/step - loss: 0.9540 - accuracy: 0.7918 - val_loss: 0.9507 - val_accuracy: 0.7935
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 0.7228 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.9335 - accuracy: 0.8027
146/750 [====>.....] - ETA: 0s - loss: 0.9448 - accuracy: 0.7966
218/750 [=====>.....] - ETA: 0s - loss: 0.9451 - accuracy: 0.7955
289/750 [======>.....] - ETA: 0s - loss: 0.9424 - accuracy: 0.7969
362/750 [======>.....] - ETA: 0s - loss: 0.9401 - accuracy: 0.7979
433/750 [======>.....] - ETA: 0s - loss: 0.9391 - accuracy: 0.7976
506/750 [======>.....] - ETA: 0s - loss: 0.9393 - accuracy: 0.7972
580/750 [======>.....] - ETA: 0s - loss: 0.9391 - accuracy: 0.7974
653/750 [======>....] - ETA: 0s - loss: 0.9385 - accuracy: 0.7973
723/750 [======>..] - ETA: 0s - loss: 0.9401 - accuracy: 0.7973
750/750 [=====] - 1s 850us/step - loss: 0.9400 - accuracy:

0.7971 - val_loss: 0.9362 - val_accuracy: 0.7972
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.9935 - accuracy: 0.7500
74/750 [=>.....] - ETA: 0s - loss: 0.9397 - accuracy: 0.8013
146/750 [====>.....] - ETA: 0s - loss: 0.9499 - accuracy: 0.7977
217/750 [=====>.....] - ETA: 0s - loss: 0.9339 - accuracy: 0.8026
290/750 [======>.....] - ETA: 0s - loss: 0.9340 - accuracy: 0.8011
362/750 [======>.....] - ETA: 0s - loss: 0.9350 - accuracy: 0.7998
435/750 [======>.....] - ETA: 0s - loss: 0.9320 - accuracy: 0.8009
507/750 [======>.....] - ETA: 0s - loss: 0.9326 - accuracy: 0.8012
580/750 [======>.....] - ETA: 0s - loss: 0.9301 - accuracy: 0.8025
653/750 [======>....] - ETA: 0s - loss: 0.9288 - accuracy: 0.8025
725/750 [======>.] - ETA: 0s - loss: 0.9281 - accuracy: 0.8024
750/750 [=====] - 1s 846us/step - loss: 0.9279 - accuracy: 0.8024 - val_loss: 0.9259 - val_accuracy: 0.8027
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 0.9631 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.9216 - accuracy: 0.8034
146/750 [====>.....] - ETA: 0s - loss: 0.9217 - accuracy: 0.8014
218/750 [=====>.....] - ETA: 0s - loss: 0.9126 - accuracy: 0.8042
291/750 [======>.....] - ETA: 0s - loss: 0.9204 - accuracy: 0.8028
363/750 [======>.....] - ETA: 0s - loss: 0.9202 - accuracy: 0.8032
435/750 [======>.....] - ETA: 0s - loss: 0.9189 - accuracy: 0.8038
505/750 [======>.....] - ETA: 0s - loss: 0.9193 - accuracy: 0.8038
575/750 [======>.....] - ETA: 0s - loss: 0.9191 - accuracy: 0.8042
647/750 [======>....] - ETA: 0s - loss: 0.9168 - accuracy: 0.8056
718/750 [======>..] - ETA: 0s - loss: 0.9163 - accuracy:

0.8056
750/750 [=====] - 1s 848us/step - loss: 0.9172 - accuracy:
0.8053 - val_loss: 0.9153 - val_accuracy: 0.8060
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 0.9557 - accuracy:
0.7188
72/750 [=>.....] - ETA: 0s - loss: 0.9336 - accuracy:
0.7925
145/750 [====>.....] - ETA: 0s - loss: 0.9174 - accuracy:
0.7998
218/750 [=====>.....] - ETA: 0s - loss: 0.9081 - accuracy:
0.8050
290/750 [======>.....] - ETA: 0s - loss: 0.9084 - accuracy:
0.8057
364/750 [======>.....] - ETA: 0s - loss: 0.9064 - accuracy:
0.8084
435/750 [======>.....] - ETA: 0s - loss: 0.9085 - accuracy:
0.8076
507/750 [======>.....] - ETA: 0s - loss: 0.9102 - accuracy:
0.8082
581/750 [======>.....] - ETA: 0s - loss: 0.9116 - accuracy:
0.8083
653/750 [======>....] - ETA: 0s - loss: 0.9084 - accuracy:
0.8096
727/750 [======>.] - ETA: 0s - loss: 0.9078 - accuracy:
0.8095
750/750 [=====] - 1s 848us/step - loss: 0.9081 - accuracy:
0.8093 - val_loss: 0.9069 - val_accuracy: 0.8080
Epoch 20/220

1/750 [.....] - ETA: 0s - loss: 1.0938 - accuracy:
0.7812
74/750 [=>.....] - ETA: 0s - loss: 0.8810 - accuracy:
0.8207
146/750 [====>.....] - ETA: 0s - loss: 0.8922 - accuracy:
0.8184
218/750 [=====>.....] - ETA: 0s - loss: 0.8928 - accuracy:
0.8172
288/750 [======>.....] - ETA: 0s - loss: 0.8944 - accuracy:
0.8134
362/750 [======>.....] - ETA: 0s - loss: 0.9003 - accuracy:
0.8115
435/750 [======>.....] - ETA: 0s - loss: 0.8983 - accuracy:
0.8127
506/750 [======>.....] - ETA: 0s - loss: 0.8967 - accuracy:
0.8126
578/750 [======>.....] - ETA: 0s - loss: 0.8967 - accuracy:
0.8131
650/750 [======>....] - ETA: 0s - loss: 0.8985 - accuracy:

0.8130 [=====] - ETA: 0s - loss: 0.8986 - accuracy:
721/750 [=====>..] - ETA: 0s - loss: 0.8986 - accuracy:
0.8123 [=====] - ETA: 0s - loss: 0.8986 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.8985 - accuracy:
0.8122 - val_loss: 0.8995 - val_accuracy: 0.8091
Epoch 21/220

1/750 [.....] - ETA: 0s - loss: 1.1481 - accuracy:
0.7812 [.....] - ETA: 0s - loss: 1.1481 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.8784 - accuracy:
0.8194 [.....] - ETA: 0s - loss: 0.8784 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.8932 - accuracy:
0.8135 [.....] - ETA: 0s - loss: 0.8932 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.8917 - accuracy:
0.8136 [.....] - ETA: 0s - loss: 0.8917 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.8946 - accuracy:
0.8130 [.....] - ETA: 0s - loss: 0.8946 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.8962 - accuracy:
0.8121 [.....] - ETA: 0s - loss: 0.8962 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.8932 - accuracy:
0.8126 [.....] - ETA: 0s - loss: 0.8932 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.8939 - accuracy:
0.8121 [.....] - ETA: 0s - loss: 0.8939 - accuracy:
575/750 [=====>.....] - ETA: 0s - loss: 0.8916 - accuracy:
0.8128 [.....] - ETA: 0s - loss: 0.8916 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.8910 - accuracy:
0.8131 [.....] - ETA: 0s - loss: 0.8910 - accuracy:
716/750 [=====>..] - ETA: 0s - loss: 0.8906 - accuracy:
0.8137 [.....] - ETA: 0s - loss: 0.8906 - accuracy:
750/750 [=====] - 1s 850us/step - loss: 0.8902 - accuracy:
0.8140 - val_loss: 0.8894 - val_accuracy: 0.8161
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.9975 - accuracy:
0.7969 [.....] - ETA: 0s - loss: 0.9975 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.9001 - accuracy:
0.8117 [.....] - ETA: 0s - loss: 0.9001 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.8930 - accuracy:
0.8144 [.....] - ETA: 0s - loss: 0.8930 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.8861 - accuracy:
0.8161 [.....] - ETA: 0s - loss: 0.8861 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.8798 - accuracy:
0.8172 [.....] - ETA: 0s - loss: 0.8798 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.8807 - accuracy:
0.8165 [.....] - ETA: 0s - loss: 0.8807 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.8844 - accuracy:
0.8155 [.....] - ETA: 0s - loss: 0.8844 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.8840 - accuracy:
0.8156 [.....] - ETA: 0s - loss: 0.8840 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.8837 - accuracy:

0.8156 [=====>....] - ETA: 0s - loss: 0.8828 - accuracy:
654/750 [=====>....] - ETA: 0s - loss: 0.8828 - accuracy:
0.8162 [=====>....] - ETA: 0s - loss: 0.8822 - accuracy:
727/750 [=====>....] - ETA: 0s - loss: 0.8822 - accuracy:
0.8165 [=====>....] - ETA: 0s - loss: 0.8822 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.8822 - accuracy:
0.8166 - val_loss: 0.8853 - val_accuracy: 0.8183
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.7300 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.8612 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.8612 - accuracy:
0.8217 [==>.....] - ETA: 0s - loss: 0.8705 - accuracy:
146/750 [===>.....] - ETA: 0s - loss: 0.8705 - accuracy:
0.8215 [===>.....] - ETA: 0s - loss: 0.8730 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.8730 - accuracy:
0.8202 [=====>.....] - ETA: 0s - loss: 0.8717 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.8717 - accuracy:
0.8200 [=====>.....] - ETA: 0s - loss: 0.8749 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.8749 - accuracy:
0.8196 [=====>.....] - ETA: 0s - loss: 0.8756 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.8756 - accuracy:
0.8192 [=====>.....] - ETA: 0s - loss: 0.8758 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.8758 - accuracy:
0.8187 [=====>.....] - ETA: 0s - loss: 0.8781 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.8781 - accuracy:
0.8175 [=====>.....] - ETA: 0s - loss: 0.8776 - accuracy:
651/750 [=====>.....] - ETA: 0s - loss: 0.8776 - accuracy:
0.8176 [=====>.....] - ETA: 0s - loss: 0.8760 - accuracy:
722/750 [=====>.....] - ETA: 0s - loss: 0.8760 - accuracy:
0.8183 [=====>.....] - ETA: 0s - loss: 0.8748 - accuracy:
750/750 [=====] - 1s 850us/step - loss: 0.8748 - accuracy:
0.8189 - val_loss: 0.8765 - val_accuracy: 0.8181
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.8529 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.8837 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.8837 - accuracy:
0.8192 [==>.....] - ETA: 0s - loss: 0.8734 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.8734 - accuracy:
0.8215 [===>.....] - ETA: 0s - loss: 0.8773 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.8773 - accuracy:
0.8205 [=====>.....] - ETA: 0s - loss: 0.8754 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.8754 - accuracy:
0.8200 [=====>.....] - ETA: 0s - loss: 0.8744 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.8744 - accuracy:
0.8214 [=====>.....] - ETA: 0s - loss: 0.8712 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.8712 - accuracy:
0.8238 [=====>.....] - ETA: 0s - loss: 0.8699 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.8699 - accuracy:

0.8235
580/750 [=====>.....] - ETA: 0s - loss: 0.8706 - accuracy: 0.8228
653/750 [=====>....] - ETA: 0s - loss: 0.8682 - accuracy: 0.8232
725/750 [=====>.] - ETA: 0s - loss: 0.8690 - accuracy: 0.8222
750/750 [=====] - 1s 848us/step - loss: 0.8679 - accuracy: 0.8226 - val_loss: 0.8684 - val_accuracy: 0.8215
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 0.7708 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.8530 - accuracy: 0.8319
144/750 [===>.....] - ETA: 0s - loss: 0.8676 - accuracy: 0.8253
215/750 [=====>.....] - ETA: 0s - loss: 0.8569 - accuracy: 0.8276
289/750 [=====>.....] - ETA: 0s - loss: 0.8581 - accuracy: 0.8259
362/750 [=====>.....] - ETA: 0s - loss: 0.8585 - accuracy: 0.8259
434/750 [=====>.....] - ETA: 0s - loss: 0.8609 - accuracy: 0.8249
507/750 [=====>.....] - ETA: 0s - loss: 0.8600 - accuracy: 0.8253
580/750 [=====>.....] - ETA: 0s - loss: 0.8581 - accuracy: 0.8259
652/750 [=====>....] - ETA: 0s - loss: 0.8587 - accuracy: 0.8257
724/750 [=====>..] - ETA: 0s - loss: 0.8608 - accuracy: 0.8248
750/750 [=====] - 1s 849us/step - loss: 0.8613 - accuracy: 0.8248 - val_loss: 0.8643 - val_accuracy: 0.8216
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.7486 - accuracy: 0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.8656 - accuracy: 0.8245
145/750 [===>.....] - ETA: 0s - loss: 0.8531 - accuracy: 0.8291
218/750 [=====>.....] - ETA: 0s - loss: 0.8503 - accuracy: 0.8289
291/750 [=====>.....] - ETA: 0s - loss: 0.8493 - accuracy: 0.8307
363/750 [=====>.....] - ETA: 0s - loss: 0.8487 - accuracy: 0.8304
435/750 [=====>.....] - ETA: 0s - loss: 0.8496 - accuracy:

0.8297 [=====>.....] - ETA: 0s - loss: 0.8506 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.8525 - accuracy:
0.8294 [=====>.....] - ETA: 0s - loss: 0.8560 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.8552 - accuracy:
0.8282 [=====>.....] - ETA: 0s - loss: 0.8548 - accuracy:
651/750 [=====>.....] - ETA: 0s - loss: 0.8548 - accuracy:
0.8265 [=====>.....] - ETA: 0s - loss: 0.8548 - accuracy:
722/750 [=====>.....] - ETA: 0s - loss: 0.8548 - accuracy:
0.8269 [=====>.....] - ETA: 0s - loss: 0.8548 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.8548 - accuracy:
0.8272 - val_loss: 0.8553 - val_accuracy: 0.8263
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.8204 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.8631 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.8609 - accuracy:
0.8249 [====>.....] - ETA: 0s - loss: 0.8577 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.8502 - accuracy:
0.8230 [====>.....] - ETA: 0s - loss: 0.8508 - accuracy:
220/750 [====>.....] - ETA: 0s - loss: 0.8482 - accuracy:
0.8256 [====>.....] - ETA: 0s - loss: 0.8495 - accuracy:
290/750 [====>.....] - ETA: 0s - loss: 0.8482 - accuracy:
0.8300 [====>.....] - ETA: 0s - loss: 0.8491 - accuracy:
364/750 [====>.....] - ETA: 0s - loss: 0.8488 - accuracy:
0.8282 [====>.....] - ETA: 0s - loss: 0.8488 - accuracy:
435/750 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
0.8296 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
510/750 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
0.8296 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
581/750 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
0.8294 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
654/750 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
0.8287 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
728/750 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
0.8292 [====>.....] - ETA: 0s - loss: 0.8484 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.8484 - accuracy:
0.8290 - val_loss: 0.8536 - val_accuracy: 0.8273
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.8175 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.8264 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.8351 - accuracy:
0.8391 [====>.....] - ETA: 0s - loss: 0.8332 - accuracy:
138/750 [====>.....] - ETA: 0s - loss: 0.8369 - accuracy:
0.8317 [====>.....] - ETA: 0s - loss: 0.8399 - accuracy:
210/750 [====>.....] - ETA: 0s - loss: 0.8399 - accuracy:
0.8336 [====>.....] - ETA: 0s - loss: 0.8399 - accuracy:
282/750 [====>.....] - ETA: 0s - loss: 0.8399 - accuracy:
0.8302 [====>.....] - ETA: 0s - loss: 0.8399 - accuracy:
356/750 [====>.....] - ETA: 0s - loss: 0.8399 - accuracy:

0.8308 [=====>.....] - ETA: 0s - loss: 0.8402 - accuracy:
428/750 [=====>.....] - ETA: 0s - loss: 0.8402 - accuracy:
0.8308 [=====>.....] - ETA: 0s - loss: 0.8413 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.8413 - accuracy:
0.8304 [=====>.....] - ETA: 0s - loss: 0.8420 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.8420 - accuracy:
0.8306 [=====>.....] - ETA: 0s - loss: 0.8421 - accuracy:
647/750 [=====>.....] - ETA: 0s - loss: 0.8421 - accuracy:
0.8312 [=====>.....] - ETA: 0s - loss: 0.8423 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.8423 - accuracy:
0.8308 [=====>..] - ETA: 0s - loss: 0.8432 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.8432 - accuracy:
0.8305 - val_loss: 0.8472 - val_accuracy: 0.8287
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.7777 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.8331 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.8331 - accuracy:
0.8346 [=>.....] - ETA: 0s - loss: 0.8362 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.8362 - accuracy:
0.8378 [====>.....] - ETA: 0s - loss: 0.8443 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.8443 - accuracy:
0.8341 [=====>.....] - ETA: 0s - loss: 0.8433 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.8433 - accuracy:
0.8327 [=====>.....] - ETA: 0s - loss: 0.8412 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.8412 - accuracy:
0.8323 [=====>.....] - ETA: 0s - loss: 0.8408 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.8408 - accuracy:
0.8327 [=====>.....] - ETA: 0s - loss: 0.8407 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.8407 - accuracy:
0.8333 [=====>.....] - ETA: 0s - loss: 0.8422 - accuracy:
575/750 [=====>.....] - ETA: 0s - loss: 0.8422 - accuracy:
0.8331 [=====>.....] - ETA: 0s - loss: 0.8400 - accuracy:
648/750 [=====>.....] - ETA: 0s - loss: 0.8400 - accuracy:
0.8338 [=====>.....] - ETA: 0s - loss: 0.8377 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.8377 - accuracy:
0.8347 [=====>..] - ETA: 0s - loss: 0.8379 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.8379 - accuracy:
0.8340 - val_loss: 0.8468 - val_accuracy: 0.8268
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.8249 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.8456 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.8456 - accuracy:
0.8270 [=>.....] - ETA: 0s - loss: 0.8407 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.8407 - accuracy:
0.8291 [====>.....] - ETA: 0s - loss: 0.8357 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.8357 - accuracy:
0.8325 [=====>.....] - ETA: 0s - loss: 0.8382 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.8382 - accuracy:

0.8332 [=====>.....] - ETA: 0s - loss: 0.8341 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.8336 - accuracy:
0.8341 [=====>.....] - ETA: 0s - loss: 0.8315 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.8323 - accuracy:
0.8334 [=====>.....] - ETA: 0s - loss: 0.8317 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.8325 - accuracy:
0.8342 [=====>.] - ETA: 0s - loss: 0.8331 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.8331 - accuracy:
0.8343 - val_loss: 0.8386 - val_accuracy: 0.8325
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.7776 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.8288 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.8306 - accuracy:
0.8361 [====>.....] - ETA: 0s - loss: 0.8295 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.8287 - accuracy:
0.8375 [====>.....] - ETA: 0s - loss: 0.8297 - accuracy:
215/750 [====>.....] - ETA: 0s - loss: 0.8309 - accuracy:
0.8380 [====>.....] - ETA: 0s - loss: 0.8315 - accuracy:
287/750 [====>.....] - ETA: 0s - loss: 0.8284 - accuracy:
0.8377 [====>.....] - ETA: 0s - loss: 0.8284 - accuracy:
360/750 [====>.....] - ETA: 0s - loss: 0.8267 - accuracy:
0.8369 [====>.....] - ETA: 0s - loss: 0.8283 - accuracy:
431/750 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
0.8356 [====>.....] - ETA: 0s - loss: 0.8309 - accuracy:
504/750 [====>.....] - ETA: 0s - loss: 0.8266 - accuracy:
0.8348 [====>.....] - ETA: 0s - loss: 0.8296 - accuracy:
577/750 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
0.8356 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
651/750 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
0.8358 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
723/750 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
0.8367 [====>.....] - ETA: 0s - loss: 0.8227 - accuracy:
750/750 [====>.....] - 1s 848us/step - loss: 0.8283 - accuracy:
0.8360 - val_loss: 0.8350 - val_accuracy: 0.8330
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.8227 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.8309 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.8266 - accuracy:
0.8357 [====>.....] - ETA: 0s - loss: 0.8296 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.8296 - accuracy:
0.8356 [====>.....] - ETA: 0s - loss: 0.8296 - accuracy:
218/750 [====>.....] - ETA: 0s - loss: 0.8296 - accuracy:

0.8361 [.....] - ETA: 0s - loss: 0.8261 - accuracy: 0.8363
288/750 [=====>.....] - ETA: 0s - loss: 0.8261 - accuracy: 0.8363
363/750 [=====>.....] - ETA: 0s - loss: 0.8323 - accuracy: 0.8335
434/750 [=====>.....] - ETA: 0s - loss: 0.8279 - accuracy: 0.8358
508/750 [=====>.....] - ETA: 0s - loss: 0.8260 - accuracy: 0.8361
580/750 [=====>.....] - ETA: 0s - loss: 0.8251 - accuracy: 0.8365
651/750 [=====>....] - ETA: 0s - loss: 0.8267 - accuracy: 0.8355
724/750 [=====>..] - ETA: 0s - loss: 0.8248 - accuracy: 0.8364
750/750 [=====] - 1s 850us/step - loss: 0.8240 - accuracy: 0.8369 - val_loss: 0.8297 - val_accuracy: 0.8355
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.8369 - accuracy: 0.8281
74/750 [=>.....] - ETA: 0s - loss: 0.8355 - accuracy: 0.8256
146/750 [====>.....] - ETA: 0s - loss: 0.8342 - accuracy: 0.8311
220/750 [=====>.....] - ETA: 0s - loss: 0.8286 - accuracy: 0.8335
290/750 [=====>.....] - ETA: 0s - loss: 0.8257 - accuracy: 0.8356
363/750 [=====>.....] - ETA: 0s - loss: 0.8204 - accuracy: 0.8373
437/750 [=====>.....] - ETA: 0s - loss: 0.8187 - accuracy: 0.8387
508/750 [=====>.....] - ETA: 0s - loss: 0.8214 - accuracy: 0.8373
580/750 [=====>.....] - ETA: 0s - loss: 0.8201 - accuracy: 0.8383
654/750 [=====>....] - ETA: 0s - loss: 0.8207 - accuracy: 0.8384
724/750 [=====>..] - ETA: 0s - loss: 0.8204 - accuracy: 0.8386
750/750 [=====] - 1s 848us/step - loss: 0.8196 - accuracy: 0.8389 - val_loss: 0.8250 - val_accuracy: 0.8361
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.8672 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.8095 - accuracy: 0.8442
142/750 [====>.....] - ETA: 0s - loss: 0.8170 - accuracy:

0.8417 [=====>.....] - ETA: 0s - loss: 0.8109 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.8109 - accuracy:
0.8435 [=====>.....] - ETA: 0s - loss: 0.8136 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.8136 - accuracy:
0.8419 [=====>.....] - ETA: 0s - loss: 0.8163 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.8163 - accuracy:
0.8398 [=====>.....] - ETA: 0s - loss: 0.8186 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.8186 - accuracy:
0.8395 [=====>.....] - ETA: 0s - loss: 0.8182 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.8182 - accuracy:
0.8392 [=====>.....] - ETA: 0s - loss: 0.8174 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.8174 - accuracy:
0.8399 [=====>.....] - ETA: 0s - loss: 0.8169 - accuracy:
646/750 [=====>.....] - ETA: 0s - loss: 0.8169 - accuracy:
0.8399 [=====>.....] - ETA: 0s - loss: 0.8162 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.8162 - accuracy:
0.8400 [=====] - 1s 848us/step - loss: 0.8154 - accuracy:
0.8401 - val_loss: 0.8236 - val_accuracy: 0.8356
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.8537 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.8004 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.8059 - accuracy:
0.8451 [====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.8050 - accuracy:
0.8456 [====>.....] - ETA: 0s - loss: 0.8067 - accuracy:
216/750 [====>.....] - ETA: 0s - loss: 0.8067 - accuracy:
0.8444 [====>.....] - ETA: 0s - loss: 0.8099 - accuracy:
286/750 [====>.....] - ETA: 0s - loss: 0.8099 - accuracy:
0.8439 [====>.....] - ETA: 0s - loss: 0.8080 - accuracy:
358/750 [====>.....] - ETA: 0s - loss: 0.8080 - accuracy:
0.8417 [====>.....] - ETA: 0s - loss: 0.8096 - accuracy:
431/750 [====>.....] - ETA: 0s - loss: 0.8096 - accuracy:
0.8426 [====>.....] - ETA: 0s - loss: 0.8099 - accuracy:
503/750 [====>.....] - ETA: 0s - loss: 0.8099 - accuracy:
0.8424 [====>.....] - ETA: 0s - loss: 0.8094 - accuracy:
575/750 [====>.....] - ETA: 0s - loss: 0.8094 - accuracy:
0.8430 [====>.....] - ETA: 0s - loss: 0.8109 - accuracy:
647/750 [====>.....] - ETA: 0s - loss: 0.8109 - accuracy:
0.8429 [====>..] - ETA: 0s - loss: 0.8115 - accuracy:
716/750 [====>..] - ETA: 0s - loss: 0.8115 - accuracy:
0.8420 [====>..] - 1s 853us/step - loss: 0.8115 - accuracy:
750/750 [====>..] - 1s 853us/step - loss: 0.8115 - accuracy:
0.8419 - val_loss: 0.8272 - val_accuracy: 0.8342
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.6594 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.8156 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.8156 - accuracy:

0.8402 [=====>.....] - ETA: 0s - loss: 0.8069 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.8069 - accuracy:
0.8434 [=====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.8059 - accuracy:
0.8425 [=====>.....] - ETA: 0s - loss: 0.8096 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.8096 - accuracy:
0.8422 [=====>.....] - ETA: 0s - loss: 0.8089 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.8089 - accuracy:
0.8409 [=====>.....] - ETA: 0s - loss: 0.8108 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.8108 - accuracy:
0.8406 [=====>.....] - ETA: 0s - loss: 0.8121 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.8121 - accuracy:
0.8405 [=====>.....] - ETA: 0s - loss: 0.8108 - accuracy:
575/750 [=====>.....] - ETA: 0s - loss: 0.8108 - accuracy:
0.8409 [=====>.....] - ETA: 0s - loss: 0.8093 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.8093 - accuracy:
0.8413 [=====>.....] - ETA: 0s - loss: 0.8099 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.8099 - accuracy:
0.8409 [=====] - 1s 848us/step - loss: 0.8080 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.8080 - accuracy:
0.8418 - val_loss: 0.8182 - val_accuracy: 0.8381
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.9447 - accuracy:
0.8125 [=>.....] - ETA: 0s - loss: 0.8095 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.8095 - accuracy:
0.8433 [====>.....] - ETA: 0s - loss: 0.8083 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.8083 - accuracy:
0.8412 [====>.....] - ETA: 0s - loss: 0.8089 - accuracy:
218/750 [====>.....] - ETA: 0s - loss: 0.8089 - accuracy:
0.8400 [====>.....] - ETA: 0s - loss: 0.8049 - accuracy:
290/750 [====>.....] - ETA: 0s - loss: 0.8049 - accuracy:
0.8428 [====>.....] - ETA: 0s - loss: 0.8062 - accuracy:
363/750 [====>.....] - ETA: 0s - loss: 0.8062 - accuracy:
0.8430 [====>.....] - ETA: 0s - loss: 0.8045 - accuracy:
435/750 [====>.....] - ETA: 0s - loss: 0.8045 - accuracy:
0.8429 [====>.....] - ETA: 0s - loss: 0.8040 - accuracy:
505/750 [====>.....] - ETA: 0s - loss: 0.8040 - accuracy:
0.8442 [====>.....] - ETA: 0s - loss: 0.8037 - accuracy:
577/750 [====>.....] - ETA: 0s - loss: 0.8037 - accuracy:
0.8441 [====>.....] - ETA: 0s - loss: 0.8037 - accuracy:
649/750 [====>.....] - ETA: 0s - loss: 0.8037 - accuracy:
0.8440 [====>.....] - ETA: 0s - loss: 0.8048 - accuracy:
722/750 [====>..] - ETA: 0s - loss: 0.8048 - accuracy:
0.8438 [====>..] - 1s 848us/step - loss: 0.8040 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.8040 - accuracy:
0.8440 - val_loss: 0.8117 - val_accuracy: 0.8381
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.9048 - accuracy:

0.8281 [.....] - ETA: 0s - loss: 0.8012 - accuracy: 0.8511
72/750 [=>.....] - ETA: 0s - loss: 0.8012 - accuracy: 0.8511
145/750 [====>.....] - ETA: 0s - loss: 0.7949 - accuracy: 0.8515
219/750 [=====>.....] - ETA: 0s - loss: 0.7958 - accuracy: 0.8500
290/750 [======>.....] - ETA: 0s - loss: 0.7992 - accuracy: 0.8457
362/750 [======>.....] - ETA: 0s - loss: 0.7956 - accuracy: 0.8478
434/750 [======>.....] - ETA: 0s - loss: 0.7959 - accuracy: 0.8474
506/750 [======>.....] - ETA: 0s - loss: 0.7946 - accuracy: 0.8479
580/750 [======>.....] - ETA: 0s - loss: 0.7960 - accuracy: 0.8468
651/750 [======>....] - ETA: 0s - loss: 0.7980 - accuracy: 0.8460
724/750 [======>..] - ETA: 0s - loss: 0.8009 - accuracy: 0.8454
750/750 [=====] - 1s 844us/step - loss: 0.8005 - accuracy: 0.8455 - val_loss: 0.8085 - val_accuracy: 0.8412
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.8131 - accuracy: 0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.7962 - accuracy: 0.8503
144/750 [====>.....] - ETA: 0s - loss: 0.7905 - accuracy: 0.8482
218/750 [=====>.....] - ETA: 0s - loss: 0.7915 - accuracy: 0.8470
292/750 [======>.....] - ETA: 0s - loss: 0.7931 - accuracy: 0.8473
363/750 [======>.....] - ETA: 0s - loss: 0.7919 - accuracy: 0.8468
437/750 [======>.....] - ETA: 0s - loss: 0.7926 - accuracy: 0.8475
509/750 [======>.....] - ETA: 0s - loss: 0.7958 - accuracy: 0.8465
580/750 [======>.....] - ETA: 0s - loss: 0.7962 - accuracy: 0.8463
654/750 [======>....] - ETA: 0s - loss: 0.7981 - accuracy: 0.8454
727/750 [======>..] - ETA: 0s - loss: 0.7982 - accuracy: 0.8452
750/750 [=====] - 1s 842us/step - loss: 0.7974 - accuracy: 0.8456 - val_loss: 0.8080 - val_accuracy: 0.8416
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.9022 - accuracy: 0.8281
71/750 [= >.....] - ETA: 0s - loss: 0.8129 - accuracy: 0.8367
144/750 [====>.....] - ETA: 0s - loss: 0.8142 - accuracy: 0.8397
217/750 [===== >.....] - ETA: 0s - loss: 0.7994 - accuracy: 0.8437
288/750 [===== >.....] - ETA: 0s - loss: 0.8009 - accuracy: 0.8432
362/750 [===== >.....] - ETA: 0s - loss: 0.7945 - accuracy: 0.8458
435/750 [===== >.....] - ETA: 0s - loss: 0.7974 - accuracy: 0.8447
508/750 [===== >.....] - ETA: 0s - loss: 0.7955 - accuracy: 0.8461
579/750 [===== >.....] - ETA: 0s - loss: 0.7953 - accuracy: 0.8457
651/750 [===== >....] - ETA: 0s - loss: 0.7940 - accuracy: 0.8466
724/750 [===== >..] - ETA: 0s - loss: 0.7934 - accuracy: 0.8471
750/750 [=====] - 1s 846us/step - loss: 0.7942 - accuracy: 0.8467 - val_loss: 0.8086 - val_accuracy: 0.8414
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.9180 - accuracy: 0.8281
72/750 [= >.....] - ETA: 0s - loss: 0.7923 - accuracy: 0.8451
145/750 [====>.....] - ETA: 0s - loss: 0.7917 - accuracy: 0.8447
218/750 [===== >.....] - ETA: 0s - loss: 0.7935 - accuracy: 0.8452
291/750 [===== >.....] - ETA: 0s - loss: 0.7903 - accuracy: 0.8446
364/750 [===== >.....] - ETA: 0s - loss: 0.7915 - accuracy: 0.8451
437/750 [===== >.....] - ETA: 0s - loss: 0.7922 - accuracy: 0.8446
510/750 [===== >.....] - ETA: 0s - loss: 0.7913 - accuracy: 0.8450
584/750 [===== >.....] - ETA: 0s - loss: 0.7905 - accuracy: 0.8460
655/750 [===== >....] - ETA: 0s - loss: 0.7908 - accuracy: 0.8465
715/750 [===== >..] - ETA: 0s - loss: 0.7898 - accuracy: 0.8466
750/750 [=====] - 1s 854us/step - loss: 0.7906 - accuracy:

0.8469 - val_loss: 0.8005 - val_accuracy: 0.8445
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.8132 - accuracy: 0.8125
72/750 [=>.....] - ETA: 0s - loss: 0.7786 - accuracy: 0.8479
144/750 [====>.....] - ETA: 0s - loss: 0.7723 - accuracy: 0.8517
215/750 [=====>.....] - ETA: 0s - loss: 0.7769 - accuracy: 0.8498
286/750 [======>.....] - ETA: 0s - loss: 0.7830 - accuracy: 0.8481
355/750 [======>.....] - ETA: 0s - loss: 0.7900 - accuracy: 0.8463
427/750 [======>.....] - ETA: 0s - loss: 0.7890 - accuracy: 0.8463
498/750 [======>.....] - ETA: 0s - loss: 0.7887 - accuracy: 0.8473
569/750 [======>.....] - ETA: 0s - loss: 0.7896 - accuracy: 0.8469
642/750 [======>.....] - ETA: 0s - loss: 0.7887 - accuracy: 0.8475
712/750 [======>..] - ETA: 0s - loss: 0.7872 - accuracy: 0.8491
750/750 [=====] - 1s 858us/step - loss: 0.7873 - accuracy: 0.8489 - val_loss: 0.7985 - val_accuracy: 0.8441
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 1.0260 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.7979 - accuracy: 0.8473
144/750 [====>.....] - ETA: 0s - loss: 0.7836 - accuracy: 0.8505
214/750 [=====>.....] - ETA: 0s - loss: 0.7804 - accuracy: 0.8502
286/750 [======>.....] - ETA: 0s - loss: 0.7818 - accuracy: 0.8500
358/750 [======>.....] - ETA: 0s - loss: 0.7793 - accuracy: 0.8506
429/750 [======>.....] - ETA: 0s - loss: 0.7801 - accuracy: 0.8504
502/750 [======>.....] - ETA: 0s - loss: 0.7806 - accuracy: 0.8505
572/750 [======>.....] - ETA: 0s - loss: 0.7820 - accuracy: 0.8498
644/750 [======>.....] - ETA: 0s - loss: 0.7847 - accuracy: 0.8489
714/750 [======>..] - ETA: 0s - loss: 0.7848 - accuracy:

0.8491 [.....] - ETA: 0s - loss: 0.7841 - accuracy: 0.8493 - val_loss: 0.8089 - val_accuracy: 0.8382
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.7330 - accuracy: 0.8594
69/750 [=>.....] - ETA: 0s - loss: 0.7910 - accuracy: 0.8438
142/750 [====>.....] - ETA: 0s - loss: 0.7837 - accuracy: 0.8479
213/750 [=====>.....] - ETA: 0s - loss: 0.7829 - accuracy: 0.8494
285/750 [======>.....] - ETA: 0s - loss: 0.7797 - accuracy: 0.8505
358/750 [======>.....] - ETA: 0s - loss: 0.7798 - accuracy: 0.8508
428/750 [======>.....] - ETA: 0s - loss: 0.7780 - accuracy: 0.8515
500/750 [======>.....] - ETA: 0s - loss: 0.7789 - accuracy: 0.8509
572/750 [======>.....] - ETA: 0s - loss: 0.7788 - accuracy: 0.8503
643/750 [======>.....] - ETA: 0s - loss: 0.7811 - accuracy: 0.8496
714/750 [======>..] - ETA: 0s - loss: 0.7815 - accuracy: 0.8501
750/750 [=====] - 1s 858us/step - loss: 0.7817 - accuracy: 0.8498 - val_loss: 0.7971 - val_accuracy: 0.8435
Epoch 45/220

1/750 [.....] - ETA: 0s - loss: 0.7286 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.7903 - accuracy: 0.8496
144/750 [====>.....] - ETA: 0s - loss: 0.7760 - accuracy: 0.8557
217/750 [=====>.....] - ETA: 0s - loss: 0.7798 - accuracy: 0.8512
288/750 [======>.....] - ETA: 0s - loss: 0.7832 - accuracy: 0.8501
357/750 [======>.....] - ETA: 0s - loss: 0.7840 - accuracy: 0.8495
429/750 [======>.....] - ETA: 0s - loss: 0.7819 - accuracy: 0.8496
498/750 [======>.....] - ETA: 0s - loss: 0.7813 - accuracy: 0.8504
571/750 [======>.....] - ETA: 0s - loss: 0.7819 - accuracy: 0.8502
645/750 [======>.....] - ETA: 0s - loss: 0.7809 - accuracy: 0.8502

0.8505 [=====>..] - ETA: 0s - loss: 0.7796 - accuracy:
0.8511 [=====] - 1s 857us/step - loss: 0.7788 - accuracy:
0.8513 - val_loss: 0.7914 - val_accuracy: 0.8457
Epoch 46/220

1/750 [.....] - ETA: 0s - loss: 0.6457 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.7707 - accuracy:
0.8492 [====>.....] - ETA: 0s - loss: 0.7698 - accuracy:
0.8524 [=====>.....] - ETA: 0s - loss: 0.7659 - accuracy:
0.8531 [=====>.....] - ETA: 0s - loss: 0.7690 - accuracy:
0.8521 [=====>.....] - ETA: 0s - loss: 0.7743 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.7744 - accuracy:
0.8510 [=====>.....] - ETA: 0s - loss: 0.7741 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.7733 - accuracy:
0.8522 [=====>.....] - ETA: 0s - loss: 0.7756 - accuracy:
0.8510 [=====>..] - ETA: 0s - loss: 0.7754 - accuracy:
0.8517 [=====] - 1s 853us/step - loss: 0.7759 - accuracy:
0.8514 - val_loss: 0.7898 - val_accuracy: 0.8457
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.7454 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.7573 - accuracy:
0.8528 [====>.....] - ETA: 0s - loss: 0.7563 - accuracy:
0.8579 [=====>.....] - ETA: 0s - loss: 0.7599 - accuracy:
0.8569 [=====>.....] - ETA: 0s - loss: 0.7633 - accuracy:
0.8573 [=====>.....] - ETA: 0s - loss: 0.7696 - accuracy:
0.8543 [=====>.....] - ETA: 0s - loss: 0.7721 - accuracy:
0.8526 [=====>.....] - ETA: 0s - loss: 0.7732 - accuracy:
0.8518 [=====>.....] - ETA: 0s - loss: 0.7747 - accuracy:

0.8512 [=====>.....] - ETA: 0s - loss: 0.7736 - accuracy:
640/750 [=====>.....] - ETA: 0s - loss: 0.7736 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.7736 - accuracy:
712/750 [=====>.....] - ETA: 0s - loss: 0.7727 - accuracy:
0.8520 [=====>.....] - ETA: 0s - loss: 0.7727 - accuracy:
750/750 [=====] - 1s 860us/step - loss: 0.7732 - accuracy:
0.8520 - val_loss: 0.7858 - val_accuracy: 0.8470
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.6509 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6509 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.7771 - accuracy:
0.8498 [=>.....] - ETA: 0s - loss: 0.7771 - accuracy:
142/750 [=====>.....] - ETA: 0s - loss: 0.7745 - accuracy:
0.8516 [=====>.....] - ETA: 0s - loss: 0.7745 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.7772 - accuracy:
0.8504 [=====>.....] - ETA: 0s - loss: 0.7772 - accuracy:
281/750 [=====>.....] - ETA: 0s - loss: 0.7773 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.7773 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.7737 - accuracy:
0.8521 [=====>.....] - ETA: 0s - loss: 0.7737 - accuracy:
424/750 [=====>.....] - ETA: 0s - loss: 0.7709 - accuracy:
0.8524 [=====>.....] - ETA: 0s - loss: 0.7709 - accuracy:
496/750 [=====>.....] - ETA: 0s - loss: 0.7725 - accuracy:
0.8518 [=====>.....] - ETA: 0s - loss: 0.7725 - accuracy:
565/750 [=====>.....] - ETA: 0s - loss: 0.7728 - accuracy:
0.8511 [=====>.....] - ETA: 0s - loss: 0.7728 - accuracy:
637/750 [=====>.....] - ETA: 0s - loss: 0.7735 - accuracy:
0.8514 [=====>.....] - ETA: 0s - loss: 0.7735 - accuracy:
708/750 [=====>.....] - ETA: 0s - loss: 0.7703 - accuracy:
0.8527 [=====>.....] - ETA: 0s - loss: 0.7703 - accuracy:
750/750 [=====] - 1s 865us/step - loss: 0.7703 - accuracy:
0.8528 - val_loss: 0.7847 - val_accuracy: 0.8466
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.8587 - accuracy:
0.7656 [.....] - ETA: 0s - loss: 0.8587 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7765 - accuracy:
0.8503 [=>.....] - ETA: 0s - loss: 0.7765 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.7689 - accuracy:
0.8546 [=====>.....] - ETA: 0s - loss: 0.7689 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.7641 - accuracy:
0.8561 [=====>.....] - ETA: 0s - loss: 0.7641 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.7697 - accuracy:
0.8522 [=====>.....] - ETA: 0s - loss: 0.7697 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.7673 - accuracy:
0.8528 [=====>.....] - ETA: 0s - loss: 0.7673 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.7664 - accuracy:
0.8520 [=====>.....] - ETA: 0s - loss: 0.7664 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.7697 - accuracy:

0.8508 [=====>.....] - ETA: 0s - loss: 0.7672 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.7672 - accuracy:
0.8526 [=====>.....] - ETA: 0s - loss: 0.7680 - accuracy:
646/750 [=====>.....] - ETA: 0s - loss: 0.7680 - accuracy:
0.8527 [=====>.....] - ETA: 0s - loss: 0.7667 - accuracy:
717/750 [=====>.....] - ETA: 0s - loss: 0.7667 - accuracy:
0.8533 [=====>.....] - ETA: 0s - loss: 0.7674 - accuracy:
750/750 [=====] - 1s 854us/step - loss: 0.7674 - accuracy:
0.8528 - val_loss: 0.7823 - val_accuracy: 0.8467
Epoch 50/220

1/750 [=====>.....] - ETA: 0s - loss: 0.6488 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.7449 - accuracy:
72/750 [=====>.....] - ETA: 0s - loss: 0.7449 - accuracy:
0.8596 [=====>.....] - ETA: 0s - loss: 0.7486 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.7486 - accuracy:
0.8547 [=====>.....] - ETA: 0s - loss: 0.7566 - accuracy:
212/750 [=====>.....] - ETA: 0s - loss: 0.7566 - accuracy:
0.8548 [=====>.....] - ETA: 0s - loss: 0.7638 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.7638 - accuracy:
0.8527 [=====>.....] - ETA: 0s - loss: 0.7669 - accuracy:
355/750 [=====>.....] - ETA: 0s - loss: 0.7669 - accuracy:
0.8522 [=====>.....] - ETA: 0s - loss: 0.7628 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.7628 - accuracy:
0.8530 [=====>.....] - ETA: 0s - loss: 0.7623 - accuracy:
499/750 [=====>.....] - ETA: 0s - loss: 0.7623 - accuracy:
0.8530 [=====>.....] - ETA: 0s - loss: 0.7632 - accuracy:
571/750 [=====>.....] - ETA: 0s - loss: 0.7632 - accuracy:
0.8531 [=====>.....] - ETA: 0s - loss: 0.7645 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.7645 - accuracy:
0.8524 [=====>.....] - ETA: 0s - loss: 0.7638 - accuracy:
715/750 [=====>.....] - ETA: 0s - loss: 0.7638 - accuracy:
0.8530 [=====>.....] - ETA: 0s - loss: 0.7648 - accuracy:
750/750 [=====] - 1s 858us/step - loss: 0.7648 - accuracy:
0.8530 - val_loss: 0.7818 - val_accuracy: 0.8469
Epoch 51/220

1/750 [=====>.....] - ETA: 0s - loss: 0.8271 - accuracy:
0.7969 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
73/750 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
0.8560 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.7543 - accuracy:
0.8571 [=====>.....] - ETA: 0s - loss: 0.7628 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.7628 - accuracy:
0.8535 [=====>.....] - ETA: 0s - loss: 0.7637 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.7637 - accuracy:
0.8531 [=====>.....] - ETA: 0s - loss: 0.7649 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.7649 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.7661 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.7661 - accuracy:

0.8514 [=====>.....] - ETA: 0s - loss: 0.7637 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.7632 - accuracy:
0.8530 [=====>.....] - ETA: 0s - loss: 0.7626 - accuracy:
571/750 [=====>.....] - ETA: 0s - loss: 0.7629 - accuracy:
0.8532 [=====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
0.8537 [=====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
712/750 [=====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
0.8538 [=====>.....] - ETA: 0s - loss: 0.7627 - accuracy:
750/750 [=====] - 1s 862us/step - loss: 0.7627 - accuracy:
0.8536 - val_loss: 0.7791 - val_accuracy: 0.8480
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.7336 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.7748 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.7654 - accuracy:
0.8515 [=====>.....] - ETA: 0s - loss: 0.7662 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.7576 - accuracy:
0.8533 [=====>.....] - ETA: 0s - loss: 0.7604 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.7619 - accuracy:
0.8529 [=====>.....] - ETA: 0s - loss: 0.7614 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.7596 - accuracy:
0.8566 [=====>.....] - ETA: 0s - loss: 0.7598 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.7592 - accuracy:
0.8552 [=====>.....] - ETA: 0s - loss: 0.7600 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.6969 - accuracy:
0.8553 [=====>.....] - ETA: 0s - loss: 0.7340 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.7502 - accuracy:
0.8554 [=====>.....] - ETA: 0s - loss: 0.7502 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8557 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8560 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
713/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8561 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
750/750 [=====] - 1s 864us/step - loss: 0.7600 - accuracy:
0.8555 - val_loss: 0.7766 - val_accuracy: 0.8503
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.6969 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.7340 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7502 - accuracy:
0.8722 [=====>.....] - ETA: 0s - loss: 0.7502 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8619 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8580 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
0.8592 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy:

0.8584 [=====>.....] - ETA: 0s - loss: 0.7533 - accuracy:
427/750 [=====>.....] - ETA: 0s - loss: 0.7533 - accuracy:
0.8589 [=====>.....] - ETA: 0s - loss: 0.7547 - accuracy:
497/750 [=====>.....] - ETA: 0s - loss: 0.7547 - accuracy:
0.8585 [=====>.....] - ETA: 0s - loss: 0.7569 - accuracy:
570/750 [=====>.....] - ETA: 0s - loss: 0.7569 - accuracy:
0.8573 [=====>.....] - ETA: 0s - loss: 0.7557 - accuracy:
640/750 [=====>.....] - ETA: 0s - loss: 0.7557 - accuracy:
0.8575 [=====>.....] - ETA: 0s - loss: 0.7573 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.7573 - accuracy:
0.8562 [=====] - 1s 860us/step - loss: 0.7576 - accuracy:
750/750 [=====] - 1s 860us/step - loss: 0.7576 - accuracy:
0.8559 - val_loss: 0.7745 - val_accuracy: 0.8496
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.6287 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.7558 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7558 - accuracy:
0.8611 [====>.....] - ETA: 0s - loss: 0.7589 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.7589 - accuracy:
0.8600 [====>.....] - ETA: 0s - loss: 0.7586 - accuracy:
212/750 [====>.....] - ETA: 0s - loss: 0.7586 - accuracy:
0.8586 [====>.....] - ETA: 0s - loss: 0.7578 - accuracy:
283/750 [====>.....] - ETA: 0s - loss: 0.7578 - accuracy:
0.8572 [====>.....] - ETA: 0s - loss: 0.7579 - accuracy:
355/750 [====>.....] - ETA: 0s - loss: 0.7579 - accuracy:
0.8562 [====>.....] - ETA: 0s - loss: 0.7566 - accuracy:
426/750 [====>.....] - ETA: 0s - loss: 0.7566 - accuracy:
0.8560 [====>.....] - ETA: 0s - loss: 0.7585 - accuracy:
496/750 [====>.....] - ETA: 0s - loss: 0.7585 - accuracy:
0.8552 [====>.....] - ETA: 0s - loss: 0.7576 - accuracy:
568/750 [====>.....] - ETA: 0s - loss: 0.7576 - accuracy:
0.8561 [====>.....] - ETA: 0s - loss: 0.7580 - accuracy:
638/750 [====>.....] - ETA: 0s - loss: 0.7580 - accuracy:
0.8551 [====>.....] - ETA: 0s - loss: 0.7565 - accuracy:
709/750 [====>..] - ETA: 0s - loss: 0.7565 - accuracy:
0.8560 [====>..] - ETA: 0s - loss: 0.7551 - accuracy:
750/750 [====>..] - 1s 864us/step - loss: 0.7551 - accuracy:
0.8565 - val_loss: 0.7686 - val_accuracy: 0.8512
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.8162 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.7533 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.7533 - accuracy:
0.8621 [====>.....] - ETA: 0s - loss: 0.7607 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.7607 - accuracy:
0.8585 [====>.....] - ETA: 0s - loss: 0.7529 - accuracy:
218/750 [====>.....] - ETA: 0s - loss: 0.7529 - accuracy:
0.8597 [====>.....] - ETA: 0s - loss: 0.7502 - accuracy:
290/750 [====>.....] - ETA: 0s - loss: 0.7502 - accuracy:

0.8581 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.7518 - accuracy:
0.8585 [=====>.....] - ETA: 0s - loss: 0.7506 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.7506 - accuracy:
0.8585 [=====>.....] - ETA: 0s - loss: 0.7539 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.7539 - accuracy:
0.8565 [=====>.....] - ETA: 0s - loss: 0.7536 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.7536 - accuracy:
0.8566 [=====>.....] - ETA: 0s - loss: 0.7536 - accuracy:
650/750 [=====>....] - ETA: 0s - loss: 0.7536 - accuracy:
0.8564 [=====>....] - ETA: 0s - loss: 0.7515 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.7515 - accuracy:
0.8577 [=====>..] - ETA: 0s - loss: 0.7527 - accuracy:
750/750 [=====] - 1s 853us/step - loss: 0.7527 - accuracy:
0.8570 - val_loss: 0.7764 - val_accuracy: 0.8489
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.6282 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.7413 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.7413 - accuracy:
0.8669 [=>.....] - ETA: 0s - loss: 0.7438 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.7438 - accuracy:
0.8637 [====>.....] - ETA: 0s - loss: 0.7450 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.7450 - accuracy:
0.8605 [=====>.....] - ETA: 0s - loss: 0.7485 - accuracy:
285/750 [=====>.....] - ETA: 0s - loss: 0.7485 - accuracy:
0.8598 [=====>.....] - ETA: 0s - loss: 0.7493 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.7493 - accuracy:
0.8583 [=====>.....] - ETA: 0s - loss: 0.7525 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.7525 - accuracy:
0.8573 [=====>.....] - ETA: 0s - loss: 0.7499 - accuracy:
497/750 [=====>.....] - ETA: 0s - loss: 0.7499 - accuracy:
0.8585 [=====>.....] - ETA: 0s - loss: 0.7486 - accuracy:
569/750 [=====>.....] - ETA: 0s - loss: 0.7486 - accuracy:
0.8588 [=====>.....] - ETA: 0s - loss: 0.7498 - accuracy:
639/750 [=====>....] - ETA: 0s - loss: 0.7498 - accuracy:
0.8584 [=====>....] - ETA: 0s - loss: 0.7494 - accuracy:
712/750 [=====>..] - ETA: 0s - loss: 0.7494 - accuracy:
0.8583 [=====>..] - ETA: 0s - loss: 0.7504 - accuracy:
750/750 [=====] - 1s 860us/step - loss: 0.7504 - accuracy:
0.8574 - val_loss: 0.7737 - val_accuracy: 0.8494
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.7837 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.7470 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7470 - accuracy:
0.8626 [=>.....] - ETA: 0s - loss: 0.7437 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.7437 - accuracy:
0.8609 [====>.....] - ETA: 0s - loss: 0.7502 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.7502 - accuracy:

0.8585 [.....] - ETA: 0s - loss: 0.7428 - accuracy: 0.8603
285/750 [=====>.....] - ETA: 0s - loss: 0.7428 - accuracy: 0.8603
0.8603 [.....] - ETA: 0s - loss: 0.7477 - accuracy: 0.8594
355/750 [=====>.....] - ETA: 0s - loss: 0.7477 - accuracy: 0.8594
0.8594 [.....] - ETA: 0s - loss: 0.7485 - accuracy: 0.8580
426/750 [=====>.....] - ETA: 0s - loss: 0.7485 - accuracy: 0.8580
0.8580 [.....] - ETA: 0s - loss: 0.7493 - accuracy: 0.8573
497/750 [=====>.....] - ETA: 0s - loss: 0.7493 - accuracy: 0.8573
0.8573 [.....] - ETA: 0s - loss: 0.7485 - accuracy: 0.8575
570/750 [=====>.....] - ETA: 0s - loss: 0.7485 - accuracy: 0.8575
0.8575 [.....] - ETA: 0s - loss: 0.7494 - accuracy: 0.8570
642/750 [=====>.....] - ETA: 0s - loss: 0.7494 - accuracy: 0.8570
0.8570 [.....] - ETA: 0s - loss: 0.7485 - accuracy: 0.8574
713/750 [=====>..] - ETA: 0s - loss: 0.7485 - accuracy: 0.8574
0.8574 [.....] - 1s 860us/step - loss: 0.7481 - accuracy: 0.8574 - val_loss: 0.7670 - val_accuracy: 0.8504
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.7003 - accuracy: 0.9219
0.9219 [.....] - ETA: 0s - loss: 0.7454 - accuracy: 0.8549
70/750 [=>.....] - ETA: 0s - loss: 0.7454 - accuracy: 0.8549
0.8549 [.....] - ETA: 0s - loss: 0.7438 - accuracy: 0.8580
140/750 [====>.....] - ETA: 0s - loss: 0.7438 - accuracy: 0.8580
0.8580 [.....] - ETA: 0s - loss: 0.7442 - accuracy: 0.8584
212/750 [=====>.....] - ETA: 0s - loss: 0.7442 - accuracy: 0.8584
0.8584 [.....] - ETA: 0s - loss: 0.7445 - accuracy: 0.8597
282/750 [=====>.....] - ETA: 0s - loss: 0.7445 - accuracy: 0.8597
0.8597 [.....] - ETA: 0s - loss: 0.7484 - accuracy: 0.8586
354/750 [=====>.....] - ETA: 0s - loss: 0.7484 - accuracy: 0.8586
0.8586 [.....] - ETA: 0s - loss: 0.7467 - accuracy: 0.8594
426/750 [=====>.....] - ETA: 0s - loss: 0.7467 - accuracy: 0.8594
0.8594 [.....] - ETA: 0s - loss: 0.7496 - accuracy: 0.8584
497/750 [=====>.....] - ETA: 0s - loss: 0.7496 - accuracy: 0.8584
0.8584 [.....] - ETA: 0s - loss: 0.7468 - accuracy: 0.8594
567/750 [=====>.....] - ETA: 0s - loss: 0.7468 - accuracy: 0.8594
0.8594 [.....] - ETA: 0s - loss: 0.7464 - accuracy: 0.8592
639/750 [=====>.....] - ETA: 0s - loss: 0.7464 - accuracy: 0.8592
0.8592 [.....] - ETA: 0s - loss: 0.7468 - accuracy: 0.8587
712/750 [=====>..] - ETA: 0s - loss: 0.7468 - accuracy: 0.8587
0.8587 [.....] - 1s 860us/step - loss: 0.7463 - accuracy: 0.8587 - val_loss: 0.7638 - val_accuracy: 0.8523
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.7606 - accuracy: 0.8594
0.8594 [.....] - ETA: 0s - loss: 0.7594 - accuracy: 0.8570
73/750 [=>.....] - ETA: 0s - loss: 0.7594 - accuracy: 0.8570
0.8570 [.....] - ETA: 0s - loss: 0.7464 - accuracy: 145/750 [====>.....]

0.8605 [=====>.....] - ETA: 0s - loss: 0.7406 - accuracy: 0.8608
216/750 [=====>.....] - ETA: 0s - loss: 0.7421 - accuracy: 0.8596
287/750 [=====>.....] - ETA: 0s - loss: 0.7393 - accuracy: 0.8595
355/750 [=====>.....] - ETA: 0s - loss: 0.7401 - accuracy: 0.8596
424/750 [=====>.....] - ETA: 0s - loss: 0.7399 - accuracy: 0.8600
490/750 [=====>.....] - ETA: 0s - loss: 0.7397 - accuracy: 0.8599
562/750 [=====>.....] - ETA: 0s - loss: 0.7412 - accuracy: 0.8599
633/750 [=====>.....] - ETA: 0s - loss: 0.7431 - accuracy: 0.8598
705/750 [=====>..] - ETA: 0s - loss: 0.7434 - accuracy: 0.8593 - val_loss: 0.7584 - val_accuracy: 0.8549
750/750 [=====] - 1s 866us/step - loss: 0.7434 - accuracy: 0.8593 - val_loss: 0.7584 - val_accuracy: 0.8549
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.7035 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.7712 - accuracy: 0.8418
144/750 [====>.....] - ETA: 0s - loss: 0.7472 - accuracy: 0.8562
217/750 [=====>.....] - ETA: 0s - loss: 0.7395 - accuracy: 0.8584
286/750 [=====>.....] - ETA: 0s - loss: 0.7416 - accuracy: 0.8579
358/750 [=====>.....] - ETA: 0s - loss: 0.7419 - accuracy: 0.8592
430/750 [=====>.....] - ETA: 0s - loss: 0.7425 - accuracy: 0.8599
501/750 [=====>.....] - ETA: 0s - loss: 0.7420 - accuracy: 0.8598
573/750 [=====>.....] - ETA: 0s - loss: 0.7422 - accuracy: 0.8593
644/750 [=====>.....] - ETA: 0s - loss: 0.7419 - accuracy: 0.8592
716/750 [=====>..] - ETA: 0s - loss: 0.7410 - accuracy: 0.8595
750/750 [=====] - 1s 857us/step - loss: 0.7410 - accuracy: 0.8596 - val_loss: 0.7677 - val_accuracy: 0.8469
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.8691 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.7264 - accuracy:

0.8688 [.....] - ETA: 0s - loss: 0.7509 - accuracy: 0.8548
141/750 [====>.....] - ETA: 0s - loss: 0.7437 - accuracy: 0.8577
210/750 [=====>.....] - ETA: 0s - loss: 0.7408 - accuracy: 0.8592
283/750 [======>.....] - ETA: 0s - loss: 0.7409 - accuracy: 0.8589
353/750 [======>.....] - ETA: 0s - loss: 0.7373 - accuracy: 0.8604
424/750 [======>.....] - ETA: 0s - loss: 0.7369 - accuracy: 0.8604
495/750 [======>.....] - ETA: 0s - loss: 0.7391 - accuracy: 0.8599
566/750 [======>.....] - ETA: 0s - loss: 0.7381 - accuracy: 0.8596
638/750 [======>.....] - ETA: 0s - loss: 0.7376 - accuracy: 0.8597
709/750 [======>..] - ETA: 0s - loss: 0.7385 - accuracy: 0.8590
750/750 [=====] - 1s 860us/step - loss: 0.7385 - accuracy: 0.8590 - val_loss: 0.7593 - val_accuracy: 0.8525
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.7075 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.7498 - accuracy: 0.8557
144/750 [====>.....] - ETA: 0s - loss: 0.7429 - accuracy: 0.8577
215/750 [=====>.....] - ETA: 0s - loss: 0.7394 - accuracy: 0.8593
287/750 [======>.....] - ETA: 0s - loss: 0.7363 - accuracy: 0.8600
358/750 [======>.....] - ETA: 0s - loss: 0.7366 - accuracy: 0.8601
429/750 [======>.....] - ETA: 0s - loss: 0.7351 - accuracy: 0.8606
499/750 [======>.....] - ETA: 0s - loss: 0.7354 - accuracy: 0.8607
570/750 [======>.....] - ETA: 0s - loss: 0.7344 - accuracy: 0.8617
639/750 [======>.....] - ETA: 0s - loss: 0.7359 - accuracy: 0.8607
710/750 [======>..] - ETA: 0s - loss: 0.7357 - accuracy: 0.8609
750/750 [=====] - 1s 861us/step - loss: 0.7368 - accuracy: 0.8602 - val_loss: 0.7536 - val_accuracy: 0.8541
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.6777 - accuracy:

0.8125 [.....] - ETA: 0s - loss: 0.7296 - accuracy: 0.8613
73/750 [= >.....] - ETA: 0s - loss: 0.7287 - accuracy: 0.8619
144/750 [====>.....] - ETA: 0s - loss: 0.7334 - accuracy: 0.8609
215/750 [===== >.....] - ETA: 0s - loss: 0.7354 - accuracy: 0.8596
285/750 [===== >.....] - ETA: 0s - loss: 0.7355 - accuracy: 0.8605
357/750 [===== >.....] - ETA: 0s - loss: 0.7368 - accuracy: 0.8600
426/750 [===== >.....] - ETA: 0s - loss: 0.7344 - accuracy: 0.8611
497/750 [===== >.....] - ETA: 0s - loss: 0.7350 - accuracy: 0.8606
569/750 [===== >.....] - ETA: 0s - loss: 0.7358 - accuracy: 0.8604
640/750 [===== >.....] - ETA: 0s - loss: 0.7357 - accuracy: 0.8609
711/750 [===== >..] - ETA: 0s - loss: 0.7350 - accuracy: 0.8612
750/750 [=====] - 1s 861us/step - loss: 0.7350 - accuracy: 0.8612 - val_loss: 0.7561 - val_accuracy: 0.8540
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.8906
73/750 [= >.....] - ETA: 0s - loss: 0.7314 - accuracy: 0.8602
143/750 [====>.....] - ETA: 0s - loss: 0.7277 - accuracy: 0.8637
213/750 [===== >.....] - ETA: 0s - loss: 0.7283 - accuracy: 0.8633
286/750 [===== >.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.8605
357/750 [===== >.....] - ETA: 0s - loss: 0.7354 - accuracy: 0.8602
430/750 [===== >.....] - ETA: 0s - loss: 0.7334 - accuracy: 0.8609
500/750 [===== >.....] - ETA: 0s - loss: 0.7347 - accuracy: 0.8605
572/750 [===== >.....] - ETA: 0s - loss: 0.7346 - accuracy: 0.8611
644/750 [===== >.....] - ETA: 0s - loss: 0.7326 - accuracy: 0.8618
717/750 [===== >..] - ETA: 0s - loss: 0.7326 - accuracy: 0.8614
750/750 [=====] - 1s 858us/step - loss: 0.7327 - accuracy: 0.8613 - val_loss: 0.7518 - val_accuracy: 0.8542
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.9375
71/750 [=>.....] - ETA: 0s - loss: 0.7384 - accuracy: 0.8581
141/750 [====>.....] - ETA: 0s - loss: 0.7295 - accuracy: 0.8634
212/750 [=====>.....] - ETA: 0s - loss: 0.7315 - accuracy: 0.8639
284/750 [======>.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.8661
355/750 [======>.....] - ETA: 0s - loss: 0.7298 - accuracy: 0.8647
425/750 [======>.....] - ETA: 0s - loss: 0.7317 - accuracy: 0.8639
496/750 [======>.....] - ETA: 0s - loss: 0.7316 - accuracy: 0.8632
565/750 [======>.....] - ETA: 0s - loss: 0.7333 - accuracy: 0.8620
634/750 [======>.....] - ETA: 0s - loss: 0.7324 - accuracy: 0.8620
705/750 [======>..] - ETA: 0s - loss: 0.7310 - accuracy: 0.8619
750/750 [=====] - 1s 864us/step - loss: 0.7306 - accuracy: 0.8622 - val_loss: 0.7521 - val_accuracy: 0.8547
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.6192 - accuracy: 0.8906
70/750 [=>.....] - ETA: 0s - loss: 0.7355 - accuracy: 0.8632
142/750 [====>.....] - ETA: 0s - loss: 0.7367 - accuracy: 0.8604
213/750 [=====>.....] - ETA: 0s - loss: 0.7387 - accuracy: 0.8603
285/750 [======>.....] - ETA: 0s - loss: 0.7382 - accuracy: 0.8596
356/750 [======>.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.8616
428/750 [======>.....] - ETA: 0s - loss: 0.7316 - accuracy: 0.8622
498/750 [======>.....] - ETA: 0s - loss: 0.7303 - accuracy: 0.8624
570/750 [======>.....] - ETA: 0s - loss: 0.7288 - accuracy: 0.8632
640/750 [======>.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.8644
710/750 [======>..] - ETA: 0s - loss: 0.7270 - accuracy: 0.8638
750/750 [=====] - 1s 860us/step - loss: 0.7280 - accuracy:

0.8635 - val_loss: 0.7474 - val_accuracy: 0.8554
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.8550 - accuracy:
0.7969
72/750 [=>.....] - ETA: 0s - loss: 0.7333 - accuracy:
0.8641
143/750 [====>.....] - ETA: 0s - loss: 0.7351 - accuracy:
0.8600
212/750 [=====>.....] - ETA: 0s - loss: 0.7331 - accuracy:
0.8598
283/750 [======>.....] - ETA: 0s - loss: 0.7300 - accuracy:
0.8616
352/750 [======>.....] - ETA: 0s - loss: 0.7306 - accuracy:
0.8616
423/750 [======>.....] - ETA: 0s - loss: 0.7279 - accuracy:
0.8616
494/750 [======>.....] - ETA: 0s - loss: 0.7277 - accuracy:
0.8615
564/750 [======>.....] - ETA: 0s - loss: 0.7248 - accuracy:
0.8623
638/750 [======>.....] - ETA: 0s - loss: 0.7262 - accuracy:
0.8617
708/750 [======>..] - ETA: 0s - loss: 0.7256 - accuracy:
0.8626
750/750 [=====] - 1s 862us/step - loss: 0.7261 - accuracy:
0.8624 - val_loss: 0.7481 - val_accuracy: 0.8559
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.8766 - accuracy:
0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.7348 - accuracy:
0.8598
142/750 [====>.....] - ETA: 0s - loss: 0.7180 - accuracy:
0.8670
212/750 [=====>.....] - ETA: 0s - loss: 0.7225 - accuracy:
0.8657
286/750 [======>.....] - ETA: 0s - loss: 0.7230 - accuracy:
0.8649
355/750 [======>.....] - ETA: 0s - loss: 0.7247 - accuracy:
0.8629
428/750 [======>.....] - ETA: 0s - loss: 0.7246 - accuracy:
0.8632
501/750 [======>.....] - ETA: 0s - loss: 0.7262 - accuracy:
0.8628
570/750 [======>.....] - ETA: 0s - loss: 0.7273 - accuracy:
0.8620
642/750 [======>.....] - ETA: 0s - loss: 0.7253 - accuracy:
0.8628
712/750 [======>..] - ETA: 0s - loss: 0.7231 - accuracy:

0.8631
750/750 [=====] - 1s 860us/step - loss: 0.7242 - accuracy:
0.8630 - val_loss: 0.7460 - val_accuracy: 0.8567
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.7639 - accuracy:
0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.7275 - accuracy:
0.8639
142/750 [====>.....] - ETA: 0s - loss: 0.7209 - accuracy:
0.8618
214/750 [=====>.....] - ETA: 0s - loss: 0.7230 - accuracy:
0.8621
285/750 [======>.....] - ETA: 0s - loss: 0.7261 - accuracy:
0.8604
357/750 [======>.....] - ETA: 0s - loss: 0.7224 - accuracy:
0.8630
428/750 [======>.....] - ETA: 0s - loss: 0.7252 - accuracy:
0.8631
497/750 [======>.....] - ETA: 0s - loss: 0.7235 - accuracy:
0.8638
569/750 [======>.....] - ETA: 0s - loss: 0.7226 - accuracy:
0.8642
639/750 [======>.....] - ETA: 0s - loss: 0.7227 - accuracy:
0.8640
710/750 [======>..] - ETA: 0s - loss: 0.7224 - accuracy:
0.8643
750/750 [=====] - 1s 864us/step - loss: 0.7222 - accuracy:
0.8642 - val_loss: 0.7443 - val_accuracy: 0.8560
Epoch 70/220

1/750 [.....] - ETA: 0s - loss: 0.7556 - accuracy:
0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.7030 - accuracy:
0.8709
143/750 [====>.....] - ETA: 0s - loss: 0.7053 - accuracy:
0.8700
215/750 [=====>.....] - ETA: 0s - loss: 0.7123 - accuracy:
0.8682
284/750 [======>.....] - ETA: 0s - loss: 0.7164 - accuracy:
0.8670
353/750 [======>.....] - ETA: 0s - loss: 0.7171 - accuracy:
0.8667
424/750 [======>.....] - ETA: 0s - loss: 0.7209 - accuracy:
0.8648
494/750 [======>.....] - ETA: 0s - loss: 0.7222 - accuracy:
0.8646
564/750 [======>.....] - ETA: 0s - loss: 0.7224 - accuracy:
0.8643
634/750 [======>.....] - ETA: 0s - loss: 0.7200 - accuracy:

0.8650 [=====] - ETA: 0s - loss: 0.7196 - accuracy:
706/750 [=====>..] - ETA: 0s - loss: 0.7196 - accuracy:
0.8646 [=====] - ETA: 0s - loss: 0.7196 - accuracy:
750/750 [=====] - 1s 864us/step - loss: 0.7204 - accuracy:
0.8643 - val_loss: 0.7419 - val_accuracy: 0.8568
Epoch 71/220

1/750 [.....] - ETA: 0s - loss: 0.6012 - accuracy:
0.9375 [.....] - ETA: 0s - loss: 0.6012 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.7220 - accuracy:
0.8647 [.....] - ETA: 0s - loss: 0.7220 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.7199 - accuracy:
0.8636 [.....] - ETA: 0s - loss: 0.7199 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.7217 - accuracy:
0.8622 [.....] - ETA: 0s - loss: 0.7217 - accuracy:
288/750 [======>.....] - ETA: 0s - loss: 0.7242 - accuracy:
0.8615 [.....] - ETA: 0s - loss: 0.7242 - accuracy:
359/750 [======>.....] - ETA: 0s - loss: 0.7228 - accuracy:
0.8627 [.....] - ETA: 0s - loss: 0.7228 - accuracy:
429/750 [======>.....] - ETA: 0s - loss: 0.7230 - accuracy:
0.8627 [.....] - ETA: 0s - loss: 0.7230 - accuracy:
502/750 [======>.....] - ETA: 0s - loss: 0.7221 - accuracy:
0.8633 [.....] - ETA: 0s - loss: 0.7221 - accuracy:
572/750 [======>.....] - ETA: 0s - loss: 0.7183 - accuracy:
0.8644 [.....] - ETA: 0s - loss: 0.7183 - accuracy:
645/750 [======>.....] - ETA: 0s - loss: 0.7178 - accuracy:
0.8646 [.....] - ETA: 0s - loss: 0.7178 - accuracy:
715/750 [======>..] - ETA: 0s - loss: 0.7191 - accuracy:
0.8643 [.....] - ETA: 0s - loss: 0.7191 - accuracy:
750/750 [=====] - 1s 862us/step - loss: 0.7186 - accuracy:
0.8644 - val_loss: 0.7407 - val_accuracy: 0.8583
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.5361 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5361 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.7136 - accuracy:
0.8673 [.....] - ETA: 0s - loss: 0.7136 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.7163 - accuracy:
0.8643 [.....] - ETA: 0s - loss: 0.7163 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.7106 - accuracy:
0.8685 [.....] - ETA: 0s - loss: 0.7106 - accuracy:
286/750 [======>.....] - ETA: 0s - loss: 0.7110 - accuracy:
0.8678 [.....] - ETA: 0s - loss: 0.7110 - accuracy:
358/750 [======>.....] - ETA: 0s - loss: 0.7104 - accuracy:
0.8682 [.....] - ETA: 0s - loss: 0.7104 - accuracy:
429/750 [======>.....] - ETA: 0s - loss: 0.7127 - accuracy:
0.8677 [.....] - ETA: 0s - loss: 0.7127 - accuracy:
501/750 [======>.....] - ETA: 0s - loss: 0.7147 - accuracy:
0.8665 [.....] - ETA: 0s - loss: 0.7147 - accuracy:
572/750 [======>.....] - ETA: 0s - loss: 0.7168 - accuracy:

0.8654 [=====>.....] - ETA: 0s - loss: 0.7156 - accuracy:
643/750 [=====>.....] - ETA: 0s - loss: 0.7156 - accuracy:
0.8657 [=====>.....] - ETA: 0s - loss: 0.7156 - accuracy:
715/750 [=====>.....] - ETA: 0s - loss: 0.7161 - accuracy:
0.8651 [=====>.....] - ETA: 0s - loss: 0.7161 - accuracy:
750/750 [=====] - 1s 856us/step - loss: 0.7166 - accuracy:
0.8649 - val_loss: 0.7410 - val_accuracy: 0.8564
Epoch 73/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5779 - accuracy:
0.9375 [=====>.....] - ETA: 0s - loss: 0.5779 - accuracy:
69/750 [=====>.....] - ETA: 0s - loss: 0.7075 - accuracy:
0.8675 [=====>.....] - ETA: 0s - loss: 0.7075 - accuracy:
141/750 [=====>.....] - ETA: 0s - loss: 0.7121 - accuracy:
0.8681 [=====>.....] - ETA: 0s - loss: 0.7121 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.7143 - accuracy:
0.8668 [=====>.....] - ETA: 0s - loss: 0.7143 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.7111 - accuracy:
0.8660 [=====>.....] - ETA: 0s - loss: 0.7111 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.7134 - accuracy:
0.8654 [=====>.....] - ETA: 0s - loss: 0.7134 - accuracy:
497/750 [=====>.....] - ETA: 0s - loss: 0.7144 - accuracy:
0.8653 [=====>.....] - ETA: 0s - loss: 0.7144 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.7148 - accuracy:
0.8651 [=====>.....] - ETA: 0s - loss: 0.7148 - accuracy:
637/750 [=====>.....] - ETA: 0s - loss: 0.7149 - accuracy:
0.8653 [=====>.....] - ETA: 0s - loss: 0.7149 - accuracy:
708/750 [=====>.....] - ETA: 0s - loss: 0.7151 - accuracy:
0.8653 [=====>.....] - ETA: 0s - loss: 0.7151 - accuracy:
750/750 [=====] - 1s 861us/step - loss: 0.7144 - accuracy:
0.8651 - val_loss: 0.7378 - val_accuracy: 0.8583
Epoch 74/220

1/750 [=====>.....] - ETA: 0s - loss: 0.6239 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.6239 - accuracy:
75/750 [=====>.....] - ETA: 0s - loss: 0.6928 - accuracy:
0.8721 [=====>.....] - ETA: 0s - loss: 0.6928 - accuracy:
146/750 [=====>.....] - ETA: 0s - loss: 0.7050 - accuracy:
0.8691 [=====>.....] - ETA: 0s - loss: 0.7050 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.7159 - accuracy:
0.8655 [=====>.....] - ETA: 0s - loss: 0.7159 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.7113 - accuracy:
0.8678 [=====>.....] - ETA: 0s - loss: 0.7113 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.7181 - accuracy:
0.8641 [=====>.....] - ETA: 0s - loss: 0.7181 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.7162 - accuracy:
0.8650 [=====>.....] - ETA: 0s - loss: 0.7162 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.7148 - accuracy:

0.8650
575/750 [=====>.....] - ETA: 0s - loss: 0.7127 - accuracy:
0.8660
647/750 [=====>.....] - ETA: 0s - loss: 0.7135 - accuracy:
0.8658
719/750 [=====>..] - ETA: 0s - loss: 0.7120 - accuracy:
0.8660
750/750 [=====] - 1s 861us/step - loss: 0.7127 - accuracy:
0.8659 - val_loss: 0.7371 - val_accuracy: 0.8565
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.7520 - accuracy:
0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.7384 - accuracy:
0.8598
142/750 [====>.....] - ETA: 0s - loss: 0.7196 - accuracy:
0.8640
213/750 [=====>.....] - ETA: 0s - loss: 0.7096 - accuracy:
0.8660
283/750 [=====>.....] - ETA: 0s - loss: 0.7092 - accuracy:
0.8668
355/750 [=====>.....] - ETA: 0s - loss: 0.7080 - accuracy:
0.8671
425/750 [=====>.....] - ETA: 0s - loss: 0.7107 - accuracy:
0.8662
498/750 [=====>.....] - ETA: 0s - loss: 0.7133 - accuracy:
0.8654
569/750 [=====>.....] - ETA: 0s - loss: 0.7140 - accuracy:
0.8648
639/750 [=====>.....] - ETA: 0s - loss: 0.7129 - accuracy:
0.8653
711/750 [=====>..] - ETA: 0s - loss: 0.7122 - accuracy:
0.8657
750/750 [=====] - 1s 861us/step - loss: 0.7110 - accuracy:
0.8663 - val_loss: 0.7326 - val_accuracy: 0.8594
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.8855 - accuracy:
0.8125
74/750 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy:
0.8796
145/750 [====>.....] - ETA: 0s - loss: 0.6956 - accuracy:
0.8770
216/750 [=====>.....] - ETA: 0s - loss: 0.7026 - accuracy:
0.8712
286/750 [=====>.....] - ETA: 0s - loss: 0.7056 - accuracy:
0.8702
360/750 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
0.8675
429/750 [=====>.....] - ETA: 0s - loss: 0.7074 - accuracy:

0.8684 [=====>.....] - ETA: 0s - loss: 0.7087 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.7100 - accuracy:
0.8686 [=====>.....] - ETA: 0s - loss: 0.7085 - accuracy:
571/750 [=====>.....] - ETA: 0s - loss: 0.7089 - accuracy:
0.8679 [=====>.....] - ETA: 0s - loss: 0.7090 - accuracy:
641/750 [=====>.....] - ETA: 0s - loss: 0.7090 - accuracy:
0.8680 [=====>.....] - ETA: 0s - loss: 0.7090 - accuracy:
710/750 [=====>.....] - ETA: 0s - loss: 0.7090 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.7090 - accuracy:
750/750 [=====] - 1s 861us/step - loss: 0.7090 - accuracy:
0.8678 - val_loss: 0.7393 - val_accuracy: 0.8562
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.7490 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.7035 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.7128 - accuracy:
0.8690 [=====>.....] - ETA: 0s - loss: 0.7074 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.7092 - accuracy:
0.8657 [=====>.....] - ETA: 0s - loss: 0.7093 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.7107 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.7075 - accuracy:
287/750 [=====>.....] - ETA: 0s - loss: 0.7086 - accuracy:
0.8654 [=====>.....] - ETA: 0s - loss: 0.7073 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
0.8664 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
0.8660 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
0.8665 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
0.8664 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
643/750 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
0.8672 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
712/750 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
0.8672 [=====>.....] - ETA: 0s - loss: 0.7069 - accuracy:
750/750 [=====] - 1s 864us/step - loss: 0.7069 - accuracy:
0.8673 - val_loss: 0.7320 - val_accuracy: 0.8577
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.6998 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.7115 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.7125 - accuracy:
0.8641 [=====>.....] - ETA: 0s - loss: 0.7098 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
0.8667 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
0.8677 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
0.8676 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:

0.8668 [=====>.....] - ETA: 0s - loss: 0.7127 - accuracy:
0.8663 [=====>.....] - ETA: 0s - loss: 0.7114 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.7114 - accuracy:
0.8659 [=====>.....] - ETA: 0s - loss: 0.7091 - accuracy:
572/750 [=====>.....] - ETA: 0s - loss: 0.7091 - accuracy:
0.8666 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
642/750 [=====>.....] - ETA: 0s - loss: 0.7068 - accuracy:
0.8674 [=====>.....] - ETA: 0s - loss: 0.7053 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.7053 - accuracy:
0.8677 [=====>..] - ETA: 0s - loss: 0.7051 - accuracy:
750/750 [=====] - 1s 857us/step - loss: 0.7051 - accuracy:
0.8677 - val_loss: 0.7276 - val_accuracy: 0.8610
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.7196 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.7147 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7147 - accuracy:
0.8613 [=>.....] - ETA: 0s - loss: 0.7115 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.7115 - accuracy:
0.8635 [====>.....] - ETA: 0s - loss: 0.7047 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.7047 - accuracy:
0.8662 [=====>.....] - ETA: 0s - loss: 0.7067 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.7067 - accuracy:
0.8659 [=====>.....] - ETA: 0s - loss: 0.7056 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.7056 - accuracy:
0.8665 [=====>.....] - ETA: 0s - loss: 0.7053 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.7053 - accuracy:
0.8663 [=====>.....] - ETA: 0s - loss: 0.7045 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.7045 - accuracy:
0.8671 [=====>.....] - ETA: 0s - loss: 0.7037 - accuracy:
576/750 [=====>.....] - ETA: 0s - loss: 0.7037 - accuracy:
0.8678 [=====>.....] - ETA: 0s - loss: 0.7032 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.7032 - accuracy:
0.8682 [=====>.....] - ETA: 0s - loss: 0.7029 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.7029 - accuracy:
0.8684 [=====>..] - ETA: 0s - loss: 0.7032 - accuracy:
750/750 [=====] - 1s 858us/step - loss: 0.7032 - accuracy:
0.8687 - val_loss: 0.7363 - val_accuracy: 0.8559
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.7290 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6958 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6958 - accuracy:
0.8724 [=>.....] - ETA: 0s - loss: 0.6932 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.6932 - accuracy:
0.8724 [====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.7020 - accuracy:
0.8695 [=====>.....] - ETA: 0s - loss: 0.7041 - accuracy:
275/750 [=====>.....] - ETA: 0s - loss: 0.7041 - accuracy:

0.8668 [=====>.....] - ETA: 0s - loss: 0.6990 - accuracy:
336/750 [=====>.....] - ETA: 0s - loss: 0.6990 - accuracy:
0.8685 [=====>.....] - ETA: 0s - loss: 0.7015 - accuracy:
403/750 [=====>.....] - ETA: 0s - loss: 0.7015 - accuracy:
0.8683 [=====>.....] - ETA: 0s - loss: 0.7008 - accuracy:
469/750 [=====>.....] - ETA: 0s - loss: 0.7008 - accuracy:
0.8689 [=====>.....] - ETA: 0s - loss: 0.7012 - accuracy:
536/750 [=====>.....] - ETA: 0s - loss: 0.7012 - accuracy:
0.8684 [=====>.....] - ETA: 0s - loss: 0.6978 - accuracy:
607/750 [=====>.....] - ETA: 0s - loss: 0.6978 - accuracy:
0.8693 [=====>.....] - ETA: 0s - loss: 0.7004 - accuracy:
679/750 [=====>...] - ETA: 0s - loss: 0.7004 - accuracy:
0.8685 [=====] - 1s 889us/step - loss: 0.7011 - accuracy:
750/750 [=====] - 1s 889us/step - loss: 0.7011 - accuracy:
0.8681 - val_loss: 0.7250 - val_accuracy: 0.8614
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.8361 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.7214 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.7214 - accuracy:
0.8628 [====>.....] - ETA: 0s - loss: 0.7091 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.7091 - accuracy:
0.8686 [=====>.....] - ETA: 0s - loss: 0.7036 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.7036 - accuracy:
0.8715 [=====>.....] - ETA: 0s - loss: 0.6992 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.6992 - accuracy:
0.8710 [=====>.....] - ETA: 0s - loss: 0.6995 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.6995 - accuracy:
0.8720 [=====>.....] - ETA: 0s - loss: 0.6981 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.6981 - accuracy:
0.8708 [=====>.....] - ETA: 0s - loss: 0.6981 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.6967 - accuracy:
579/750 [=====>.....] - ETA: 0s - loss: 0.6967 - accuracy:
0.8712 [=====>.....] - ETA: 0s - loss: 0.6979 - accuracy:
652/750 [=====>.....] - ETA: 0s - loss: 0.6979 - accuracy:
0.8704 [=====>.....] - ETA: 0s - loss: 0.6995 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.6995 - accuracy:
0.8699 [=====>.] - ETA: 0s - loss: 0.6998 - accuracy:
750/750 [=====>.] - 1s 857us/step - loss: 0.6998 - accuracy:
0.8699 - val_loss: 0.7254 - val_accuracy: 0.8619
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.6678 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.7025 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7025 - accuracy:
0.8678 [====>.....] - ETA: 0s - loss: 0.6951 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6951 - accuracy:
0.8690 [====>.....] - ETA: 0s - loss: 0.6947 - accuracy:
218/750 [====>.....] - ETA: 0s - loss: 0.6947 - accuracy:

0.8693 [=====>.....] - ETA: 0s - loss: 0.6914 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.6914 - accuracy:
0.8700 [=====>.....] - ETA: 0s - loss: 0.6963 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.6963 - accuracy:
0.8691 [=====>.....] - ETA: 0s - loss: 0.6984 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.6984 - accuracy:
0.8697 [=====>.....] - ETA: 0s - loss: 0.6989 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.6989 - accuracy:
0.8694 [=====>.....] - ETA: 0s - loss: 0.6974 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.6974 - accuracy:
0.8698 [=====>.....] - ETA: 0s - loss: 0.6975 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.6975 - accuracy:
0.8698 [=====>....] - ETA: 0s - loss: 0.6981 - accuracy:
724/750 [=====>..] - ETA: 0s - loss: 0.6981 - accuracy:
0.8694 [=====>..] - ETA: 0s - loss: 0.6978 - accuracy:
750/750 [=====] - 1s 849us/step - loss: 0.6978 - accuracy:
0.8696 - val_loss: 0.7238 - val_accuracy: 0.8599
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.6774 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.7103 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.7103 - accuracy:
0.8665 [====>.....] - ETA: 0s - loss: 0.7005 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.6980 - accuracy:
0.8702 [====>.....] - ETA: 0s - loss: 0.7005 - accuracy:
215/750 [====>.....] - ETA: 0s - loss: 0.6978 - accuracy:
0.8717 [====>.....] - ETA: 0s - loss: 0.6978 - accuracy:
287/750 [====>.....] - ETA: 0s - loss: 0.6967 - accuracy:
0.8703 [====>.....] - ETA: 0s - loss: 0.6967 - accuracy:
360/750 [====>.....] - ETA: 0s - loss: 0.6957 - accuracy:
0.8709 [====>.....] - ETA: 0s - loss: 0.6957 - accuracy:
431/750 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
0.8704 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
504/750 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
0.8708 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
579/750 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
0.8707 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
649/750 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
0.8708 [====>.....] - ETA: 0s - loss: 0.6920 - accuracy:
723/750 [====>..] - ETA: 0s - loss: 0.6920 - accuracy:
0.8713 [====>..] - ETA: 0s - loss: 0.6920 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.6960 - accuracy:
0.8712 - val_loss: 0.7203 - val_accuracy: 0.8631
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.6797 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.6920 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.6920 - accuracy:
0.8715 [====>.....] - ETA: 0s - loss: 0.6908 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.6908 - accuracy:

0.8697 [.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.8706
219/750 [=====>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.8706
291/750 [=====>.....] - ETA: 0s - loss: 0.6946 - accuracy: 0.8689
363/750 [=====>.....] - ETA: 0s - loss: 0.6973 - accuracy: 0.8673
436/750 [=====>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.8687
506/750 [=====>.....] - ETA: 0s - loss: 0.6959 - accuracy: 0.8696
579/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.8700
651/750 [=====>....] - ETA: 0s - loss: 0.6931 - accuracy: 0.8709
724/750 [=====>..] - ETA: 0s - loss: 0.6936 - accuracy: 0.8707
750/750 [=====] - 1s 846us/step - loss: 0.6943 - accuracy: 0.8705 - val_loss: 0.7198 - val_accuracy: 0.8619
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.7644 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.8646
146/750 [=====>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.8695
217/750 [=====>.....] - ETA: 0s - loss: 0.6939 - accuracy: 0.8698
290/750 [=====>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.8709
363/750 [=====>.....] - ETA: 0s - loss: 0.6900 - accuracy: 0.8715
435/750 [=====>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.8706
506/750 [=====>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.8710
579/750 [=====>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.8718
651/750 [=====>....] - ETA: 0s - loss: 0.6931 - accuracy: 0.8715
725/750 [=====>.] - ETA: 0s - loss: 0.6942 - accuracy: 0.8712
750/750 [=====] - 1s 845us/step - loss: 0.6927 - accuracy: 0.8717 - val_loss: 0.7219 - val_accuracy: 0.8588
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.7733 - accuracy: 0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.6788 - accuracy:

0.8743 [=====>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.8788
215/750 [=====>.....] - ETA: 0s - loss: 0.6763 - accuracy: 0.8777
287/750 [=====>.....] - ETA: 0s - loss: 0.6826 - accuracy: 0.8741
359/750 [=====>.....] - ETA: 0s - loss: 0.6875 - accuracy: 0.8725
433/750 [=====>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.8721
506/750 [=====>.....] - ETA: 0s - loss: 0.6896 - accuracy: 0.8711
576/750 [=====>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.8697
647/750 [=====>....] - ETA: 0s - loss: 0.6917 - accuracy: 0.8700
720/750 [=====>..] - ETA: 0s - loss: 0.6910 - accuracy: 0.8705
750/750 [=====] - 1s 854us/step - loss: 0.6908 - accuracy: 0.8704 - val_loss: 0.7176 - val_accuracy: 0.8623
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.8704
145/750 [====>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.8726
219/750 [=====>.....] - ETA: 0s - loss: 0.6965 - accuracy: 0.8702
291/750 [=====>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.8707
364/750 [=====>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.8696
438/750 [=====>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.8694
509/750 [=====>.....] - ETA: 0s - loss: 0.6910 - accuracy: 0.8714
580/750 [=====>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.8714
651/750 [=====>....] - ETA: 0s - loss: 0.6900 - accuracy: 0.8718
723/750 [=====>..] - ETA: 0s - loss: 0.6893 - accuracy: 0.8723
750/750 [=====] - 1s 844us/step - loss: 0.6893 - accuracy: 0.8724 - val_loss: 0.7183 - val_accuracy: 0.8608
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.8790 - accuracy:

0.8281 [.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.8754
72/750 [= >.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.8754
145/750 [====>.....] - ETA: 0s - loss: 0.6780 - accuracy: 0.8728
217/750 [===== >.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.8720
290/750 [===== >.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.8725
363/750 [===== >.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.8726
435/750 [===== >.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.8715
508/750 [===== >.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.8704
580/750 [===== >.....] - ETA: 0s - loss: 0.6875 - accuracy: 0.8704
651/750 [===== >....] - ETA: 0s - loss: 0.6876 - accuracy: 0.8712
723/750 [===== >..] - ETA: 0s - loss: 0.6877 - accuracy: 0.8713
750/750 [=====] - 1s 842us/step - loss: 0.6874 - accuracy: 0.8716 - val_loss: 0.7159 - val_accuracy: 0.8630
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.7216 - accuracy: 0.8906
74/750 [= >.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.8731
143/750 [====>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.8743
216/750 [===== >.....] - ETA: 0s - loss: 0.6815 - accuracy: 0.8723
288/750 [===== >.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.8725
359/750 [===== >.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.8719
431/750 [===== >.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.8712
502/750 [===== >.....] - ETA: 0s - loss: 0.6874 - accuracy: 0.8716
575/750 [===== >.....] - ETA: 0s - loss: 0.6871 - accuracy: 0.8716
647/750 [===== >....] - ETA: 0s - loss: 0.6862 - accuracy: 0.8718
720/750 [===== >..] - ETA: 0s - loss: 0.6863 - accuracy: 0.8717
750/750 [=====] - 1s 852us/step - loss: 0.6859 - accuracy: 0.8721 - val_loss: 0.7167 - val_accuracy: 0.8619
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.6114 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.8694
144/750 [====>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.8720
216/750 [=====>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.8733
291/750 [======>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.8764
361/750 [======>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.8756
434/750 [======>.....] - ETA: 0s - loss: 0.6795 - accuracy: 0.8753
507/750 [======>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.8741
575/750 [======>.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.8731
648/750 [======>.....] - ETA: 0s - loss: 0.6847 - accuracy: 0.8719
719/750 [======>..] - ETA: 0s - loss: 0.6844 - accuracy: 0.8721
750/750 [=====] - 1s 852us/step - loss: 0.6841 - accuracy: 0.8721 - val_loss: 0.7123 - val_accuracy: 0.8650
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.8733
148/750 [====>.....] - ETA: 0s - loss: 0.6820 - accuracy: 0.8723
218/750 [=====>.....] - ETA: 0s - loss: 0.6832 - accuracy: 0.8703
288/750 [======>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.8724
361/750 [======>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.8715
433/750 [======>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.8718
506/750 [======>.....] - ETA: 0s - loss: 0.6853 - accuracy: 0.8716
579/750 [======>.....] - ETA: 0s - loss: 0.6855 - accuracy: 0.8718
651/750 [======>....] - ETA: 0s - loss: 0.6852 - accuracy: 0.8724
723/750 [======>..] - ETA: 0s - loss: 0.6836 - accuracy: 0.8726
750/750 [=====] - 1s 852us/step - loss: 0.6829 - accuracy:

0.8730 - val_loss: 0.7101 - val_accuracy: 0.8661
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.8977 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6989 - accuracy: 0.8641
145/750 [====>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.8673
218/750 [=====>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.8696
288/750 [======>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.8705
361/750 [======>.....] - ETA: 0s - loss: 0.6844 - accuracy: 0.8723
431/750 [======>.....] - ETA: 0s - loss: 0.6833 - accuracy: 0.8734
502/750 [======>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.8744
574/750 [======>.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.8734
647/750 [======>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.8739
719/750 [======>..] - ETA: 0s - loss: 0.6810 - accuracy: 0.8736
750/750 [=====] - 1s 849us/step - loss: 0.6813 - accuracy: 0.8734 - val_loss: 0.7131 - val_accuracy: 0.8631
Epoch 93/220

1/750 [.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.8716
145/750 [====>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.8762
218/750 [=====>.....] - ETA: 0s - loss: 0.6775 - accuracy: 0.8747
292/750 [======>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.8755
363/750 [======>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.8753
435/750 [======>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.8751
509/750 [======>.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.8759
581/750 [======>.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.8752
654/750 [======>....] - ETA: 0s - loss: 0.6765 - accuracy: 0.8749
727/750 [======>.] - ETA: 0s - loss: 0.6785 - accuracy:

0.8742
750/750 [=====] - 1s 845us/step - loss: 0.6793 - accuracy:
0.8738 - val_loss: 0.7080 - val_accuracy: 0.8646
Epoch 94/220

1/750 [.....] - ETA: 0s - loss: 0.5814 - accuracy:
0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.6787 - accuracy:
0.8717
146/750 [====>.....] - ETA: 0s - loss: 0.6706 - accuracy:
0.8764
215/750 [=====>.....] - ETA: 0s - loss: 0.6733 - accuracy:
0.8753
288/750 [======>.....] - ETA: 0s - loss: 0.6733 - accuracy:
0.8754
361/750 [======>.....] - ETA: 0s - loss: 0.6753 - accuracy:
0.8741
434/750 [======>.....] - ETA: 0s - loss: 0.6752 - accuracy:
0.8752
508/750 [======>.....] - ETA: 0s - loss: 0.6755 - accuracy:
0.8752
579/750 [======>.....] - ETA: 0s - loss: 0.6752 - accuracy:
0.8758
651/750 [======>....] - ETA: 0s - loss: 0.6771 - accuracy:
0.8748
724/750 [======>..] - ETA: 0s - loss: 0.6791 - accuracy:
0.8739
750/750 [=====] - 1s 856us/step - loss: 0.6779 - accuracy:
0.8742 - val_loss: 0.7058 - val_accuracy: 0.8658
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.6341 - accuracy:
0.8906
70/750 [=>.....] - ETA: 0s - loss: 0.6725 - accuracy:
0.8741
138/750 [====>.....] - ETA: 0s - loss: 0.6813 - accuracy:
0.8717
207/750 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy:
0.8733
275/750 [======>.....] - ETA: 0s - loss: 0.6795 - accuracy:
0.8734
344/750 [======>.....] - ETA: 0s - loss: 0.6788 - accuracy:
0.8739
412/750 [======>.....] - ETA: 0s - loss: 0.6785 - accuracy:
0.8736
481/750 [======>.....] - ETA: 0s - loss: 0.6808 - accuracy:
0.8736
550/750 [======>.....] - ETA: 0s - loss: 0.6787 - accuracy:
0.8744
618/750 [======>.....] - ETA: 0s - loss: 0.6771 - accuracy:

0.8751 [=====] - ETA: 0s - loss: 0.6768 - accuracy:
686/750 [=====>...] - ETA: 0s - loss: 0.6768 - accuracy:
0.8751 [=====] - ETA: 0s - loss: 0.6768 - accuracy:
750/750 [=====] - 1s 896us/step - loss: 0.6759 - accuracy:
0.8751 - val_loss: 0.7116 - val_accuracy: 0.8626
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.6929 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6929 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy:
0.8759 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy:
136/750 [====>.....] - ETA: 0s - loss: 0.6671 - accuracy:
0.8752 [====>.....] - ETA: 0s - loss: 0.6671 - accuracy:
205/750 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.6667 - accuracy:
275/750 [======>.....] - ETA: 0s - loss: 0.6650 - accuracy:
0.8785 [======>.....] - ETA: 0s - loss: 0.6650 - accuracy:
343/750 [======>.....] - ETA: 0s - loss: 0.6702 - accuracy:
0.8769 [======>.....] - ETA: 0s - loss: 0.6702 - accuracy:
413/750 [======>.....] - ETA: 0s - loss: 0.6719 - accuracy:
0.8770 [======>.....] - ETA: 0s - loss: 0.6719 - accuracy:
483/750 [======>.....] - ETA: 0s - loss: 0.6726 - accuracy:
0.8766 [======>.....] - ETA: 0s - loss: 0.6726 - accuracy:
552/750 [======>.....] - ETA: 0s - loss: 0.6730 - accuracy:
0.8761 [======>.....] - ETA: 0s - loss: 0.6730 - accuracy:
623/750 [======>.....] - ETA: 0s - loss: 0.6746 - accuracy:
0.8754 [======>.....] - ETA: 0s - loss: 0.6746 - accuracy:
690/750 [======>...] - ETA: 0s - loss: 0.6745 - accuracy:
0.8749 [======>...] - ETA: 0s - loss: 0.6745 - accuracy:
750/750 [=====] - 1s 889us/step - loss: 0.6745 - accuracy:
0.8744 - val_loss: 0.7047 - val_accuracy: 0.8661
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.7678 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.7678 - accuracy:
68/750 [=>.....] - ETA: 0s - loss: 0.6714 - accuracy:
0.8741 [=>.....] - ETA: 0s - loss: 0.6714 - accuracy:
135/750 [====>.....] - ETA: 0s - loss: 0.6698 - accuracy:
0.8747 [====>.....] - ETA: 0s - loss: 0.6698 - accuracy:
206/750 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy:
0.8742 [=====>.....] - ETA: 0s - loss: 0.6731 - accuracy:
277/750 [======>.....] - ETA: 0s - loss: 0.6765 - accuracy:
0.8725 [======>.....] - ETA: 0s - loss: 0.6765 - accuracy:
346/750 [======>.....] - ETA: 0s - loss: 0.6765 - accuracy:
0.8736 [======>.....] - ETA: 0s - loss: 0.6765 - accuracy:
416/750 [======>.....] - ETA: 0s - loss: 0.6732 - accuracy:
0.8750 [======>.....] - ETA: 0s - loss: 0.6732 - accuracy:
486/750 [======>.....] - ETA: 0s - loss: 0.6742 - accuracy:
0.8751 [======>.....] - ETA: 0s - loss: 0.6742 - accuracy:
557/750 [======>.....] - ETA: 0s - loss: 0.6736 - accuracy:

0.8755 [=====>.....] - ETA: 0s - loss: 0.6742 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.6739 - accuracy:
0.8754 [=====>.....] - ETA: 0s - loss: 0.6728 - accuracy:
697/750 [=====>.....] - ETA: 0s - loss: 0.6728 - accuracy:
0.8756 [=====>.....] - ETA: 0s - loss: 0.6728 - accuracy:
750/750 [=====>.....] - 1s 879us/step - loss: 0.6728 - accuracy:
0.8756 - val_loss: 0.7038 - val_accuracy: 0.8652
Epoch 98/220

1/750 [=====>.....] - ETA: 0s - loss: 0.6527 - accuracy:
0.8594 [=====>.....] - ETA: 0s - loss: 0.6718 - accuracy:
71/750 [=====>.....] - ETA: 0s - loss: 0.6772 - accuracy:
0.8717 [=====>.....] - ETA: 0s - loss: 0.6786 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.6759 - accuracy:
0.8719 [=====>.....] - ETA: 0s - loss: 0.6742 - accuracy:
212/750 [=====>.....] - ETA: 0s - loss: 0.6728 - accuracy:
0.8711 [=====>.....] - ETA: 0s - loss: 0.6724 - accuracy:
283/750 [=====>.....] - ETA: 0s - loss: 0.6702 - accuracy:
0.8731 [=====>.....] - ETA: 0s - loss: 0.6695 - accuracy:
354/750 [=====>.....] - ETA: 0s - loss: 0.6705 - accuracy:
0.8744 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
424/750 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
0.8742 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
493/750 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
0.8745 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
563/750 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
0.8755 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
632/750 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
0.8764 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
702/750 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
0.8763 [=====>.....] - ETA: 0s - loss: 0.6715 - accuracy:
750/750 [=====>.....] - 1s 885us/step - loss: 0.6715 - accuracy:
0.8759 - val_loss: 0.7037 - val_accuracy: 0.8650
Epoch 99/220

1/750 [=====>.....] - ETA: 0s - loss: 0.7425 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.6709 - accuracy:
73/750 [=====>.....] - ETA: 0s - loss: 0.6687 - accuracy:
0.8761 [=====>.....] - ETA: 0s - loss: 0.6677 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.6699 - accuracy:
0.8773 [=====>.....] - ETA: 0s - loss: 0.6668 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6666 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
0.8778 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.6703 - accuracy:

0.8766 [=====>.....] - ETA: 0s - loss: 0.6705 - accuracy:
574/750 [=====>.....] - ETA: 0s - loss: 0.6705 - accuracy:
0.8760 [=====>.....] - ETA: 0s - loss: 0.6694 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.6694 - accuracy:
0.8769 [=====>.....] - ETA: 0s - loss: 0.6690 - accuracy:
719/750 [=====>..] - ETA: 0s - loss: 0.6690 - accuracy:
0.8767 [=====] - 1s 852us/step - loss: 0.6701 - accuracy:
750/750 [=====] - 1s 852us/step - loss: 0.6701 - accuracy:
0.8760 - val_loss: 0.7052 - val_accuracy: 0.8645
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.5417 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.6603 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6603 - accuracy:
0.8794 [====>.....] - ETA: 0s - loss: 0.6768 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6768 - accuracy:
0.8738 [====>.....] - ETA: 0s - loss: 0.6728 - accuracy:
216/750 [====>.....] - ETA: 0s - loss: 0.6728 - accuracy:
0.8754 [====>.....] - ETA: 0s - loss: 0.6745 - accuracy:
286/750 [====>.....] - ETA: 0s - loss: 0.6745 - accuracy:
0.8758 [====>.....] - ETA: 0s - loss: 0.6714 - accuracy:
360/750 [====>.....] - ETA: 0s - loss: 0.6714 - accuracy:
0.8763 [====>.....] - ETA: 0s - loss: 0.6701 - accuracy:
433/750 [====>.....] - ETA: 0s - loss: 0.6701 - accuracy:
0.8767 [====>.....] - ETA: 0s - loss: 0.6679 - accuracy:
505/750 [====>.....] - ETA: 0s - loss: 0.6679 - accuracy:
0.8771 [====>.....] - ETA: 0s - loss: 0.6660 - accuracy:
580/750 [====>.....] - ETA: 0s - loss: 0.6660 - accuracy:
0.8772 [====>.....] - ETA: 0s - loss: 0.6669 - accuracy:
652/750 [====>....] - ETA: 0s - loss: 0.6669 - accuracy:
0.8772 [====>....] - ETA: 0s - loss: 0.6671 - accuracy:
723/750 [====>..] - ETA: 0s - loss: 0.6671 - accuracy:
0.8770 [====>..] - 1s 848us/step - loss: 0.6683 - accuracy:
750/750 [====>..] - 1s 848us/step - loss: 0.6683 - accuracy:
0.8764 - val_loss: 0.7006 - val_accuracy: 0.8662
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.6857 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy:
0.8796 [====>.....] - ETA: 0s - loss: 0.6740 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.6740 - accuracy:
0.8780 [====>.....] - ETA: 0s - loss: 0.6702 - accuracy:
219/750 [====>.....] - ETA: 0s - loss: 0.6702 - accuracy:
0.8771 [====>.....] - ETA: 0s - loss: 0.6708 - accuracy:
288/750 [====>.....] - ETA: 0s - loss: 0.6708 - accuracy:
0.8766 [====>.....] - ETA: 0s - loss: 0.6689 - accuracy:
360/750 [====>.....] - ETA: 0s - loss: 0.6689 - accuracy:
0.8763 [====>.....] - ETA: 0s - loss: 0.6691 - accuracy:
435/750 [====>.....] - ETA: 0s - loss: 0.6691 - accuracy:

0.8760 [=====>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.8754
576/750 [=====>.....] - ETA: 0s - loss: 0.6700 - accuracy: 0.8754
649/750 [=====>.....] - ETA: 0s - loss: 0.6686 - accuracy: 0.8756
721/750 [=====>..] - ETA: 0s - loss: 0.6677 - accuracy: 0.8764
750/750 [=====] - 1s 846us/step - loss: 0.6669 - accuracy: 0.8765 - val_loss: 0.7000 - val_accuracy: 0.8662
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.8301 - accuracy: 0.8125
69/750 [=>.....] - ETA: 0s - loss: 0.6740 - accuracy: 0.8734
140/750 [====>.....] - ETA: 0s - loss: 0.6662 - accuracy: 0.8772
212/750 [=====>.....] - ETA: 0s - loss: 0.6650 - accuracy: 0.8766
284/750 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy: 0.8756
355/750 [=====>.....] - ETA: 0s - loss: 0.6647 - accuracy: 0.8764
428/750 [=====>.....] - ETA: 0s - loss: 0.6624 - accuracy: 0.8767
500/750 [=====>.....] - ETA: 0s - loss: 0.6606 - accuracy: 0.8777
572/750 [=====>.....] - ETA: 0s - loss: 0.6616 - accuracy: 0.8774
645/750 [=====>.....] - ETA: 0s - loss: 0.6642 - accuracy: 0.8770
716/750 [=====>..] - ETA: 0s - loss: 0.6650 - accuracy: 0.8767
750/750 [=====] - 1s 857us/step - loss: 0.6654 - accuracy: 0.8769 - val_loss: 0.6991 - val_accuracy: 0.8663
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.7389 - accuracy: 0.8125
71/750 [=>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.8697
141/750 [====>.....] - ETA: 0s - loss: 0.6716 - accuracy: 0.8739
210/750 [=====>.....] - ETA: 0s - loss: 0.6683 - accuracy: 0.8760
280/750 [=====>.....] - ETA: 0s - loss: 0.6697 - accuracy: 0.8762
351/750 [=====>.....] - ETA: 0s - loss: 0.6672 - accuracy:

0.8777 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy:
418/750 [=====>.....] - ETA: 0s - loss: 0.6664 - accuracy:
0.8775 [=====>.....] - ETA: 0s - loss: 0.6646 - accuracy:
489/750 [=====>.....] - ETA: 0s - loss: 0.6660 - accuracy:
0.8766 [=====>.....] - ETA: 0s - loss: 0.6637 - accuracy:
556/750 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
0.8762 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
696/750 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
0.8774 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
750/750 [=====] - 1s 877us/step - loss: 0.6640 - accuracy:
0.8770 - val_loss: 0.7069 - val_accuracy: 0.8616
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.6956 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.6666 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.6658 - accuracy:
0.8788 [=====>.....] - ETA: 0s - loss: 0.6650 - accuracy:
140/750 [=====>.....] - ETA: 0s - loss: 0.6635 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.6670 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.6659 - accuracy:
0.8773 [=====>.....] - ETA: 0s - loss: 0.6640 - accuracy:
281/750 [=====>.....] - ETA: 0s - loss: 0.6622 - accuracy:
0.8786 [=====>.....] - ETA: 0s - loss: 0.6628 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.6622 - accuracy:
0.8775 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
423/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
0.8771 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
0.8779 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
634/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
0.8776 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
706/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
0.8782 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy:
750/750 [=====] - 1s 873us/step - loss: 0.6621 - accuracy:
0.8783 - val_loss: 0.6967 - val_accuracy: 0.8679
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.5653 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.6644 - accuracy:
68/750 [=>.....] - ETA: 0s - loss: 0.6525 - accuracy:
140/750 [=====>.....] - ETA: 0s - loss: 0.6536 - accuracy:
0.8770 [=====>.....] - ETA: 0s - loss: 0.6541 - accuracy:
210/750 [=====>.....] - ETA: 0s - loss: 0.6541 - accuracy:
0.8781 [=====>.....] - ETA: 0s - loss: 0.6541 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 0.6541 - accuracy:

0.8779 [.....] - ETA: 0s - loss: 0.6564 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.6564 - accuracy:
0.8774 [.....] - ETA: 0s - loss: 0.6577 - accuracy:
418/750 [=====>.....] - ETA: 0s - loss: 0.6577 - accuracy:
0.8774 [.....] - ETA: 0s - loss: 0.6595 - accuracy:
487/750 [=====>.....] - ETA: 0s - loss: 0.6595 - accuracy:
0.8774 [.....] - ETA: 0s - loss: 0.6578 - accuracy:
559/750 [=====>.....] - ETA: 0s - loss: 0.6578 - accuracy:
0.8784 [.....] - ETA: 0s - loss: 0.6598 - accuracy:
628/750 [=====>.....] - ETA: 0s - loss: 0.6598 - accuracy:
0.8782 [.....] - ETA: 0s - loss: 0.6596 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.6596 - accuracy:
0.8782 [.....] - ETA: 0s - loss: 0.6605 - accuracy:
750/750 [=====] - 1s 877us/step - loss: 0.6605 - accuracy:
0.8779 - val_loss: 0.6941 - val_accuracy: 0.8662
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.5248 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6629 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.6629 - accuracy:
0.8784 [.....] - ETA: 0s - loss: 0.6632 - accuracy:
136/750 [====>.....] - ETA: 0s - loss: 0.6632 - accuracy:
0.8799 [.....] - ETA: 0s - loss: 0.6617 - accuracy:
206/750 [=====>.....] - ETA: 0s - loss: 0.6617 - accuracy:
0.8795 [.....] - ETA: 0s - loss: 0.6639 - accuracy:
274/750 [=====>.....] - ETA: 0s - loss: 0.6639 - accuracy:
0.8784 [.....] - ETA: 0s - loss: 0.6620 - accuracy:
345/750 [=====>.....] - ETA: 0s - loss: 0.6620 - accuracy:
0.8785 [.....] - ETA: 0s - loss: 0.6606 - accuracy:
414/750 [=====>.....] - ETA: 0s - loss: 0.6606 - accuracy:
0.8789 [.....] - ETA: 0s - loss: 0.6606 - accuracy:
485/750 [=====>.....] - ETA: 0s - loss: 0.6606 - accuracy:
0.8785 [.....] - ETA: 0s - loss: 0.6597 - accuracy:
556/750 [=====>.....] - ETA: 0s - loss: 0.6597 - accuracy:
0.8789 [.....] - ETA: 0s - loss: 0.6595 - accuracy:
629/750 [=====>.....] - ETA: 0s - loss: 0.6595 - accuracy:
0.8783 [.....] - ETA: 0s - loss: 0.6583 - accuracy:
701/750 [=====>..] - ETA: 0s - loss: 0.6583 - accuracy:
0.8791 [.....] - ETA: 0s - loss: 0.6592 - accuracy:
750/750 [=====] - 1s 868us/step - loss: 0.6592 - accuracy:
0.8784 - val_loss: 0.6978 - val_accuracy: 0.8649
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.5005 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.6690 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy:
0.8782 [.....] - ETA: 0s - loss: 0.6565 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6565 - accuracy:
0.8838 [.....] - ETA: 0s - loss: 0.6550 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.6550 - accuracy:

0.8831 [=====>.....] - ETA: 0s - loss: 0.6636 - accuracy: 0.8775
363/750 [=====>.....] - ETA: 0s - loss: 0.6592 - accuracy: 0.8780
434/750 [=====>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.8783
507/750 [=====>.....] - ETA: 0s - loss: 0.6592 - accuracy: 0.8782
577/750 [=====>.....] - ETA: 0s - loss: 0.6581 - accuracy: 0.8791
648/750 [=====>.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.8784
720/750 [=====>..] - ETA: 0s - loss: 0.6581 - accuracy: 0.8790
750/750 [=====] - 1s 861us/step - loss: 0.6581 - accuracy: 0.8790 - val_loss: 0.6916 - val_accuracy: 0.8672
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.9358 - accuracy: 0.7656
65/750 [=>.....] - ETA: 0s - loss: 0.6669 - accuracy: 0.8776
138/750 [====>.....] - ETA: 0s - loss: 0.6610 - accuracy: 0.8788
207/750 [=====>.....] - ETA: 0s - loss: 0.6590 - accuracy: 0.8782
278/750 [=====>.....] - ETA: 0s - loss: 0.6582 - accuracy: 0.8784
351/750 [=====>.....] - ETA: 0s - loss: 0.6570 - accuracy: 0.8793
422/750 [=====>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.8793
494/750 [=====>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.8789
567/750 [=====>.....] - ETA: 0s - loss: 0.6572 - accuracy: 0.8787
639/750 [=====>.....] - ETA: 0s - loss: 0.6560 - accuracy: 0.8791
712/750 [=====>..] - ETA: 0s - loss: 0.6562 - accuracy: 0.8793
750/750 [=====] - 1s 857us/step - loss: 0.6561 - accuracy: 0.8788 - val_loss: 0.6971 - val_accuracy: 0.8645
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.8887 - accuracy: 0.8281
68/750 [=>.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.8771
135/750 [====>.....] - ETA: 0s - loss: 0.6442 - accuracy:

0.8814 [=====>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.8809
276/750 [=====>.....] - ETA: 0s - loss: 0.6511 - accuracy: 0.8799
350/750 [=====>.....] - ETA: 0s - loss: 0.6517 - accuracy: 0.8800
422/750 [=====>.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.8808
495/750 [=====>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.8808
566/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8810
638/750 [=====>.....] - ETA: 0s - loss: 0.6531 - accuracy: 0.8803
710/750 [=====>..] - ETA: 0s - loss: 0.6541 - accuracy: 0.8796
750/750 [=====] - 1s 858us/step - loss: 0.6546 - accuracy: 0.8796 - val_loss: 0.6916 - val_accuracy: 0.8670
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.7318 - accuracy: 0.8438
71/750 [=>.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.8796
144/750 [====>.....] - ETA: 0s - loss: 0.6612 - accuracy: 0.8799
216/750 [=====>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.8786
288/750 [=====>.....] - ETA: 0s - loss: 0.6590 - accuracy: 0.8777
359/750 [=====>.....] - ETA: 0s - loss: 0.6573 - accuracy: 0.8786
433/750 [=====>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.8785
505/750 [=====>.....] - ETA: 0s - loss: 0.6550 - accuracy: 0.8789
578/750 [=====>.....] - ETA: 0s - loss: 0.6541 - accuracy: 0.8792
651/750 [=====>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.8795
724/750 [=====>..] - ETA: 0s - loss: 0.6527 - accuracy: 0.8800
750/750 [=====] - 1s 852us/step - loss: 0.6531 - accuracy: 0.8798 - val_loss: 0.6926 - val_accuracy: 0.8652
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.7029 - accuracy: 0.8438
69/750 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy:

0.8813 [.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.8810
139/750 [====>.....] - ETA: 0s - loss: 0.6537 - accuracy: 0.8819
210/750 [=====>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.8818
282/750 [=====>.....] - ETA: 0s - loss: 0.6496 - accuracy: 0.8821
355/750 [=====>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.8810
426/750 [=====>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.8807
500/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8800
573/750 [=====>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.8800
645/750 [=====>....] - ETA: 0s - loss: 0.6524 - accuracy: 0.8797
719/750 [=====>..] - ETA: 0s - loss: 0.6517 - accuracy: 0.8798
750/750 [=====] - 1s 849us/step - loss: 0.6517 - accuracy: 0.8798 - val_loss: 0.6866 - val_accuracy: 0.8695
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8761
147/750 [====>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.8766
219/750 [=====>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.8771
291/750 [=====>.....] - ETA: 0s - loss: 0.6565 - accuracy: 0.8766
364/750 [=====>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.8781
436/750 [=====>.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.8784
509/750 [=====>.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.8789
582/750 [=====>.....] - ETA: 0s - loss: 0.6519 - accuracy: 0.8787
652/750 [=====>....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8791
720/750 [=====>..] - ETA: 0s - loss: 0.6507 - accuracy: 0.8798
750/750 [=====] - 1s 865us/step - loss: 0.6501 - accuracy: 0.8801 - val_loss: 0.6901 - val_accuracy: 0.8687
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.7136 - accuracy:

0.8906 [.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8701
74/750 [=>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8701
146/750 [====>.....] - ETA: 0s - loss: 0.6552 - accuracy: 0.8766
219/750 [=====>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8788
293/750 [=====>.....] - ETA: 0s - loss: 0.6509 - accuracy: 0.8792
368/750 [=====>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.8790
440/750 [=====>.....] - ETA: 0s - loss: 0.6504 - accuracy: 0.8790
512/750 [=====>.....] - ETA: 0s - loss: 0.6493 - accuracy: 0.8797
587/750 [=====>.....] - ETA: 0s - loss: 0.6493 - accuracy: 0.8800
658/750 [=====>....] - ETA: 0s - loss: 0.6488 - accuracy: 0.8802
730/750 [=====>.] - ETA: 0s - loss: 0.6484 - accuracy: 0.8808
750/750 [=====] - 1s 846us/step - loss: 0.6486 - accuracy: 0.8806 - val_loss: 0.6836 - val_accuracy: 0.8673
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.6169 - accuracy: 0.8750
71/750 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.8794
144/750 [====>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.8810
216/750 [=====>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.8788
284/750 [=====>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.8804
356/750 [=====>.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.8825
430/750 [=====>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.8814
503/750 [=====>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.8803
575/750 [=====>.....] - ETA: 0s - loss: 0.6456 - accuracy: 0.8807
649/750 [=====>....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8806
719/750 [=====>..] - ETA: 0s - loss: 0.6474 - accuracy: 0.8807
750/750 [=====] - 1s 849us/step - loss: 0.6475 - accuracy: 0.8806 - val_loss: 0.6841 - val_accuracy: 0.8679
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.8830
145/750 [====>.....] - ETA: 0s - loss: 0.6457 - accuracy: 0.8802
218/750 [=====>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.8797
290/750 [=====>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.8816
363/750 [=====>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.8814
437/750 [=====>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.8826
510/750 [=====>.....] - ETA: 0s - loss: 0.6438 - accuracy: 0.8827
581/750 [=====>.....] - ETA: 0s - loss: 0.6428 - accuracy: 0.8828
654/750 [=====>....] - ETA: 0s - loss: 0.6436 - accuracy: 0.8824
726/750 [=====>.] - ETA: 0s - loss: 0.6460 - accuracy: 0.8817
750/750 [=====] - 1s 846us/step - loss: 0.6459 - accuracy: 0.8816 - val_loss: 0.6844 - val_accuracy: 0.8677
Epoch 116/220

1/750 [.....] - ETA: 0s - loss: 0.5277 - accuracy: 0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.6304 - accuracy: 0.8883
143/750 [====>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8864
218/750 [=====>.....] - ETA: 0s - loss: 0.6415 - accuracy: 0.8814
290/750 [=====>.....] - ETA: 0s - loss: 0.6402 - accuracy: 0.8824
364/750 [=====>.....] - ETA: 0s - loss: 0.6417 - accuracy: 0.8828
437/750 [=====>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.8826
508/750 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.8819
583/750 [=====>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8815
656/750 [=====>....] - ETA: 0s - loss: 0.6441 - accuracy: 0.8817
729/750 [=====>.] - ETA: 0s - loss: 0.6448 - accuracy: 0.8814
750/750 [=====] - 1s 840us/step - loss: 0.6445 - accuracy:

0.8816 - val_loss: 0.6870 - val_accuracy: 0.8679
Epoch 117/220

1/750 [.....] - ETA: 0s - loss: 0.6218 - accuracy: 0.8906
75/750 [==>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.8802
147/750 [====>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.8818
220/750 [=====>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.8822
293/750 [======>.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.8817
366/750 [======>.....] - ETA: 0s - loss: 0.6427 - accuracy: 0.8829
433/750 [======>.....] - ETA: 0s - loss: 0.6401 - accuracy: 0.8838
506/750 [======>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.8827
578/750 [======>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.8834
653/750 [======>....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8833
724/750 [======>..] - ETA: 0s - loss: 0.6433 - accuracy: 0.8826
750/750 [=====] - 1s 846us/step - loss: 0.6431 - accuracy: 0.8829 - val_loss: 0.6809 - val_accuracy: 0.8708
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.8831
146/750 [====>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.8832
218/750 [=====>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.8830
292/750 [======>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.8843
364/750 [======>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.8841
436/750 [======>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.8837
510/750 [======>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.8824
584/750 [======>.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.8834
657/750 [======>....] - ETA: 0s - loss: 0.6418 - accuracy: 0.8833
729/750 [======>.] - ETA: 0s - loss: 0.6425 - accuracy:

0.8829 [.....] - ETA: 0s - loss: 0.6416 - accuracy: 0.8831 - val_loss: 0.6810 - val_accuracy: 0.8698
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.8131 - accuracy: 0.7969
69/750 [=>.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.8870
139/750 [====>.....] - ETA: 0s - loss: 0.6400 - accuracy: 0.8837
213/750 [=====>.....] - ETA: 0s - loss: 0.6421 - accuracy: 0.8834
285/750 [======>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.8832
357/750 [======>.....] - ETA: 0s - loss: 0.6376 - accuracy: 0.8841
429/750 [======>.....] - ETA: 0s - loss: 0.6360 - accuracy: 0.8847
501/750 [======>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.8855
574/750 [======>.....] - ETA: 0s - loss: 0.6387 - accuracy: 0.8837
646/750 [======>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.8839
719/750 [======>..] - ETA: 0s - loss: 0.6401 - accuracy: 0.8835
750/750 [=====] - 1s 846us/step - loss: 0.6406 - accuracy: 0.8834 - val_loss: 0.6797 - val_accuracy: 0.8694
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.6792 - accuracy: 0.8438
75/750 [=>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8823
146/750 [====>.....] - ETA: 0s - loss: 0.6405 - accuracy: 0.8829
218/750 [=====>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.8810
292/750 [======>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.8806
365/750 [======>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.8810
438/750 [======>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.8815
508/750 [======>.....] - ETA: 0s - loss: 0.6400 - accuracy: 0.8827
577/750 [======>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.8827
650/750 [======>....] - ETA: 0s - loss: 0.6415 - accuracy: 0.8827

0.8814 [=====>..] - ETA: 0s - loss: 0.6408 - accuracy:
0.8818 [=====] - 1s 850us/step - loss: 0.6390 - accuracy:
0.8823 - val_loss: 0.6774 - val_accuracy: 0.8717
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.6510 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.6402 - accuracy:
0.8818 [====>.....] - ETA: 0s - loss: 0.6342 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.6373 - accuracy:
0.8834 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8830 [=====>.....] - ETA: 0s - loss: 0.6400 - accuracy:
0.8836 [=====>.....] - ETA: 0s - loss: 0.6406 - accuracy:
0.8832 [=====>.....] - ETA: 0s - loss: 0.6387 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.6379 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.6381 - accuracy:
0.8833 [=====>..] - ETA: 0s - loss: 0.6379 - accuracy:
0.8828 [=====>..] - ETA: 0s - loss: 0.6375 - accuracy:
0.8830 - val_loss: 0.6809 - val_accuracy: 0.8697
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.7517 - accuracy:
0.8438 [=>.....] - ETA: 0s - loss: 0.6259 - accuracy:
0.8875 [====>.....] - ETA: 0s - loss: 0.6358 - accuracy:
0.8849 [=====>.....] - ETA: 0s - loss: 0.6281 - accuracy:
0.8858 [=====>.....] - ETA: 0s - loss: 0.6313 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.6330 - accuracy:
0.8852 [=====>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.6356 - accuracy:
0.8844 [=====>.....] - ETA: 0s - loss: 0.6349 - accuracy:

0.8839 [=====] - ETA: 0s - loss: 0.6354 - accuracy:
649/750 [=====>....] - ETA: 0s - loss: 0.6354 - accuracy:
0.8837 [=====] - ETA: 0s - loss: 0.6358 - accuracy:
722/750 [=====>..] - ETA: 0s - loss: 0.6358 - accuracy:
0.8837 [=====] - ETA: 0s - loss: 0.6362 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.6362 - accuracy:
0.8835 - val_loss: 0.6786 - val_accuracy: 0.8697
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.5862 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6348 - accuracy:
76/750 [==>.....] - ETA: 0s - loss: 0.6348 - accuracy:
0.8840 [.....] - ETA: 0s - loss: 0.6317 - accuracy:
148/750 [===>.....] - ETA: 0s - loss: 0.6317 - accuracy:
0.8868 [.....] - ETA: 0s - loss: 0.6323 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.6323 - accuracy:
0.8843 [.....] - ETA: 0s - loss: 0.6364 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.6364 - accuracy:
0.8826 [.....] - ETA: 0s - loss: 0.6369 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.6369 - accuracy:
0.8826 [.....] - ETA: 0s - loss: 0.6347 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.6347 - accuracy:
0.8832 [.....] - ETA: 0s - loss: 0.6339 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.6339 - accuracy:
0.8830 [.....] - ETA: 0s - loss: 0.6346 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.6346 - accuracy:
0.8829 [.....] - ETA: 0s - loss: 0.6326 - accuracy:
654/750 [=====>....] - ETA: 0s - loss: 0.6326 - accuracy:
0.8841 [.....] - ETA: 0s - loss: 0.6335 - accuracy:
727/750 [=====>.] - ETA: 0s - loss: 0.6335 - accuracy:
0.8842 [.....] - ETA: 0s - loss: 0.6346 - accuracy:
750/750 [=====] - 1s 850us/step - loss: 0.6346 - accuracy:
0.8841 - val_loss: 0.6732 - val_accuracy: 0.8713
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.6262 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6494 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.6494 - accuracy:
0.8824 [.....] - ETA: 0s - loss: 0.6405 - accuracy:
145/750 [===>.....] - ETA: 0s - loss: 0.6405 - accuracy:
0.8842 [.....] - ETA: 0s - loss: 0.6378 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.6378 - accuracy:
0.8839 [.....] - ETA: 0s - loss: 0.6380 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.6380 - accuracy:
0.8840 [.....] - ETA: 0s - loss: 0.6397 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.6397 - accuracy:
0.8830 [.....] - ETA: 0s - loss: 0.6357 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.6357 - accuracy:
0.8841 [.....] - ETA: 0s - loss: 0.6347 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.6347 - accuracy:

0.8841 [=====>.....] - ETA: 0s - loss: 0.6351 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.6351 - accuracy:
0.8844 [=====>.....] - ETA: 0s - loss: 0.6352 - accuracy:
651/750 [=====>....] - ETA: 0s - loss: 0.6352 - accuracy:
0.8840 [=====>....] - ETA: 0s - loss: 0.6352 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.6343 - accuracy:
0.8840 [=====>.] - ETA: 0s - loss: 0.6343 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.6332 - accuracy:
0.8844 - val_loss: 0.6760 - val_accuracy: 0.8690
Epoch 125/220

1/750 [.....] - ETA: 0s - loss: 0.7101 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.7101 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6279 - accuracy:
0.8881 [=>.....] - ETA: 0s - loss: 0.6279 - accuracy:
143/750 [===>.....] - ETA: 0s - loss: 0.6358 - accuracy:
0.8846 [===>.....] - ETA: 0s - loss: 0.6358 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
0.8822 [=====>.....] - ETA: 0s - loss: 0.6345 - accuracy:
287/750 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:
0.8833 [=====>.....] - ETA: 0s - loss: 0.6311 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.6334 - accuracy:
0.8837 [=====>.....] - ETA: 0s - loss: 0.6334 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.6342 - accuracy:
0.8823 [=====>.....] - ETA: 0s - loss: 0.6342 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
0.8844 [=====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
574/750 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
0.8852 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
644/750 [=====>....] - ETA: 0s - loss: 0.6320 - accuracy:
0.8843 [=====>....] - ETA: 0s - loss: 0.6320 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.6326 - accuracy:
0.8841 [=====>..] - ETA: 0s - loss: 0.6326 - accuracy:
750/750 [=====] - 1s 864us/step - loss: 0.6318 - accuracy:
0.8844 - val_loss: 0.6753 - val_accuracy: 0.8706
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.6114 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6114 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.6293 - accuracy:
0.8879 [=>.....] - ETA: 0s - loss: 0.6293 - accuracy:
138/750 [===>.....] - ETA: 0s - loss: 0.6280 - accuracy:
0.8862 [===>.....] - ETA: 0s - loss: 0.6280 - accuracy:
206/750 [=====>.....] - ETA: 0s - loss: 0.6293 - accuracy:
0.8840 [=====>.....] - ETA: 0s - loss: 0.6293 - accuracy:
276/750 [=====>.....] - ETA: 0s - loss: 0.6277 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.6277 - accuracy:
344/750 [=====>.....] - ETA: 0s - loss: 0.6293 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.6293 - accuracy:
413/750 [=====>.....] - ETA: 0s - loss: 0.6291 - accuracy:

0.8846 [=====>.....] - ETA: 0s - loss: 0.6285 - accuracy:
482/750 [=====>.....] - ETA: 0s - loss: 0.6285 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.6277 - accuracy:
552/750 [=====>.....] - ETA: 0s - loss: 0.6277 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
622/750 [=====>.....] - ETA: 0s - loss: 0.6296 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.6297 - accuracy:
690/750 [=====>...] - ETA: 0s - loss: 0.6297 - accuracy:
0.8855 [=====>...] - ETA: 0s - loss: 0.6309 - accuracy:
750/750 [=====] - 1s 892us/step - loss: 0.6309 - accuracy:
0.8848 - val_loss: 0.6752 - val_accuracy: 0.8693
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.5505 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6234 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6234 - accuracy:
0.8880 [=>.....] - ETA: 0s - loss: 0.6314 - accuracy:
137/750 [====>.....] - ETA: 0s - loss: 0.6314 - accuracy:
0.8839 [====>.....] - ETA: 0s - loss: 0.6300 - accuracy:
205/750 [=====>.....] - ETA: 0s - loss: 0.6300 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.6284 - accuracy:
277/750 [=====>.....] - ETA: 0s - loss: 0.6284 - accuracy:
0.8845 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.6314 - accuracy:
416/750 [=====>.....] - ETA: 0s - loss: 0.6314 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.6295 - accuracy:
487/750 [=====>.....] - ETA: 0s - loss: 0.6295 - accuracy:
0.8860 [=====>.....] - ETA: 0s - loss: 0.6297 - accuracy:
558/750 [=====>.....] - ETA: 0s - loss: 0.6297 - accuracy:
0.8859 [=====>.....] - ETA: 0s - loss: 0.6288 - accuracy:
630/750 [=====>.....] - ETA: 0s - loss: 0.6288 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.6295 - accuracy:
703/750 [=====>...] - ETA: 0s - loss: 0.6295 - accuracy:
0.8854 [=====>...] - ETA: 0s - loss: 0.6293 - accuracy:
750/750 [=====] - 1s 869us/step - loss: 0.6293 - accuracy:
0.8855 - val_loss: 0.6707 - val_accuracy: 0.8721
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.6989 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6177 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.6177 - accuracy:
0.8877 [=>.....] - ETA: 0s - loss: 0.6194 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.6194 - accuracy:
0.8882 [====>.....] - ETA: 0s - loss: 0.6265 - accuracy:
212/750 [=====>.....] - ETA: 0s - loss: 0.6265 - accuracy:
0.8848 [=====>.....] - ETA: 0s - loss: 0.6255 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.6255 - accuracy:
0.8855 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
358/750 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:

0.8865 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy:
431/750 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy:
500/750 [=====>.....] - ETA: 0s - loss: 0.6263 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.6279 - accuracy:
572/750 [=====>.....] - ETA: 0s - loss: 0.6279 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.6290 - accuracy:
646/750 [=====>.....] - ETA: 0s - loss: 0.6290 - accuracy:
0.8852 [=====>.....] - ETA: 0s - loss: 0.6270 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.6270 - accuracy:
0.8860 [=====>..] - ETA: 0s - loss: 0.6281 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.6281 - accuracy:
0.8854 - val_loss: 0.6711 - val_accuracy: 0.8708
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.5748 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6220 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6220 - accuracy:
0.8889 [=>.....] - ETA: 0s - loss: 0.6299 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6299 - accuracy:
0.8869 [====>.....] - ETA: 0s - loss: 0.6310 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.6310 - accuracy:
0.8863 [=====>.....] - ETA: 0s - loss: 0.6319 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.6319 - accuracy:
0.8846 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.6298 - accuracy:
0.8851 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.6294 - accuracy:
0.8853 [=====>.....] - ETA: 0s - loss: 0.6289 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.6289 - accuracy:
0.8856 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.6283 - accuracy:
0.8858 [=====>.....] - ETA: 0s - loss: 0.6273 - accuracy:
656/750 [=====>....] - ETA: 0s - loss: 0.6273 - accuracy:
0.8856 [=====>....] - ETA: 0s - loss: 0.6264 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.6264 - accuracy:
0.8859 [=====>.] - ETA: 0s - loss: 0.6272 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.6272 - accuracy:
0.8855 - val_loss: 0.6682 - val_accuracy: 0.8728
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.7218 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.6437 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6437 - accuracy:
0.8793 [=>.....] - ETA: 0s - loss: 0.6319 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.6319 - accuracy:
0.8832 [====>.....] - ETA: 0s - loss: 0.6276 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6276 - accuracy:
0.8843 [=====>.....] - ETA: 0s - loss: 0.6255 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.6255 - accuracy:

0.8855 [.....] - ETA: 0s - loss: 0.6250 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.6250 - accuracy:
0.8847 [.....] - ETA: 0s - loss: 0.6295 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.6295 - accuracy:
0.8841 [.....] - ETA: 0s - loss: 0.6254 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.6254 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.6258 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy:
0.8862 [.....] - ETA: 0s - loss: 0.6254 - accuracy:
653/750 [=====>....] - ETA: 0s - loss: 0.6254 - accuracy:
0.8865 [.....] - ETA: 0s - loss: 0.6253 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.6253 - accuracy:
0.8865 [.....] - 1s 845us/step - loss: 0.6255 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.6255 - accuracy:
0.8864 - val_loss: 0.6681 - val_accuracy: 0.8709
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.6172 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6231 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.6231 - accuracy:
0.8836 [.....] - ETA: 0s - loss: 0.6237 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6237 - accuracy:
0.8859 [.....] - ETA: 0s - loss: 0.6267 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.6267 - accuracy:
0.8844 [.....] - ETA: 0s - loss: 0.6194 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.6194 - accuracy:
0.8879 [.....] - ETA: 0s - loss: 0.6203 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.6203 - accuracy:
0.8879 [.....] - ETA: 0s - loss: 0.6229 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.6229 - accuracy:
0.8864 [.....] - ETA: 0s - loss: 0.6240 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.6240 - accuracy:
0.8859 [.....] - ETA: 0s - loss: 0.6236 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.6236 - accuracy:
0.8857 [.....] - ETA: 0s - loss: 0.6230 - accuracy:
648/750 [=====>....] - ETA: 0s - loss: 0.6230 - accuracy:
0.8860 [.....] - ETA: 0s - loss: 0.6239 - accuracy:
722/750 [=====>..] - ETA: 0s - loss: 0.6239 - accuracy:
0.8857 [.....] - 1s 848us/step - loss: 0.6240 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.6240 - accuracy:
0.8858 - val_loss: 0.6686 - val_accuracy: 0.8704
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.5691 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6405 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6405 - accuracy:
0.8812 [.....] - ETA: 0s - loss: 0.6340 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6340 - accuracy:
0.8801 [.....] - ETA: 0s - loss: 0.6314 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.6314 - accuracy:

0.8813 [=====>.....] - ETA: 0s - loss: 0.6256 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.6253 - accuracy:
0.8849 [=====>.....] - ETA: 0s - loss: 0.6238 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.6228 - accuracy:
0.8854 [=====>.....] - ETA: 0s - loss: 0.6215 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.6220 - accuracy:
0.8857 [=====>.....] - ETA: 0s - loss: 0.6225 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
0.8862 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
581/750 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
655/750 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
0.8868 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
729/750 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
0.8867 [=====>.....] - ETA: 0s - loss: 0.6230 - accuracy:
750/750 [=====] - 1s 840us/step - loss: 0.6230 - accuracy:
0.8864 - val_loss: 0.6683 - val_accuracy: 0.8712
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.5722 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy:
0.8908 [====>.....] - ETA: 0s - loss: 0.6213 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6218 - accuracy:
0.8838 [====>.....] - ETA: 0s - loss: 0.6251 - accuracy:
217/750 [====>.....] - ETA: 0s - loss: 0.6256 - accuracy:
0.8851 [====>.....] - ETA: 0s - loss: 0.6251 - accuracy:
291/750 [====>.....] - ETA: 0s - loss: 0.6224 - accuracy:
0.8854 [====>.....] - ETA: 0s - loss: 0.6243 - accuracy:
360/750 [====>.....] - ETA: 0s - loss: 0.6215 - accuracy:
0.8845 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
433/750 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8845 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
508/750 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8854 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
580/750 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8856 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
651/750 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8851 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
725/750 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
0.8864 [====>.....] - ETA: 0s - loss: 0.6217 - accuracy:
750/750 [====>.....] - 1s 844us/step - loss: 0.6217 - accuracy:
0.8864 - val_loss: 0.6647 - val_accuracy: 0.8710
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.7208 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6122 - accuracy:
0.8906 [====>.....] - ETA: 0s - loss: 0.6122 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.6122 - accuracy:

0.8906 [=====>.....] - ETA: 0s - loss: 0.6200 - accuracy: 0.8873
290/750 [=====>.....] - ETA: 0s - loss: 0.6198 - accuracy: 0.8879
362/750 [=====>.....] - ETA: 0s - loss: 0.6198 - accuracy: 0.8870
433/750 [=====>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.8868
506/750 [=====>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.8866
580/750 [=====>.....] - ETA: 0s - loss: 0.6222 - accuracy: 0.8862
651/750 [=====>....] - ETA: 0s - loss: 0.6203 - accuracy: 0.8869
719/750 [=====>..] - ETA: 0s - loss: 0.6198 - accuracy: 0.8873
750/750 [=====] - 1s 857us/step - loss: 0.6201 - accuracy: 0.8870 - val_loss: 0.6620 - val_accuracy: 0.8741
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.7971 - accuracy: 0.8281
75/750 [==>.....] - ETA: 0s - loss: 0.6183 - accuracy: 0.8865
148/750 [===>.....] - ETA: 0s - loss: 0.6173 - accuracy: 0.8876
218/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.8869
292/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.8876
363/750 [=====>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.8861
436/750 [=====>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.8875
509/750 [=====>.....] - ETA: 0s - loss: 0.6192 - accuracy: 0.8872
582/750 [=====>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.8870
654/750 [=====>....] - ETA: 0s - loss: 0.6192 - accuracy: 0.8877
727/750 [=====>.] - ETA: 0s - loss: 0.6187 - accuracy: 0.8878
750/750 [=====] - 1s 841us/step - loss: 0.6187 - accuracy: 0.8878 - val_loss: 0.6636 - val_accuracy: 0.8725
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.7233 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.6215 - accuracy:

0.8841 [.....] - ETA: 0s - loss: 0.6110 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6110 - accuracy:
0.8885 [.....] - ETA: 0s - loss: 0.6118 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.6118 - accuracy:
0.8899 [.....] - ETA: 0s - loss: 0.6158 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8887 [.....] - ETA: 0s - loss: 0.6156 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.6156 - accuracy:
0.8890 [.....] - ETA: 0s - loss: 0.6120 - accuracy:
435/750 [=====>.....] - ETA: 0s - loss: 0.6120 - accuracy:
0.8898 [.....] - ETA: 0s - loss: 0.6156 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.6156 - accuracy:
0.8883 [.....] - ETA: 0s - loss: 0.6176 - accuracy:
581/750 [=====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8878 [.....] - ETA: 0s - loss: 0.6182 - accuracy:
654/750 [=====>....] - ETA: 0s - loss: 0.6182 - accuracy:
0.8879 [.....] - ETA: 0s - loss: 0.6176 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.6176 - accuracy:
0.8883 [.....] - 1s 844us/step - loss: 0.6176 - accuracy:
750/750 [=====] - 1s 844us/step - loss: 0.6176 - accuracy:
0.8882 - val_loss: 0.6620 - val_accuracy: 0.8734
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.4992 - accuracy:
0.9688 [.....] - ETA: 0s - loss: 0.6413 - accuracy:
75/750 [==>.....] - ETA: 0s - loss: 0.6413 - accuracy:
0.8800 [.....] - ETA: 0s - loss: 0.6285 - accuracy:
147/750 [====>.....] - ETA: 0s - loss: 0.6285 - accuracy:
0.8833 [.....] - ETA: 0s - loss: 0.6246 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.6246 - accuracy:
0.8856 [.....] - ETA: 0s - loss: 0.6206 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.6206 - accuracy:
0.8858 [.....] - ETA: 0s - loss: 0.6176 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.6176 - accuracy:
0.8875 [.....] - ETA: 0s - loss: 0.6166 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.6166 - accuracy:
0.8880 [.....] - ETA: 0s - loss: 0.6153 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
0.8879 [.....] - ETA: 0s - loss: 0.6163 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.6163 - accuracy:
0.8881 [.....] - ETA: 0s - loss: 0.6164 - accuracy:
651/750 [=====>....] - ETA: 0s - loss: 0.6164 - accuracy:
0.8881 [.....] - ETA: 0s - loss: 0.6167 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.6167 - accuracy:
0.8878 [.....] - 1s 846us/step - loss: 0.6165 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.6165 - accuracy:
0.8877 - val_loss: 0.6601 - val_accuracy: 0.8747
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.4887 - accuracy:

0.9375 [.....] - ETA: 0s - loss: 0.6226 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6226 - accuracy:
0.8863 [.....] - ETA: 0s - loss: 0.6098 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6117 - accuracy:
0.8917 [.....] - ETA: 0s - loss: 0.6166 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6198 - accuracy:
0.8900 [.....] - ETA: 0s - loss: 0.6182 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.6186 - accuracy:
0.8879 [.....] - ETA: 0s - loss: 0.6188 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.6171 - accuracy:
0.8865 [.....] - ETA: 0s - loss: 0.6154 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8861 [.....] - ETA: 0s - loss: 0.6158 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8861 [.....] - ETA: 0s - loss: 0.6158 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8858 [.....] - ETA: 0s - loss: 0.6158 - accuracy:
657/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8870 [.....] - ETA: 0s - loss: 0.6158 - accuracy:
731/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy:
0.8883 [.....] - ETA: 0s - loss: 0.6158 - accuracy:
750/750 [=====>.....] - 1s 840us/step - loss: 0.6158 - accuracy:
0.8882 - val_loss: 0.6594 - val_accuracy: 0.8728
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.5622 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6072 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6044 - accuracy:
0.8915 [.....] - ETA: 0s - loss: 0.6118 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6162 - accuracy:
0.8933 [.....] - ETA: 0s - loss: 0.6145 - accuracy:
220/750 [=====>.....] - ETA: 0s - loss: 0.6144 - accuracy:
0.8914 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.6157 - accuracy:
0.8884 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
366/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy:
0.8885 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
438/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy:
0.8880 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy:
0.8884 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy:
0.8877 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
653/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy:
0.8886 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
726/750 [=====>.....] - ETA: 0s - loss: 0.6140 - accuracy:
0.8888 [.....] - ETA: 0s - loss: 0.6140 - accuracy:
750/750 [=====>.....] - 1s 845us/step - loss: 0.6141 - accuracy:
0.8886 - val_loss: 0.6577 - val_accuracy: 0.8731
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.4547 - accuracy: 0.9375
72/750 [=>.....] - ETA: 0s - loss: 0.5981 - accuracy: 0.8930
145/750 [====>.....] - ETA: 0s - loss: 0.6114 - accuracy: 0.8893
217/750 [=====>.....] - ETA: 0s - loss: 0.6127 - accuracy: 0.8896
291/750 [======>.....] - ETA: 0s - loss: 0.6157 - accuracy: 0.8891
364/750 [======>.....] - ETA: 0s - loss: 0.6181 - accuracy: 0.8880
436/750 [======>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.8874
510/750 [======>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.8881
584/750 [======>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.8881
656/750 [======>....] - ETA: 0s - loss: 0.6136 - accuracy: 0.8891
730/750 [======>.] - ETA: 0s - loss: 0.6139 - accuracy: 0.8887
750/750 [=====] - 1s 842us/step - loss: 0.6127 - accuracy: 0.8890 - val_loss: 0.6604 - val_accuracy: 0.8721
Epoch 141/220

1/750 [.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.8983
146/750 [====>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.8908
221/750 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.8894
291/750 [======>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8889
363/750 [======>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.8898
436/750 [======>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.8888
507/750 [======>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.8892
581/750 [======>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.8889
652/750 [======>....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8884
726/750 [======>.] - ETA: 0s - loss: 0.6112 - accuracy: 0.8892
750/750 [=====] - 1s 841us/step - loss: 0.6113 - accuracy:

0.8892 - val_loss: 0.6630 - val_accuracy: 0.8689
Epoch 142/220

1/750 [.....] - ETA: 0s - loss: 0.6570 - accuracy:
0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.6050 - accuracy:
0.8906
150/750 [====>.....] - ETA: 0s - loss: 0.6268 - accuracy:
0.8868
221/750 [=====>.....] - ETA: 0s - loss: 0.6153 - accuracy:
0.8890
296/750 [======>.....] - ETA: 0s - loss: 0.6120 - accuracy:
0.8890
367/750 [======>.....] - ETA: 0s - loss: 0.6110 - accuracy:
0.8897
439/750 [======>.....] - ETA: 0s - loss: 0.6112 - accuracy:
0.8897
513/750 [======>.....] - ETA: 0s - loss: 0.6108 - accuracy:
0.8897
578/750 [======>.....] - ETA: 0s - loss: 0.6104 - accuracy:
0.8892
650/750 [======>....] - ETA: 0s - loss: 0.6093 - accuracy:
0.8899
723/750 [======>..] - ETA: 0s - loss: 0.6108 - accuracy:
0.8893
750/750 [=====] - 1s 849us/step - loss: 0.6103 - accuracy:
0.8895 - val_loss: 0.6604 - val_accuracy: 0.8715
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.7640 - accuracy:
0.7969
74/750 [=>.....] - ETA: 0s - loss: 0.6127 - accuracy:
0.8891
147/750 [====>.....] - ETA: 0s - loss: 0.6024 - accuracy:
0.8897
219/750 [=====>.....] - ETA: 0s - loss: 0.6072 - accuracy:
0.8871
290/750 [======>.....] - ETA: 0s - loss: 0.6101 - accuracy:
0.8879
364/750 [======>.....] - ETA: 0s - loss: 0.6096 - accuracy:
0.8883
436/750 [======>.....] - ETA: 0s - loss: 0.6106 - accuracy:
0.8880
510/750 [======>.....] - ETA: 0s - loss: 0.6091 - accuracy:
0.8890
585/750 [======>.....] - ETA: 0s - loss: 0.6089 - accuracy:
0.8897
656/750 [======>....] - ETA: 0s - loss: 0.6082 - accuracy:
0.8899
718/750 [======>..] - ETA: 0s - loss: 0.6085 - accuracy:

0.8900
750/750 [=====] - 1s 853us/step - loss: 0.6088 - accuracy:
0.8900 - val_loss: 0.6600 - val_accuracy: 0.8716
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.5571 - accuracy:
0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy:
0.8941
138/750 [====>.....] - ETA: 0s - loss: 0.6015 - accuracy:
0.8920
212/750 [=====>.....] - ETA: 0s - loss: 0.6029 - accuracy:
0.8934
284/750 [======>.....] - ETA: 0s - loss: 0.6079 - accuracy:
0.8912
357/750 [======>.....] - ETA: 0s - loss: 0.6052 - accuracy:
0.8919
431/750 [======>.....] - ETA: 0s - loss: 0.6043 - accuracy:
0.8914
502/750 [======>.....] - ETA: 0s - loss: 0.6064 - accuracy:
0.8902
575/750 [======>.....] - ETA: 0s - loss: 0.6048 - accuracy:
0.8902
648/750 [======>.....] - ETA: 0s - loss: 0.6063 - accuracy:
0.8900
720/750 [======>..] - ETA: 0s - loss: 0.6078 - accuracy:
0.8901
750/750 [=====] - 1s 854us/step - loss: 0.6077 - accuracy:
0.8901 - val_loss: 0.6641 - val_accuracy: 0.8689
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.7010 - accuracy:
0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.6145 - accuracy:
0.8896
146/750 [====>.....] - ETA: 0s - loss: 0.6119 - accuracy:
0.8883
219/750 [=====>.....] - ETA: 0s - loss: 0.6133 - accuracy:
0.8886
292/750 [======>.....] - ETA: 0s - loss: 0.6123 - accuracy:
0.8891
365/750 [======>.....] - ETA: 0s - loss: 0.6123 - accuracy:
0.8898
438/750 [======>.....] - ETA: 0s - loss: 0.6082 - accuracy:
0.8911
509/750 [======>.....] - ETA: 0s - loss: 0.6091 - accuracy:
0.8906
580/750 [======>.....] - ETA: 0s - loss: 0.6075 - accuracy:
0.8898
652/750 [======>.....] - ETA: 0s - loss: 0.6070 - accuracy:

0.8896 [=====] - ETA: 0s - loss: 0.6070 - accuracy:
723/750 [=====>..] - ETA: 0s - loss: 0.6070 - accuracy:
0.8895 [=====] - ETA: 0s - loss: 0.6070 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.6071 - accuracy:
0.8898 - val_loss: 0.6535 - val_accuracy: 0.8744
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.6787 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.6787 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.6019 - accuracy:
0.8859 [=>.....] - ETA: 0s - loss: 0.6019 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.6047 - accuracy:
0.8890 [====>.....] - ETA: 0s - loss: 0.6047 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6073 - accuracy:
0.8882 [=====>.....] - ETA: 0s - loss: 0.6073 - accuracy:
288/750 [======>.....] - ETA: 0s - loss: 0.6031 - accuracy:
0.8898 [======>.....] - ETA: 0s - loss: 0.6031 - accuracy:
358/750 [======>.....] - ETA: 0s - loss: 0.6026 - accuracy:
0.8904 [======>.....] - ETA: 0s - loss: 0.6026 - accuracy:
427/750 [======>.....] - ETA: 0s - loss: 0.6017 - accuracy:
0.8906 [======>.....] - ETA: 0s - loss: 0.6017 - accuracy:
500/750 [======>.....] - ETA: 0s - loss: 0.6057 - accuracy:
0.8893 [======>.....] - ETA: 0s - loss: 0.6057 - accuracy:
574/750 [======>.....] - ETA: 0s - loss: 0.6058 - accuracy:
0.8892 [======>.....] - ETA: 0s - loss: 0.6058 - accuracy:
647/750 [======>.....] - ETA: 0s - loss: 0.6061 - accuracy:
0.8896 [======>.....] - ETA: 0s - loss: 0.6061 - accuracy:
720/750 [======>..] - ETA: 0s - loss: 0.6053 - accuracy:
0.8900 [======>..] - ETA: 0s - loss: 0.6053 - accuracy:
750/750 [=====] - 1s 852us/step - loss: 0.6055 - accuracy:
0.8898 - val_loss: 0.6539 - val_accuracy: 0.8733
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.5958 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5958 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy:
0.8945 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.6028 - accuracy:
0.8922 [====>.....] - ETA: 0s - loss: 0.6028 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6099 - accuracy:
0.8898 [=====>.....] - ETA: 0s - loss: 0.6099 - accuracy:
290/750 [======>.....] - ETA: 0s - loss: 0.6082 - accuracy:
0.8900 [======>.....] - ETA: 0s - loss: 0.6082 - accuracy:
361/750 [======>.....] - ETA: 0s - loss: 0.6080 - accuracy:
0.8908 [======>.....] - ETA: 0s - loss: 0.6080 - accuracy:
432/750 [======>.....] - ETA: 0s - loss: 0.6090 - accuracy:
0.8904 [======>.....] - ETA: 0s - loss: 0.6090 - accuracy:
503/750 [======>.....] - ETA: 0s - loss: 0.6086 - accuracy:
0.8901 [======>.....] - ETA: 0s - loss: 0.6086 - accuracy:
574/750 [======>.....] - ETA: 0s - loss: 0.6070 - accuracy:

0.8904 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
646/750 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
0.8912 [=====>.....] - ETA: 0s - loss: 0.6051 - accuracy:
717/750 [=====>.....] - ETA: 0s - loss: 0.6043 - accuracy:
0.8911 [=====>.....] - ETA: 0s - loss: 0.6043 - accuracy:
750/750 [=====] - 1s 852us/step - loss: 0.6045 - accuracy:
0.8910 - val_loss: 0.6524 - val_accuracy: 0.8722
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.7364 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.7364 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.5997 - accuracy:
0.8920 [=====>.....] - ETA: 0s - loss: 0.5997 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.6028 - accuracy:
0.8907 [=====>.....] - ETA: 0s - loss: 0.6028 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.6032 - accuracy:
0.8910 [=====>.....] - ETA: 0s - loss: 0.6032 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.6042 - accuracy:
0.8917 [=====>.....] - ETA: 0s - loss: 0.6042 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.6049 - accuracy:
0.8909 [=====>.....] - ETA: 0s - loss: 0.6049 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.6045 - accuracy:
0.8907 [=====>.....] - ETA: 0s - loss: 0.6045 - accuracy:
580/750 [=====>.....] - ETA: 0s - loss: 0.6040 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.6040 - accuracy:
654/750 [=====>.....] - ETA: 0s - loss: 0.6046 - accuracy:
0.8901 [=====>.....] - ETA: 0s - loss: 0.6046 - accuracy:
728/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy:
0.8905 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.6031 - accuracy:
0.8902 - val_loss: 0.6573 - val_accuracy: 0.8731
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.6957 - accuracy:
0.8281 [.....] - ETA: 0s - loss: 0.6957 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5868 - accuracy:
0.8988 [=>.....] - ETA: 0s - loss: 0.5868 - accuracy:
148/750 [=====>.....] - ETA: 0s - loss: 0.5919 - accuracy:
0.8945 [=====>.....] - ETA: 0s - loss: 0.5919 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.5917 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.5917 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.5955 - accuracy:
0.8941 [=====>.....] - ETA: 0s - loss: 0.5955 - accuracy:
364/750 [=====>.....] - ETA: 0s - loss: 0.5950 - accuracy:
0.8942 [=====>.....] - ETA: 0s - loss: 0.5950 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5954 - accuracy:
0.8938 [=====>.....] - ETA: 0s - loss: 0.5954 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy:

0.8940
580/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.8939
651/750 [=====>....] - ETA: 0s - loss: 0.6001 - accuracy: 0.8927
721/750 [=====>..] - ETA: 0s - loss: 0.6018 - accuracy: 0.8922
750/750 [=====] - 1s 849us/step - loss: 0.6020 - accuracy: 0.8922 - val_loss: 0.6527 - val_accuracy: 0.8733
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.7495 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.8870
148/750 [====>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.8888
219/750 [=====>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.8909
291/750 [=====>.....] - ETA: 0s - loss: 0.5989 - accuracy: 0.8914
364/750 [=====>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.8903
437/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8921
510/750 [=====>.....] - ETA: 0s - loss: 0.5972 - accuracy: 0.8919
580/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy: 0.8921
650/750 [=====>....] - ETA: 0s - loss: 0.5989 - accuracy: 0.8919
725/750 [=====>.] - ETA: 0s - loss: 0.5995 - accuracy: 0.8915
750/750 [=====] - 1s 845us/step - loss: 0.6006 - accuracy: 0.8910 - val_loss: 0.6528 - val_accuracy: 0.8729
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.4851 - accuracy: 0.9375
71/750 [=>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.8838
144/750 [====>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.8860
217/750 [=====>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.8891
288/750 [=====>.....] - ETA: 0s - loss: 0.6012 - accuracy: 0.8898
361/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.8922
435/750 [=====>.....] - ETA: 0s - loss: 0.5986 - accuracy:

0.8919 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy:
508/750 [=====>.....] - ETA: 0s - loss: 0.6006 - accuracy:
0.8915 [=====>.....] - ETA: 0s - loss: 0.6000 - accuracy:
651/750 [=====>....] - ETA: 0s - loss: 0.6000 - accuracy:
0.8915 [=====>..] - ETA: 0s - loss: 0.6000 - accuracy:
723/750 [=====>..] - ETA: 0s - loss: 0.6000 - accuracy:
0.8909 [=====] - 1s 848us/step - loss: 0.5994 - accuracy:
0.8909 - val_loss: 0.6554 - val_accuracy: 0.8720
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.4642 - accuracy:
0.9688 [=>.....] - ETA: 0s - loss: 0.6042 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.6042 - accuracy:
0.8852 [====>.....] - ETA: 0s - loss: 0.5961 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6027 - accuracy:
0.8909 [=====>.....] - ETA: 0s - loss: 0.6023 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.6005 - accuracy:
0.8895 [=====>.....] - ETA: 0s - loss: 0.6005 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.6008 - accuracy:
0.8903 [=====>.....] - ETA: 0s - loss: 0.5984 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.5981 - accuracy:
0.8909 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8910 [=====>.....] - 1s 853us/step - loss: 0.5983 - accuracy:
498/750 [=====>.....] - val_loss: 0.6465 - val_accuracy: 0.8763
0.8910 [=====>.....] -
569/750 [=====>.....] -
0.8923 [=====>.....] -
641/750 [=====>.....] -
0.8926 [=====>.....] -
714/750 [=====>.....] -
0.8924 [=====>.....] -
750/750 [=====>.....] -
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.7054 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5934 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy:
0.8919 [====>.....] - ETA: 0s - loss: 0.5967 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.6010 - accuracy:
0.8895 [=====>.....] - ETA: 0s - loss: 0.6028 - accuracy:
217/750 [=====>.....] -
0.8902 [=====>.....] -
290/750 [=====>.....] -
0.8892 [=====>.....] -
361/750 [=====>.....] -

0.8885 [=====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
0.8895 [=====>.....] - ETA: 0s - loss: 0.5996 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8906 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
572/750 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8911 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy:
638/750 [=====>.....] - ETA: 0s - loss: 0.5988 - accuracy:
0.8913 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy:
711/750 [=====>..] - ETA: 0s - loss: 0.5971 - accuracy:
0.8914 [=====] - 1s 860us/step - loss: 0.5971 - accuracy:
750/750 [=====] - 1s 860us/step - loss: 0.5971 - accuracy:
0.8919 - val_loss: 0.6464 - val_accuracy: 0.8775
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.5641 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.6080 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6062 - accuracy:
0.8863 [=>.....] - ETA: 0s - loss: 0.6000 - accuracy:
146/750 [=====>.....] - ETA: 0s - loss: 0.5997 - accuracy:
0.8876 [=====>.....] - ETA: 0s - loss: 0.5987 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.5992 - accuracy:
0.8905 [=====>.....] - ETA: 0s - loss: 0.5959 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.5957 - accuracy:
0.8900 [=====>.....] - ETA: 0s - loss: 0.5957 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.5968 - accuracy:
0.8902 [=====>.....] - ETA: 0s - loss: 0.5958 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.6670 - accuracy:
0.8899 [=====>.....] - ETA: 0s - loss: 0.5937 - accuracy:
506/750 [=====>.....] - ETA: 0s - loss: 0.6024 - accuracy:
0.8918 [=====>.....] - ETA: 0s - loss: 0.5910 - accuracy:
577/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8918 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8920 [=====>....] - ETA: 0s - loss: 0.5951 - accuracy:
722/750 [=====>..] - ETA: 0s - loss: 0.5951 - accuracy:
0.8916 [=====>..] - ETA: 0s - loss: 0.5951 - accuracy:
750/750 [=====>] - 1s 846us/step - loss: 0.5951 - accuracy:
0.8919 - val_loss: 0.6527 - val_accuracy: 0.8712
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.6670 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.5937 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6024 - accuracy:
0.8908 [=>.....] - ETA: 0s - loss: 0.5910 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8874 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8929 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:

0.8911 [=====>.....] - ETA: 0s - loss: 0.5982 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.5982 - accuracy:
0.8896 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.5976 - accuracy:
0.8905 [=====>.....] - ETA: 0s - loss: 0.5960 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.5960 - accuracy:
0.8917 [=====>.....] - ETA: 0s - loss: 0.5958 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.5958 - accuracy:
0.8920 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
0.8925 [=====>.....] - ETA: 0s - loss: 0.5948 - accuracy:
722/750 [=====>..] - ETA: 0s - loss: 0.5948 - accuracy:
0.8925 [=====>..] - ETA: 0s - loss: 0.5946 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.5946 - accuracy:
0.8926 - val_loss: 0.6460 - val_accuracy: 0.8751
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.6644 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.6020 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.6020 - accuracy:
0.8919 [=>.....] - ETA: 0s - loss: 0.6002 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.6002 - accuracy:
0.8919 [====>.....] - ETA: 0s - loss: 0.5970 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.5970 - accuracy:
0.8923 [=====>.....] - ETA: 0s - loss: 0.5959 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.5959 - accuracy:
0.8930 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
0.8939 [=====>.....] - ETA: 0s - loss: 0.5963 - accuracy:
439/750 [=====>.....] - ETA: 0s - loss: 0.5963 - accuracy:
0.8935 [=====>.....] - ETA: 0s - loss: 0.5956 - accuracy:
511/750 [=====>.....] - ETA: 0s - loss: 0.5956 - accuracy:
0.8934 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy:
583/750 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy:
0.8926 [=====>.....] - ETA: 0s - loss: 0.5952 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5952 - accuracy:
0.8931 [=====>....] - ETA: 0s - loss: 0.5945 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.5945 - accuracy:
0.8928 [=====>.] - ETA: 0s - loss: 0.5938 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.5938 - accuracy:
0.8929 - val_loss: 0.6473 - val_accuracy: 0.8752
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.5493 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5849 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5849 - accuracy:
0.8991 [=>.....] - ETA: 0s - loss: 0.5968 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5968 - accuracy:
0.8943 [====>.....] - ETA: 0s - loss: 0.5994 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.5994 - accuracy:

0.8925 [=====>.....] - ETA: 0s - loss: 0.5969 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.5969 - accuracy:
0.8921 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy:
0.8927 [=====>.....] - ETA: 0s - loss: 0.5963 - accuracy:
433/750 [=====>.....] - ETA: 0s - loss: 0.5963 - accuracy:
0.8920 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy:
0.8922 [=====>.....] - ETA: 0s - loss: 0.5946 - accuracy:
575/750 [=====>.....] - ETA: 0s - loss: 0.5946 - accuracy:
0.8921 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy:
0.8922 [=====>.....] - ETA: 0s - loss: 0.5935 - accuracy:
720/750 [=====>..] - ETA: 0s - loss: 0.5935 - accuracy:
0.8918 [=====>..] - ETA: 0s - loss: 0.5929 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.5929 - accuracy:
0.8922 - val_loss: 0.6480 - val_accuracy: 0.8731
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.4818 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5957 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5957 - accuracy:
0.8936 [====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
0.8957 [====>.....] - ETA: 0s - loss: 0.5857 - accuracy:
219/750 [====>.....] - ETA: 0s - loss: 0.5857 - accuracy:
0.8950 [====>.....] - ETA: 0s - loss: 0.5859 - accuracy:
291/750 [====>.....] - ETA: 0s - loss: 0.5859 - accuracy:
0.8954 [====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
364/750 [====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
0.8935 [====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
437/750 [====>.....] - ETA: 0s - loss: 0.5888 - accuracy:
0.8947 [====>.....] - ETA: 0s - loss: 0.5883 - accuracy:
510/750 [====>.....] - ETA: 0s - loss: 0.5883 - accuracy:
0.8943 [====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
582/750 [====>.....] - ETA: 0s - loss: 0.5898 - accuracy:
0.8940 [====>.....] - ETA: 0s - loss: 0.5904 - accuracy:
655/750 [====>....] - ETA: 0s - loss: 0.5904 - accuracy:
0.8938 [====>....] - ETA: 0s - loss: 0.5908 - accuracy:
726/750 [====>.] - ETA: 0s - loss: 0.5908 - accuracy:
0.8933 [====>.] - ETA: 0s - loss: 0.5916 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.5916 - accuracy:
0.8930 - val_loss: 0.6483 - val_accuracy: 0.8713
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.5690 - accuracy:
0.8906 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy:
75/750 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy:
0.9004 [====>.....] - ETA: 0s - loss: 0.5794 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5794 - accuracy:

0.8984 [=====>.....] - ETA: 0s - loss: 0.5773 - accuracy:
218/750 [=====>.....] - ETA: 0s - loss: 0.5773 - accuracy:
0.8971 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy:
292/750 [=====>.....] - ETA: 0s - loss: 0.5863 - accuracy:
0.8946 [=====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.5901 - accuracy:
0.8929 [=====>.....] - ETA: 0s - loss: 0.5891 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.5891 - accuracy:
0.8932 [=====>.....] - ETA: 0s - loss: 0.5875 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.5875 - accuracy:
0.8944 [=====>.....] - ETA: 0s - loss: 0.5878 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.5878 - accuracy:
0.8944 [=====>.....] - ETA: 0s - loss: 0.5878 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.5878 - accuracy:
0.8943 [=====>....] - ETA: 0s - loss: 0.5909 - accuracy:
728/750 [=====>.] - ETA: 0s - loss: 0.5909 - accuracy:
0.8933 [=====>.] - ETA: 0s - loss: 0.5906 - accuracy:
750/750 [=====] - 1s 842us/step - loss: 0.5906 - accuracy:
0.8936 - val_loss: 0.6454 - val_accuracy: 0.8742
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.5134 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5859 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.5859 - accuracy:
0.8961 [=>.....] - ETA: 0s - loss: 0.5836 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5836 - accuracy:
0.8986 [====>.....] - ETA: 0s - loss: 0.5815 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.5815 - accuracy:
0.8992 [=====>.....] - ETA: 0s - loss: 0.5845 - accuracy:
287/750 [=====>.....] - ETA: 0s - loss: 0.5845 - accuracy:
0.8978 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy:
0.8968 [=====>.....] - ETA: 0s - loss: 0.5903 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.5903 - accuracy:
0.8956 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy:
505/750 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy:
0.8956 [=====>.....] - ETA: 0s - loss: 0.5908 - accuracy:
578/750 [=====>.....] - ETA: 0s - loss: 0.5908 - accuracy:
0.8951 [=====>.....] - ETA: 0s - loss: 0.5907 - accuracy:
648/750 [=====>.....] - ETA: 0s - loss: 0.5907 - accuracy:
0.8940 [=====>.....] - ETA: 0s - loss: 0.5891 - accuracy:
722/750 [=====>..] - ETA: 0s - loss: 0.5891 - accuracy:
0.8942 [=====>..] - ETA: 0s - loss: 0.5887 - accuracy:
750/750 [=====] - 1s 846us/step - loss: 0.5887 - accuracy:
0.8943 - val_loss: 0.6429 - val_accuracy: 0.8773
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.5846 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5802 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5802 - accuracy:

0.8961 [.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.8944
148/750 [====>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.8953
221/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8955
293/750 [=====>.....] - ETA: 0s - loss: 0.5886 - accuracy: 0.8951
364/750 [=====>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8945
438/750 [=====>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.8949
511/750 [=====>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.8953
581/750 [=====>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8947
655/750 [=====>....] - ETA: 0s - loss: 0.5890 - accuracy: 0.8947
725/750 [=====>.] - ETA: 0s - loss: 0.5884 - accuracy: 0.8950
750/750 [=====] - 1s 849us/step - loss: 0.6443 - val_loss: 0.6443 - val_accuracy: 0.8741
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.8930
143/750 [====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8958
214/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy: 0.8962
287/750 [=====>.....] - ETA: 0s - loss: 0.5831 - accuracy: 0.8959
359/750 [=====>.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.8948
433/750 [=====>.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.8924
506/750 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.8932
579/750 [=====>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.8936
651/750 [=====>....] - ETA: 0s - loss: 0.5871 - accuracy: 0.8942
723/750 [=====>..] - ETA: 0s - loss: 0.5863 - accuracy: 0.8944
750/750 [=====] - 1s 849us/step - loss: 0.5867 - accuracy: 0.8943
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.5488 - accuracy:

0.8750 [.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.9015
73/750 [=>.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.9015
146/750 [====>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.8975
219/750 [=====>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.8990
291/750 [======>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8982
363/750 [======>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8966
434/750 [======>.....] - ETA: 0s - loss: 0.5876 - accuracy: 0.8956
505/750 [======>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.8946
578/750 [======>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.8945
649/750 [======>.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.8947
723/750 [======>..] - ETA: 0s - loss: 0.5854 - accuracy: 0.8951
750/750 [=====] - 1s 846us/step - loss: 0.5854 - accuracy: 0.8950 - val_loss: 0.6401 - val_accuracy: 0.8754
Epoch 164/220

1/750 [.....] - ETA: 0s - loss: 0.7560 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.8934
146/750 [====>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.8952
220/750 [=====>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.8964
294/750 [======>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.8965
366/750 [======>.....] - ETA: 0s - loss: 0.5835 - accuracy: 0.8948
437/750 [======>.....] - ETA: 0s - loss: 0.5817 - accuracy: 0.8957
509/750 [======>.....] - ETA: 0s - loss: 0.5822 - accuracy: 0.8954
581/750 [======>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.8955
650/750 [======>....] - ETA: 0s - loss: 0.5832 - accuracy: 0.8950
721/750 [======>..] - ETA: 0s - loss: 0.5834 - accuracy: 0.8952
750/750 [=====] - 1s 849us/step - loss: 0.5845 - accuracy: 0.8948 - val_loss: 0.6444 - val_accuracy: 0.8723
Epoch 165/220

1/750 [.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.8944
146/750 [====>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.8949
217/750 [=====>.....] - ETA: 0s - loss: 0.5855 - accuracy: 0.8949
288/750 [======>.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.8953
359/750 [======>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.8949
433/750 [======>.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.8950
505/750 [======>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.8948
578/750 [======>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.8952
653/750 [======>....] - ETA: 0s - loss: 0.5841 - accuracy: 0.8948
726/750 [======>.] - ETA: 0s - loss: 0.5838 - accuracy: 0.8949
750/750 [=====] - 1s 845us/step - loss: 0.5838 - accuracy: 0.8950 - val_loss: 0.6388 - val_accuracy: 0.8758
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.8926
146/750 [====>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.8942
219/750 [=====>.....] - ETA: 0s - loss: 0.5868 - accuracy: 0.8941
293/750 [======>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8932
366/750 [======>.....] - ETA: 0s - loss: 0.5828 - accuracy: 0.8959
439/750 [======>.....] - ETA: 0s - loss: 0.5816 - accuracy: 0.8961
512/750 [======>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.8954
584/750 [======>.....] - ETA: 0s - loss: 0.5850 - accuracy: 0.8942
655/750 [======>....] - ETA: 0s - loss: 0.5847 - accuracy: 0.8942
729/750 [======>.] - ETA: 0s - loss: 0.5831 - accuracy: 0.8950
750/750 [=====] - 1s 845us/step - loss: 0.5828 - accuracy:

0.8950 - val_loss: 0.6356 - val_accuracy: 0.8778
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.6795 - accuracy:
0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.5672 - accuracy:
0.9022
146/750 [====>.....] - ETA: 0s - loss: 0.5734 - accuracy:
0.9004
219/750 [=====>.....] - ETA: 0s - loss: 0.5772 - accuracy:
0.8988
292/750 [======>.....] - ETA: 0s - loss: 0.5812 - accuracy:
0.8960
364/750 [======>.....] - ETA: 0s - loss: 0.5835 - accuracy:
0.8946
437/750 [======>.....] - ETA: 0s - loss: 0.5817 - accuracy:
0.8949
509/750 [======>.....] - ETA: 0s - loss: 0.5789 - accuracy:
0.8959
583/750 [======>.....] - ETA: 0s - loss: 0.5795 - accuracy:
0.8962
652/750 [======>....] - ETA: 0s - loss: 0.5795 - accuracy:
0.8964
720/750 [======>..] - ETA: 0s - loss: 0.5801 - accuracy:
0.8959
750/750 [=====] - 1s 853us/step - loss: 0.5809 - accuracy:
0.8957 - val_loss: 0.6410 - val_accuracy: 0.8751
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.6303 - accuracy:
0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.5701 - accuracy:
0.9019
144/750 [====>.....] - ETA: 0s - loss: 0.5797 - accuracy:
0.8976
217/750 [=====>.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.8974
288/750 [======>.....] - ETA: 0s - loss: 0.5778 - accuracy:
0.8970
359/750 [======>.....] - ETA: 0s - loss: 0.5807 - accuracy:
0.8968
432/750 [======>.....] - ETA: 0s - loss: 0.5812 - accuracy:
0.8959
505/750 [======>.....] - ETA: 0s - loss: 0.5805 - accuracy:
0.8959
578/750 [======>.....] - ETA: 0s - loss: 0.5797 - accuracy:
0.8964
652/750 [======>....] - ETA: 0s - loss: 0.5786 - accuracy:
0.8967
724/750 [======>..] - ETA: 0s - loss: 0.5798 - accuracy:

0.8969
750/750 [=====] - 1s 845us/step - loss: 0.5803 - accuracy:
0.8964 - val_loss: 0.6361 - val_accuracy: 0.8752
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.5961 - accuracy:
0.8750
75/750 [==>.....] - ETA: 0s - loss: 0.5934 - accuracy:
0.8927
148/750 [===>.....] - ETA: 0s - loss: 0.5909 - accuracy:
0.8934
217/750 [=====>.....] - ETA: 0s - loss: 0.5827 - accuracy:
0.8950
283/750 [=====>.....] - ETA: 0s - loss: 0.5820 - accuracy:
0.8956
352/750 [=====>.....] - ETA: 0s - loss: 0.5804 - accuracy:
0.8954
424/750 [=====>.....] - ETA: 0s - loss: 0.5791 - accuracy:
0.8955
497/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy:
0.8949
568/750 [=====>.....] - ETA: 0s - loss: 0.5791 - accuracy:
0.8953
639/750 [=====>.....] - ETA: 0s - loss: 0.5772 - accuracy:
0.8960
713/750 [=====>..] - ETA: 0s - loss: 0.5788 - accuracy:
0.8960
750/750 [=====] - 1s 854us/step - loss: 0.5790 - accuracy:
0.8961 - val_loss: 0.6354 - val_accuracy: 0.8761
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.6960 - accuracy:
0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.5719 - accuracy:
0.8954
145/750 [===>.....] - ETA: 0s - loss: 0.5688 - accuracy:
0.8983
218/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
0.8992
289/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy:
0.9001
362/750 [=====>.....] - ETA: 0s - loss: 0.5748 - accuracy:
0.8983
435/750 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy:
0.8994
508/750 [=====>.....] - ETA: 0s - loss: 0.5751 - accuracy:
0.8982
580/750 [=====>.....] - ETA: 0s - loss: 0.5766 - accuracy:
0.8975
653/750 [=====>....] - ETA: 0s - loss: 0.5774 - accuracy:

0.8967 [=====] - ETA: 0s - loss: 0.5781 - accuracy:
725/750 [=====>.] - ETA: 0s - loss: 0.5781 - accuracy:
0.8964 [=====] - ETA: 0s - loss: 0.5781 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.5786 - accuracy:
0.8964 - val_loss: 0.6339 - val_accuracy: 0.8752
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.5340 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5340 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5600 - accuracy:
0.9060 [=>.....] - ETA: 0s - loss: 0.5600 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.5711 - accuracy:
0.8996 [====>.....] - ETA: 0s - loss: 0.5711 - accuracy:
215/750 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
0.8982 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy:
289/750 [======>.....] - ETA: 0s - loss: 0.5789 - accuracy:
0.8970 [======>.....] - ETA: 0s - loss: 0.5789 - accuracy:
359/750 [======>.....] - ETA: 0s - loss: 0.5781 - accuracy:
0.8966 [======>.....] - ETA: 0s - loss: 0.5781 - accuracy:
430/750 [======>.....] - ETA: 0s - loss: 0.5794 - accuracy:
0.8968 [======>.....] - ETA: 0s - loss: 0.5794 - accuracy:
502/750 [======>.....] - ETA: 0s - loss: 0.5764 - accuracy:
0.8977 [======>.....] - ETA: 0s - loss: 0.5764 - accuracy:
574/750 [======>.....] - ETA: 0s - loss: 0.5768 - accuracy:
0.8974 [======>.....] - ETA: 0s - loss: 0.5768 - accuracy:
647/750 [======>.....] - ETA: 0s - loss: 0.5773 - accuracy:
0.8972 [======>.....] - ETA: 0s - loss: 0.5773 - accuracy:
719/750 [======>..] - ETA: 0s - loss: 0.5771 - accuracy:
0.8973 [======>..] - ETA: 0s - loss: 0.5771 - accuracy:
750/750 [=====] - 1s 848us/step - loss: 0.5770 - accuracy:
0.8972 - val_loss: 0.6326 - val_accuracy: 0.8752
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.5105 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5105 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.5723 - accuracy:
0.8979 [=>.....] - ETA: 0s - loss: 0.5723 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8938 [====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy:
0.8944 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy:
290/750 [======>.....] - ETA: 0s - loss: 0.5765 - accuracy:
0.8962 [======>.....] - ETA: 0s - loss: 0.5765 - accuracy:
359/750 [======>.....] - ETA: 0s - loss: 0.5757 - accuracy:
0.8962 [======>.....] - ETA: 0s - loss: 0.5757 - accuracy:
431/750 [======>.....] - ETA: 0s - loss: 0.5743 - accuracy:
0.8970 [======>.....] - ETA: 0s - loss: 0.5743 - accuracy:
500/750 [======>.....] - ETA: 0s - loss: 0.5755 - accuracy:
0.8967 [======>.....] - ETA: 0s - loss: 0.5755 - accuracy:
573/750 [======>.....] - ETA: 0s - loss: 0.5764 - accuracy:

0.8965 [=====>.....] - ETA: 0s - loss: 0.5764 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8962 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
718/750 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
0.8965 [=====>.....] - ETA: 0s - loss: 0.5762 - accuracy:
750/750 [=====] - 1s 849us/step - loss: 0.5762 - accuracy:
0.8964 - val_loss: 0.6342 - val_accuracy: 0.8774
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.4762 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5759 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5772 - accuracy:
0.9013 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy:
0.8969 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy:
217/750 [=====>.....] - ETA: 0s - loss: 0.5732 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.5744 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.5726 - accuracy:
0.8985 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy:
0.8990 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
510/750 [=====>.....] - ETA: 0s - loss: 0.5734 - accuracy:
584/750 [=====>.....] - ETA: 0s - loss: 0.5744 - accuracy:
0.8989 [=====>.....] - ETA: 0s - loss: 0.5744 - accuracy:
657/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
730/750 [=====>.....] - 1s 845us/step - loss: 0.5746 - accuracy:
0.8985 - val_loss: 0.6416 - val_accuracy: 0.8732
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.5671 - accuracy:
0.8281 [=>.....] - ETA: 0s - loss: 0.5717 - accuracy:
66/750 [=>.....] - ETA: 0s - loss: 0.5683 - accuracy:
0.8989 [=====>.....] - ETA: 0s - loss: 0.5720 - accuracy:
137/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
0.8962 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
204/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy:
0.8981 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
276/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
349/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
0.8970 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
422/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
0.8970 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:
493/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy:

0.8966 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
639/750 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
711/750 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.5731 - accuracy:
750/750 [=====] - 1s 857us/step - loss: 0.5738 - accuracy:
0.8969 - val_loss: 0.6310 - val_accuracy: 0.8764
Epoch 175/220

1/750 [=====>.....] - ETA: 0s - loss: 0.4617 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy:
72/750 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy:
0.9006 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
145/750 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
291/750 [=====>.....] - ETA: 0s - loss: 0.5729 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.5700 - accuracy:
362/750 [=====>.....] - ETA: 0s - loss: 0.5700 - accuracy:
0.8981 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
437/750 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
0.8969 [=====>.....] - ETA: 0s - loss: 0.5757 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.5757 - accuracy:
0.8963 [=====>.....] - ETA: 0s - loss: 0.5734 - accuracy:
576/750 [=====>.....] - ETA: 0s - loss: 0.5734 - accuracy:
0.8974 [=====>.....] - ETA: 0s - loss: 0.5735 - accuracy:
649/750 [=====>.....] - ETA: 0s - loss: 0.5735 - accuracy:
0.8973 [=====>.....] - ETA: 0s - loss: 0.5717 - accuracy:
720/750 [=====>.....] - ETA: 0s - loss: 0.5717 - accuracy:
0.8977 [=====>.....] - ETA: 0s - loss: 0.5725 - accuracy:
750/750 [=====] - 1s 850us/step - loss: 0.5725 - accuracy:
0.8976 - val_loss: 0.6301 - val_accuracy: 0.8767
Epoch 176/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5671 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.5723 - accuracy:
72/750 [=====>.....] - ETA: 0s - loss: 0.5723 - accuracy:
0.9008 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy:
144/750 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy:
0.9004 [=====>.....] - ETA: 0s - loss: 0.5695 - accuracy:
287/750 [=====>.....] - ETA: 0s - loss: 0.5695 - accuracy:
0.8995 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy:
356/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy:
0.9012 [=====>.....] - ETA: 0s - loss: 0.5661 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.5661 - accuracy:

0.9003 [=====>.....] - ETA: 0s - loss: 0.5673 - accuracy: 0.8998
572/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8990
646/750 [=====>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.8988
718/750 [=====>..] - ETA: 0s - loss: 0.5701 - accuracy: 0.8991
750/750 [=====] - 1s 853us/step - loss: 0.5705 - accuracy: 0.8987 - val_loss: 0.6417 - val_accuracy: 0.8712
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.4683 - accuracy: 0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.9047
143/750 [===>.....] - ETA: 0s - loss: 0.5720 - accuracy: 0.9002
212/750 [=====>.....] - ETA: 0s - loss: 0.5738 - accuracy: 0.8987
283/750 [=====>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.8976
353/750 [=====>.....] - ETA: 0s - loss: 0.5703 - accuracy: 0.8985
424/750 [=====>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.8984
494/750 [=====>.....] - ETA: 0s - loss: 0.5722 - accuracy: 0.8978
565/750 [=====>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.8979
636/750 [=====>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.8980
707/750 [=====>..] - ETA: 0s - loss: 0.5717 - accuracy: 0.8977
750/750 [=====] - 1s 861us/step - loss: 0.5706 - accuracy: 0.8979 - val_loss: 0.6344 - val_accuracy: 0.8768
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.4467 - accuracy: 0.9531
70/750 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.9018
142/750 [===>.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.9007
215/750 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy: 0.8995
286/750 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy: 0.8996
357/750 [=====>.....] - ETA: 0s - loss: 0.5683 - accuracy:

0.8983 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
430/750 [=====>.....] - ETA: 0s - loss: 0.5699 - accuracy:
0.8981 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
502/750 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8994 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
0.8989 [=====>.....] - ETA: 0s - loss: 0.5668 - accuracy:
643/750 [=====>.....] - ETA: 0s - loss: 0.5668 - accuracy:
0.8995 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy:
715/750 [=====>..] - ETA: 0s - loss: 0.5680 - accuracy:
0.8987 [=====>..] - ETA: 0s - loss: 0.5689 - accuracy:
750/750 [=====] - 1s 854us/step - loss: 0.5689 - accuracy:
0.8982 - val_loss: 0.6328 - val_accuracy: 0.8765
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.6303 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5679 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.5679 - accuracy:
0.8969 [=>.....] - ETA: 0s - loss: 0.5662 - accuracy:
141/750 [====>.....] - ETA: 0s - loss: 0.5662 - accuracy:
0.8997 [====>.....] - ETA: 0s - loss: 0.5630 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.5630 - accuracy:
0.9010 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy:
0.9017 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy:
0.9012 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
425/750 [=====>.....] - ETA: 0s - loss: 0.5640 - accuracy:
0.9002 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
494/750 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
0.9002 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy:
565/750 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
637/750 [=====>.....] - ETA: 0s - loss: 0.5675 - accuracy:
0.8994 [=====>.....] - ETA: 0s - loss: 0.5677 - accuracy:
707/750 [=====>..] - ETA: 0s - loss: 0.5677 - accuracy:
0.8992 [=====>..] - ETA: 0s - loss: 0.5689 - accuracy:
750/750 [=====] - 1s 861us/step - loss: 0.5689 - accuracy:
0.8986 - val_loss: 0.6283 - val_accuracy: 0.8770
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.5800 - accuracy:
0.9062 [.....] - ETA: 0s - loss: 0.5694 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5694 - accuracy:
0.9008 [=>.....] - ETA: 0s - loss: 0.5672 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5672 - accuracy:
0.9005 [====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.5678 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy:

0.9003 [=====>.....] - ETA: 0s - loss: 0.5676 - accuracy: 0.8989
427/750 [=====>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.8982
498/750 [=====>.....] - ETA: 0s - loss: 0.5649 - accuracy: 0.8994
568/750 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.8984
640/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.8986
712/750 [=====>..] - ETA: 0s - loss: 0.5665 - accuracy: 0.8994
750/750 [=====] - 1s 860us/step - loss: 0.5675 - accuracy: 0.8990 - val_loss: 0.6304 - val_accuracy: 0.8748
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.6095 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.8958
144/750 [====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.9005
213/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.9008
286/750 [=====>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.9002
359/750 [=====>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.9009
430/750 [=====>.....] - ETA: 0s - loss: 0.5657 - accuracy: 0.8999
500/750 [=====>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.8994
572/750 [=====>.....] - ETA: 0s - loss: 0.5686 - accuracy: 0.8989
645/750 [=====>.....] - ETA: 0s - loss: 0.5677 - accuracy: 0.8987
715/750 [=====>..] - ETA: 0s - loss: 0.5661 - accuracy: 0.8993
750/750 [=====] - 1s 857us/step - loss: 0.5666 - accuracy: 0.8990 - val_loss: 0.6320 - val_accuracy: 0.8751
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.5655 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.9009
144/750 [====>.....] - ETA: 0s - loss: 0.5601 - accuracy: 0.9004
218/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy:

0.8985 [=====>.....] - ETA: 0s - loss: 0.5666 - accuracy:
289/750 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy:
0.8980 [=====>.....] - ETA: 0s - loss: 0.5701 - accuracy:
361/750 [=====>.....] - ETA: 0s - loss: 0.5696 - accuracy:
0.8966 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy:
432/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8966 [=====>.....] - ETA: 0s - loss: 0.5647 - accuracy:
503/750 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
0.8965 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
575/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8979 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
647/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8988 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
718/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8994 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
750/750 [=====] - 1s 853us/step - loss: 0.5652 - accuracy:
0.8994 - val_loss: 0.6284 - val_accuracy: 0.8770
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.4711 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5571 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5591 - accuracy:
0.9023 [====>.....] - ETA: 0s - loss: 0.5647 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.5637 - accuracy:
0.9018 [====>.....] - ETA: 0s - loss: 0.5625 - accuracy:
214/750 [====>.....] - ETA: 0s - loss: 0.5613 - accuracy:
0.8997 [====>.....] - ETA: 0s - loss: 0.5626 - accuracy:
285/750 [====>.....] - ETA: 0s - loss: 0.5623 - accuracy:
0.8996 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
356/750 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8999 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
429/750 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.9004 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
498/750 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8991 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
569/750 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8996 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
642/750 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8990 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
714/750 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
0.8987 [====>.....] - ETA: 0s - loss: 0.5644 - accuracy:
750/750 [=====] - 1s 856us/step - loss: 0.5644 - accuracy:
0.8988 - val_loss: 0.6331 - val_accuracy: 0.8740
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.4115 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.5642 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.5556 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5556 - accuracy:

0.9045 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.5539 - accuracy:
0.9051 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy:
287/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy:
0.9020 [=====>.....] - ETA: 0s - loss: 0.5642 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5642 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.5672 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.5672 - accuracy:
0.8987 [=====>.....] - ETA: 0s - loss: 0.5679 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.5679 - accuracy:
0.8985 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy:
0.8989 [=====>.....] - ETA: 0s - loss: 0.5650 - accuracy:
645/750 [=====>.....] - ETA: 0s - loss: 0.5650 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.5636 - accuracy:
718/750 [=====>..] - ETA: 0s - loss: 0.5636 - accuracy:
0.9004 [=====>..] - ETA: 0s - loss: 0.5631 - accuracy:
750/750 [=====] - 1s 860us/step - loss: 0.5631 - accuracy:
0.9006 - val_loss: 0.6249 - val_accuracy: 0.8791
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.5014 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5503 - accuracy:
69/750 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy:
0.9026 [=>.....] - ETA: 0s - loss: 0.5583 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.9011 [====>.....] - ETA: 0s - loss: 0.5618 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.5618 - accuracy:
0.9013 [=====>.....] - ETA: 0s - loss: 0.5625 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.5625 - accuracy:
0.9007 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
357/750 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.5650 - accuracy:
428/750 [=====>.....] - ETA: 0s - loss: 0.5650 - accuracy:
0.9001 [=====>.....] - ETA: 0s - loss: 0.5656 - accuracy:
499/750 [=====>.....] - ETA: 0s - loss: 0.5656 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
571/750 [=====>.....] - ETA: 0s - loss: 0.5645 - accuracy:
0.8990 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
643/750 [=====>.....] - ETA: 0s - loss: 0.5652 - accuracy:
0.8978 [=====>.....] - ETA: 0s - loss: 0.5626 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.5626 - accuracy:
0.8989 [=====>..] - ETA: 0s - loss: 0.5622 - accuracy:
750/750 [=====] - 1s 856us/step - loss: 0.5622 - accuracy:
0.8992 - val_loss: 0.6285 - val_accuracy: 0.8752
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.5519 - accuracy:
0.8594 [.....] - ETA: 0s - loss: 0.5654 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5654 - accuracy:

0.8970 [=====>.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.9016
220/750 [=====>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.9019
294/750 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.9002
366/750 [=====>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.9004
440/750 [=====>.....] - ETA: 0s - loss: 0.5585 - accuracy: 0.9000
511/750 [=====>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.9000
583/750 [=====>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.8990
657/750 [=====>....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8994
730/750 [=====>.] - ETA: 0s - loss: 0.5604 - accuracy: 0.8995
750/750 [=====] - 1s 841us/step - loss: 0.5612 - accuracy: 0.8995 - val_loss: 0.6234 - val_accuracy: 0.8771
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.7078 - accuracy: 0.8906
71/750 [=>.....] - ETA: 0s - loss: 0.5665 - accuracy: 0.8955
145/750 [====>.....] - ETA: 0s - loss: 0.5569 - accuracy: 0.8992
215/750 [=====>.....] - ETA: 0s - loss: 0.5581 - accuracy: 0.8988
287/750 [=====>.....] - ETA: 0s - loss: 0.5556 - accuracy: 0.9014
357/750 [=====>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.9014
430/750 [=====>.....] - ETA: 0s - loss: 0.5601 - accuracy: 0.9011
505/750 [=====>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.9017
577/750 [=====>.....] - ETA: 0s - loss: 0.5584 - accuracy: 0.9012
649/750 [=====>....] - ETA: 0s - loss: 0.5585 - accuracy: 0.9011
724/750 [=====>..] - ETA: 0s - loss: 0.5592 - accuracy: 0.9009
750/750 [=====] - 1s 845us/step - loss: 0.5607 - accuracy: 0.9003 - val_loss: 0.6345 - val_accuracy: 0.8730
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.6296 - accuracy:

0.8906 [.....] - ETA: 0s - loss: 0.5739 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5739 - accuracy:
0.8947 [.....] - ETA: 0s - loss: 0.5649 - accuracy:
145/750 [====>.....] - ETA: 0s - loss: 0.5649 - accuracy:
0.8980 [.....] - ETA: 0s - loss: 0.5621 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.5621 - accuracy:
0.8989 [.....] - ETA: 0s - loss: 0.5601 - accuracy:
290/750 [=====>.....] - ETA: 0s - loss: 0.5601 - accuracy:
0.8993 [.....] - ETA: 0s - loss: 0.5616 - accuracy:
363/750 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy:
0.8992 [.....] - ETA: 0s - loss: 0.5617 - accuracy:
434/750 [=====>.....] - ETA: 0s - loss: 0.5617 - accuracy:
0.8985 [.....] - ETA: 0s - loss: 0.5608 - accuracy:
507/750 [=====>.....] - ETA: 0s - loss: 0.5608 - accuracy:
0.8994 [.....] - ETA: 0s - loss: 0.5606 - accuracy:
579/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy:
0.8992 [.....] - ETA: 0s - loss: 0.5602 - accuracy:
652/750 [=====>....] - ETA: 0s - loss: 0.5602 - accuracy:
0.9000 [.....] - ETA: 0s - loss: 0.5589 - accuracy:
726/750 [=====>.] - ETA: 0s - loss: 0.5589 - accuracy:
0.9006 [.....] - 1s 848us/step - loss: 0.5595 - accuracy:
750/750 [=====>] - 1s 848us/step - loss: 0.5595 - accuracy:
0.9001 - val_loss: 0.6261 - val_accuracy: 0.8785
Epoch 189/220

1/750 [.....] - ETA: 0s - loss: 0.7681 - accuracy:
0.8750 [.....] - ETA: 0s - loss: 0.5598 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5598 - accuracy:
0.9039 [.....] - ETA: 0s - loss: 0.5519 - accuracy:
146/750 [====>.....] - ETA: 0s - loss: 0.5519 - accuracy:
0.9058 [.....] - ETA: 0s - loss: 0.5532 - accuracy:
219/750 [=====>.....] - ETA: 0s - loss: 0.5532 - accuracy:
0.9054 [.....] - ETA: 0s - loss: 0.5571 - accuracy:
294/750 [=====>.....] - ETA: 0s - loss: 0.5571 - accuracy:
0.9024 [.....] - ETA: 0s - loss: 0.5563 - accuracy:
367/750 [=====>.....] - ETA: 0s - loss: 0.5563 - accuracy:
0.9028 [.....] - ETA: 0s - loss: 0.5555 - accuracy:
441/750 [=====>.....] - ETA: 0s - loss: 0.5555 - accuracy:
0.9024 [.....] - ETA: 0s - loss: 0.5571 - accuracy:
513/750 [=====>.....] - ETA: 0s - loss: 0.5571 - accuracy:
0.9015 [.....] - ETA: 0s - loss: 0.5563 - accuracy:
586/750 [=====>.....] - ETA: 0s - loss: 0.5563 - accuracy:
0.9011 [.....] - ETA: 0s - loss: 0.5561 - accuracy:
658/750 [=====>....] - ETA: 0s - loss: 0.5561 - accuracy:
0.9011 [.....] - ETA: 0s - loss: 0.5583 - accuracy:
731/750 [=====>.] - ETA: 0s - loss: 0.5583 - accuracy:
0.9003 [.....] - 1s 841us/step - loss: 0.5586 - accuracy:
750/750 [=====>] - 1s 841us/step - loss: 0.5586 - accuracy:
0.9003 - val_loss: 0.6227 - val_accuracy: 0.8772
Epoch 190/220

1/750 [.....] - ETA: 0s - loss: 0.4705 - accuracy: 0.9531
73/750 [= >.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.9030
146/750 [====>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.9007
218/750 [===== >.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.9008
292/750 [===== >.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.9012
364/750 [===== >.....] - ETA: 0s - loss: 0.5532 - accuracy: 0.9014
433/750 [===== >.....] - ETA: 0s - loss: 0.5553 - accuracy: 0.9000
507/750 [===== >.....] - ETA: 0s - loss: 0.5552 - accuracy: 0.8996
579/750 [===== >.....] - ETA: 0s - loss: 0.5555 - accuracy: 0.8999
653/750 [===== >....] - ETA: 0s - loss: 0.5559 - accuracy: 0.9000
726/750 [===== >.] - ETA: 0s - loss: 0.5572 - accuracy: 0.9000
750/750 [=====] - 1s 841us/step - loss: 0.5575 - accuracy: 0.9000 - val_loss: 0.6230 - val_accuracy: 0.8766
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.8438
75/750 [= >.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.9067
147/750 [====>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8994
221/750 [===== >.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.8967
293/750 [===== >.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.8962
366/750 [===== >.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.8984
440/750 [===== >.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8990
513/750 [===== >.....] - ETA: 0s - loss: 0.5589 - accuracy: 0.8994
586/750 [===== >.....] - ETA: 0s - loss: 0.5592 - accuracy: 0.8993
657/750 [===== >....] - ETA: 0s - loss: 0.5576 - accuracy: 0.9001
729/750 [===== >.] - ETA: 0s - loss: 0.5569 - accuracy: 0.9005
750/750 [=====] - 1s 842us/step - loss: 0.5565 - accuracy:

0.9007 - val_loss: 0.6191 - val_accuracy: 0.8790
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.5542 - accuracy: 0.9013
145/750 [====>.....] - ETA: 0s - loss: 0.5518 - accuracy: 0.9025
219/750 [=====>.....] - ETA: 0s - loss: 0.5557 - accuracy: 0.9005
293/750 [======>.....] - ETA: 0s - loss: 0.5541 - accuracy: 0.9016
366/750 [======>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.9025
437/750 [======>.....] - ETA: 0s - loss: 0.5498 - accuracy: 0.9035
511/750 [======>.....] - ETA: 0s - loss: 0.5508 - accuracy: 0.9032
585/750 [======>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.9019
658/750 [======>....] - ETA: 0s - loss: 0.5534 - accuracy: 0.9018
730/750 [======>.] - ETA: 0s - loss: 0.5550 - accuracy: 0.9018
750/750 [=====] - 1s 842us/step - loss: 0.5549 - accuracy: 0.9018 - val_loss: 0.6205 - val_accuracy: 0.8789
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.4615 - accuracy: 0.9531
71/750 [=>.....] - ETA: 0s - loss: 0.5517 - accuracy: 0.9021
145/750 [====>.....] - ETA: 0s - loss: 0.5584 - accuracy: 0.9003
216/750 [=====>.....] - ETA: 0s - loss: 0.5516 - accuracy: 0.9034
289/750 [======>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.9021
363/750 [======>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.9028
435/750 [======>.....] - ETA: 0s - loss: 0.5497 - accuracy: 0.9031
505/750 [======>.....] - ETA: 0s - loss: 0.5505 - accuracy: 0.9031
575/750 [======>.....] - ETA: 0s - loss: 0.5493 - accuracy: 0.9034
646/750 [======>....] - ETA: 0s - loss: 0.5526 - accuracy: 0.9023
717/750 [======>..] - ETA: 0s - loss: 0.5545 - accuracy:

0.9017
750/750 [=====] - 1s 850us/step - loss: 0.5542 - accuracy:
0.9018 - val_loss: 0.6248 - val_accuracy: 0.8760
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.5220 - accuracy:
0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.5531 - accuracy:
0.9041
146/750 [====>.....] - ETA: 0s - loss: 0.5612 - accuracy:
0.8999
220/750 [=====>.....] - ETA: 0s - loss: 0.5632 - accuracy:
0.8987
292/750 [======>.....] - ETA: 0s - loss: 0.5610 - accuracy:
0.8993
365/750 [======>.....] - ETA: 0s - loss: 0.5599 - accuracy:
0.8995
438/750 [======>.....] - ETA: 0s - loss: 0.5583 - accuracy:
0.9002
508/750 [======>.....] - ETA: 0s - loss: 0.5578 - accuracy:
0.9006
581/750 [======>.....] - ETA: 0s - loss: 0.5575 - accuracy:
0.9005
655/750 [======>....] - ETA: 0s - loss: 0.5556 - accuracy:
0.9012
726/750 [======>.] - ETA: 0s - loss: 0.5548 - accuracy:
0.9014
750/750 [=====] - 1s 845us/step - loss: 0.5540 - accuracy:
0.9016 - val_loss: 0.6200 - val_accuracy: 0.8784
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.4885 - accuracy:
0.9375
73/750 [=>.....] - ETA: 0s - loss: 0.5442 - accuracy:
0.9048
144/750 [====>.....] - ETA: 0s - loss: 0.5419 - accuracy:
0.9064
213/750 [=====>.....] - ETA: 0s - loss: 0.5470 - accuracy:
0.9035
286/750 [======>.....] - ETA: 0s - loss: 0.5466 - accuracy:
0.9029
359/750 [======>.....] - ETA: 0s - loss: 0.5504 - accuracy:
0.9022
432/750 [======>.....] - ETA: 0s - loss: 0.5526 - accuracy:
0.9011
506/750 [======>.....] - ETA: 0s - loss: 0.5536 - accuracy:
0.9010
579/750 [======>.....] - ETA: 0s - loss: 0.5537 - accuracy:
0.9006
651/750 [======>....] - ETA: 0s - loss: 0.5549 - accuracy:

0.9001 [=====>..] - ETA: 0s - loss: 0.5526 - accuracy:
0.9011 [=====] - 1s 846us/step - loss: 0.5525 - accuracy:
0.9013 - val_loss: 0.6231 - val_accuracy: 0.8763
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.4817 - accuracy:
0.9375 [=>.....] - ETA: 0s - loss: 0.5585 - accuracy:
0.8957 [====>.....] - ETA: 0s - loss: 0.5501 - accuracy:
0.8997 [=====>.....] - ETA: 0s - loss: 0.5502 - accuracy:
0.8990 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy:
0.8993 [=====>.....] - ETA: 0s - loss: 0.5505 - accuracy:
0.9004 [=====>.....] - ETA: 0s - loss: 0.5514 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.5526 - accuracy:
0.9007 [=====>.....] - ETA: 0s - loss: 0.5538 - accuracy:
0.9008 [=====>....] - ETA: 0s - loss: 0.5529 - accuracy:
0.9014 [=====>..] - ETA: 0s - loss: 0.5521 - accuracy:
0.9015 [=====] - 1s 846us/step - loss: 0.5517 - accuracy:
0.9016 - val_loss: 0.6198 - val_accuracy: 0.8752
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.4886 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5510 - accuracy:
0.9013 [====>.....] - ETA: 0s - loss: 0.5504 - accuracy:
0.9031 [=====>.....] - ETA: 0s - loss: 0.5493 - accuracy:
0.9034 [=====>.....] - ETA: 0s - loss: 0.5503 - accuracy:
0.9020 [=====>.....] - ETA: 0s - loss: 0.5495 - accuracy:
0.9022 [=====>.....] - ETA: 0s - loss: 0.5511 - accuracy:
0.9012 [=====>.....] - ETA: 0s - loss: 0.5511 - accuracy:
0.9007 [=====>.....] - ETA: 0s - loss: 0.5530 - accuracy:

0.9003 [=====>....] - ETA: 0s - loss: 0.5535 - accuracy:
651/750 [=====>....] - ETA: 0s - loss: 0.5535 - accuracy:
0.9002 [=====>..] - ETA: 0s - loss: 0.5508 - accuracy:
723/750 [=====>..] - ETA: 0s - loss: 0.5508 - accuracy:
0.9012 [=====] - 1s 845us/step - loss: 0.5507 - accuracy:
750/750 [=====] - 1s 845us/step - loss: 0.5507 - accuracy:
0.9014 - val_loss: 0.6175 - val_accuracy: 0.8791
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.5376 - accuracy:
0.9219 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy:
0.8978 [====>.....] - ETA: 0s - loss: 0.5541 - accuracy:
149/750 [====>.....] - ETA: 0s - loss: 0.5541 - accuracy:
0.9037 [=====>.....] - ETA: 0s - loss: 0.5540 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5540 - accuracy:
0.9005 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.5515 - accuracy:
0.9013 [=====>.....] - ETA: 0s - loss: 0.5490 - accuracy:
365/750 [=====>.....] - ETA: 0s - loss: 0.5490 - accuracy:
0.9036 [=====>.....] - ETA: 0s - loss: 0.5469 - accuracy:
436/750 [=====>.....] - ETA: 0s - loss: 0.5469 - accuracy:
0.9040 [=====>.....] - ETA: 0s - loss: 0.5475 - accuracy:
509/750 [=====>.....] - ETA: 0s - loss: 0.5475 - accuracy:
0.9030 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
582/750 [=====>.....] - ETA: 0s - loss: 0.5489 - accuracy:
0.9021 [=====>....] - ETA: 0s - loss: 0.5495 - accuracy:
655/750 [=====>....] - ETA: 0s - loss: 0.5495 - accuracy:
0.9020 [=====>.] - ETA: 0s - loss: 0.5495 - accuracy:
729/750 [=====>.] - ETA: 0s - loss: 0.5495 - accuracy:
0.9021 [=====] - 1s 841us/step - loss: 0.5493 - accuracy:
750/750 [=====] - 1s 841us/step - loss: 0.5493 - accuracy:
0.9020 - val_loss: 0.6165 - val_accuracy: 0.8783
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.6440 - accuracy:
0.8594 [=>.....] - ETA: 0s - loss: 0.5445 - accuracy:
73/750 [=>.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.9088 [====>.....] - ETA: 0s - loss: 0.5484 - accuracy:
142/750 [====>.....] - ETA: 0s - loss: 0.5484 - accuracy:
0.9060 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy:
206/750 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy:
0.9042 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
272/750 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
0.9036 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
343/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy:
0.9042 [=====>.....] - ETA: 0s - loss: 0.5448 - accuracy:
414/750 [=====>.....] - ETA: 0s - loss: 0.5448 - accuracy:
0.9040 [=====>.....] - ETA: 0s - loss: 0.5442 - accuracy:
486/750 [=====>.....] - ETA: 0s - loss: 0.5442 - accuracy:

0.9044
557/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy:
0.9038
630/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy:
0.9030
701/750 [=====>..] - ETA: 0s - loss: 0.5477 - accuracy:
0.9028
750/750 [=====] - 1s 872us/step - loss: 0.5484 - accuracy:
0.9028 - val_loss: 0.6149 - val_accuracy: 0.8788
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.5152 - accuracy:
0.9375
75/750 [==>.....] - ETA: 0s - loss: 0.5314 - accuracy:
0.9140
147/750 [===>.....] - ETA: 0s - loss: 0.5405 - accuracy:
0.9076
221/750 [=====>.....] - ETA: 0s - loss: 0.5409 - accuracy:
0.9072
292/750 [=====>.....] - ETA: 0s - loss: 0.5415 - accuracy:
0.9068
364/750 [=====>.....] - ETA: 0s - loss: 0.5442 - accuracy:
0.9065
438/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy:
0.9052
510/750 [=====>.....] - ETA: 0s - loss: 0.5472 - accuracy:
0.9042
582/750 [=====>.....] - ETA: 0s - loss: 0.5453 - accuracy:
0.9046
652/750 [=====>....] - ETA: 0s - loss: 0.5466 - accuracy:
0.9041
719/750 [=====>..] - ETA: 0s - loss: 0.5470 - accuracy:
0.9040
750/750 [=====] - 1s 861us/step - loss: 0.5475 - accuracy:
0.9037 - val_loss: 0.6197 - val_accuracy: 0.8748
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.5709 - accuracy:
0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.5368 - accuracy:
0.9074
143/750 [===>.....] - ETA: 0s - loss: 0.5398 - accuracy:
0.9073
215/750 [=====>.....] - ETA: 0s - loss: 0.5453 - accuracy:
0.9053
287/750 [=====>.....] - ETA: 0s - loss: 0.5452 - accuracy:
0.9048
359/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.9052
432/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy:

0.9044
502/750 [=====>.....] - ETA: 0s - loss: 0.5463 - accuracy: 0.9036
574/750 [=====>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.9030
646/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy: 0.9037
721/750 [=====>..] - ETA: 0s - loss: 0.5467 - accuracy: 0.9035
750/750 [=====] - 1s 845us/step - loss: 0.5469 - accuracy: 0.9036 - val_loss: 0.6235 - val_accuracy: 0.8746
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.5667 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.5341 - accuracy: 0.9048
146/750 [====>.....] - ETA: 0s - loss: 0.5422 - accuracy: 0.9043
218/750 [=====>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.9038
288/750 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy: 0.9040
358/750 [=====>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.9043
428/750 [=====>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.9042
494/750 [=====>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.9033
563/750 [=====>.....] - ETA: 0s - loss: 0.5454 - accuracy: 0.9027
633/750 [=====>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.9027
703/750 [=====>..] - ETA: 0s - loss: 0.5459 - accuracy: 0.9031
750/750 [=====] - 1s 876us/step - loss: 0.5451 - accuracy: 0.9032 - val_loss: 0.6147 - val_accuracy: 0.8780
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.5075 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.5491 - accuracy: 0.9060
142/750 [====>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.9040
212/750 [=====>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.9039
284/750 [=====>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.9037
357/750 [=====>.....] - ETA: 0s - loss: 0.5446 - accuracy:

0.9024 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.9028 [=====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
497/750 [=====>.....] - ETA: 0s - loss: 0.5450 - accuracy:
0.9025 [=====>.....] - ETA: 0s - loss: 0.5433 - accuracy:
566/750 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.9026 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
637/750 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
0.9031 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy:
706/750 [=====>..] - ETA: 0s - loss: 0.5445 - accuracy:
0.9039 [=====] - 1s 865us/step - loss: 0.5445 - accuracy:
750/750 [=====] - 1s 865us/step - loss: 0.5445 - accuracy:
0.9034 - val_loss: 0.6146 - val_accuracy: 0.8770
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.3906 - accuracy:
0.9531 [=>.....] - ETA: 0s - loss: 0.5261 - accuracy:
70/750 [=>.....] - ETA: 0s - loss: 0.5444 - accuracy:
0.9125 [====>.....] - ETA: 0s - loss: 0.5424 - accuracy:
138/750 [====>.....] - ETA: 0s - loss: 0.5407 - accuracy:
0.9051 [=====>.....] - ETA: 0s - loss: 0.5410 - accuracy:
207/750 [=====>.....] - ETA: 0s - loss: 0.5443 - accuracy:
0.9059 [=====>.....] - ETA: 0s - loss: 0.5458 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.5474 - accuracy:
0.9057 [=====>.....] - ETA: 0s - loss: 0.5459 - accuracy:
347/750 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
418/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.9039 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
491/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.9040 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
560/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.9032 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
634/750 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
0.9034 [=====>.....] - ETA: 0s - loss: 0.5434 - accuracy:
708/750 [=====>..] - ETA: 0s - loss: 0.5434 - accuracy:
0.9042 [=====>..] - ETA: 0s - loss: 0.5434 - accuracy:
750/750 [=====>..] - 1s 860us/step - loss: 0.5434 - accuracy:
0.9041 - val_loss: 0.6162 - val_accuracy: 0.8799
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.6553 - accuracy:
0.8750 [=>.....] - ETA: 0s - loss: 0.5520 - accuracy:
74/750 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy:
0.8959 [====>.....] - ETA: 0s - loss: 0.5444 - accuracy:
148/750 [====>.....] - ETA: 0s - loss: 0.5447 - accuracy:
0.9011 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy:
221/750 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy:
0.9029 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy:
293/750 [=====>.....] - ETA: 0s - loss: 0.5447 - accuracy:

0.9019
365/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy:
0.9032
438/750 [=====>.....] - ETA: 0s - loss: 0.5437 - accuracy:
0.9033
508/750 [=====>.....] - ETA: 0s - loss: 0.5436 - accuracy:
0.9035
576/750 [=====>.....] - ETA: 0s - loss: 0.5446 - accuracy:
0.9028
647/750 [=====>.....] - ETA: 0s - loss: 0.5438 - accuracy:
0.9029
702/750 [=====>..] - ETA: 0s - loss: 0.5443 - accuracy:
0.9032
750/750 [=====] - 1s 885us/step - loss: 0.5428 - accuracy:
0.9040 - val_loss: 0.6147 - val_accuracy: 0.8789
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.5801 - accuracy:
0.8750
68/750 [=>.....] - ETA: 0s - loss: 0.5236 - accuracy:
0.9118
133/750 [====>.....] - ETA: 0s - loss: 0.5331 - accuracy:
0.9060
205/750 [=====>.....] - ETA: 0s - loss: 0.5362 - accuracy:
0.9044
275/750 [=====>.....] - ETA: 0s - loss: 0.5388 - accuracy:
0.9040
343/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy:
0.9043
415/750 [=====>.....] - ETA: 0s - loss: 0.5424 - accuracy:
0.9031
480/750 [=====>.....] - ETA: 0s - loss: 0.5435 - accuracy:
0.9028
548/750 [=====>.....] - ETA: 0s - loss: 0.5446 - accuracy:
0.9021
618/750 [=====>.....] - ETA: 0s - loss: 0.5440 - accuracy:
0.9027
680/750 [=====>...] - ETA: 0s - loss: 0.5426 - accuracy:
0.9035
728/750 [=====>.] - ETA: 0s - loss: 0.5415 - accuracy:
0.9042
750/750 [=====] - 1s 931us/step - loss: 0.5421 - accuracy:
0.9041 - val_loss: 0.6237 - val_accuracy: 0.8747
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.6346 - accuracy:
0.9062
69/750 [=>.....] - ETA: 0s - loss: 0.5324 - accuracy:
0.9087
137/750 [====>.....] - ETA: 0s - loss: 0.5382 - accuracy:

0.9067 [=====>.....] - ETA: 0s - loss: 0.5398 - accuracy:
205/750 [=====>.....] - ETA: 0s - loss: 0.5398 - accuracy:
0.9064 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy:
270/750 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.5433 - accuracy:
322/750 [=====>.....] - ETA: 0s - loss: 0.5433 - accuracy:
0.9043 [=====>.....] - ETA: 0s - loss: 0.5456 - accuracy:
375/750 [=====>.....] - ETA: 0s - loss: 0.5456 - accuracy:
0.9037 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
421/750 [=====>.....] - ETA: 0s - loss: 0.5439 - accuracy:
0.9039 [=====>.....] - ETA: 0s - loss: 0.5429 - accuracy:
460/750 [=====>.....] - ETA: 0s - loss: 0.5429 - accuracy:
0.9043 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy:
504/750 [=====>.....] - ETA: 0s - loss: 0.5414 - accuracy:
0.9045 [=====>.....] - ETA: 0s - loss: 0.5400 - accuracy:
557/750 [=====>.....] - ETA: 0s - loss: 0.5400 - accuracy:
0.9053 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy:
627/750 [=====>.....] - ETA: 0s - loss: 0.5403 - accuracy:
0.9053 [=====>...] - ETA: 0s - loss: 0.5409 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.5409 - accuracy:
0.9049 [=====] - 1s 1ms/step - loss: 0.5415 - accuracy:
750/750 [=====] - 1s 1ms/step - loss: 0.5415 - accuracy:
0.9047 - val_loss: 0.6151 - val_accuracy: 0.8785
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.4596 - accuracy:
0.9062 [=>.....] - ETA: 0s - loss: 0.5452 - accuracy:
71/750 [=>.....] - ETA: 0s - loss: 0.5452 - accuracy:
0.9060 [===>.....] - ETA: 0s - loss: 0.5420 - accuracy:
138/750 [===>.....] - ETA: 0s - loss: 0.5420 - accuracy:
0.9078 [=====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
207/750 [=====>.....] - ETA: 0s - loss: 0.5372 - accuracy:
0.9065 [=====>.....] - ETA: 0s - loss: 0.5363 - accuracy:
278/750 [=====>.....] - ETA: 0s - loss: 0.5363 - accuracy:
0.9059 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
348/750 [=====>.....] - ETA: 0s - loss: 0.5386 - accuracy:
0.9055 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy:
416/750 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.5396 - accuracy:
485/750 [=====>.....] - ETA: 0s - loss: 0.5396 - accuracy:
0.9051 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy:
554/750 [=====>.....] - ETA: 0s - loss: 0.5395 - accuracy:
0.9050 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy:
626/750 [=====>.....] - ETA: 0s - loss: 0.5391 - accuracy:
0.9055 [=====>...] - ETA: 0s - loss: 0.5399 - accuracy:
699/750 [=====>...] - ETA: 0s - loss: 0.5399 - accuracy:
0.9052 [=====>] - 1s 877us/step - loss: 0.5396 - accuracy:
750/750 [=====>] - 1s 877us/step - loss: 0.5396 - accuracy:
0.9053 - val_loss: 0.6197 - val_accuracy: 0.8757
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.3758 - accuracy: 0.9688
71/750 [=>.....] - ETA: 0s - loss: 0.5349 - accuracy: 0.9016
140/750 [====>.....] - ETA: 0s - loss: 0.5415 - accuracy: 0.9015
207/750 [=====>.....] - ETA: 0s - loss: 0.5396 - accuracy: 0.9041
278/750 [======>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.9027
349/750 [======>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.9020
422/750 [======>.....] - ETA: 0s - loss: 0.5392 - accuracy: 0.9043
490/750 [======>.....] - ETA: 0s - loss: 0.5394 - accuracy: 0.9043
560/750 [======>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.9035
630/750 [======>.....] - ETA: 0s - loss: 0.5392 - accuracy: 0.9038
700/750 [======>..] - ETA: 0s - loss: 0.5393 - accuracy: 0.9038
750/750 [=====] - 1s 869us/step - loss: 0.5387 - accuracy: 0.9044 - val_loss: 0.6128 - val_accuracy: 0.8806
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.9075
143/750 [====>.....] - ETA: 0s - loss: 0.5458 - accuracy: 0.9050
216/750 [=====>.....] - ETA: 0s - loss: 0.5445 - accuracy: 0.9043
285/750 [======>.....] - ETA: 0s - loss: 0.5442 - accuracy: 0.9031
351/750 [======>.....] - ETA: 0s - loss: 0.5418 - accuracy: 0.9040
420/750 [======>.....] - ETA: 0s - loss: 0.5370 - accuracy: 0.9065
486/750 [======>.....] - ETA: 0s - loss: 0.5365 - accuracy: 0.9064
559/750 [======>.....] - ETA: 0s - loss: 0.5369 - accuracy: 0.9061
631/750 [======>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.9062
703/750 [======>..] - ETA: 0s - loss: 0.5381 - accuracy: 0.9057
750/750 [=====] - 1s 864us/step - loss: 0.5380 - accuracy:

0.9053 - val_loss: 0.6111 - val_accuracy: 0.8774
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.8364 - accuracy:
0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.5236 - accuracy:
0.9073
145/750 [====>.....] - ETA: 0s - loss: 0.5233 - accuracy:
0.9083
216/750 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
0.9067
288/750 [======>.....] - ETA: 0s - loss: 0.5316 - accuracy:
0.9060
359/750 [======>.....] - ETA: 0s - loss: 0.5340 - accuracy:
0.9061
427/750 [======>.....] - ETA: 0s - loss: 0.5378 - accuracy:
0.9051
498/750 [======>.....] - ETA: 0s - loss: 0.5359 - accuracy:
0.9054
567/750 [======>.....] - ETA: 0s - loss: 0.5368 - accuracy:
0.9052
635/750 [======>....] - ETA: 0s - loss: 0.5354 - accuracy:
0.9057
708/750 [======>..] - ETA: 0s - loss: 0.5373 - accuracy:
0.9053
750/750 [=====] - 1s 862us/step - loss: 0.5371 - accuracy:
0.9053 - val_loss: 0.6125 - val_accuracy: 0.8779
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.5131 - accuracy:
0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.9036
142/750 [====>.....] - ETA: 0s - loss: 0.5335 - accuracy:
0.9024
216/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.9032
287/750 [======>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.9059
360/750 [======>.....] - ETA: 0s - loss: 0.5310 - accuracy:
0.9052
433/750 [======>.....] - ETA: 0s - loss: 0.5342 - accuracy:
0.9042
507/750 [======>.....] - ETA: 0s - loss: 0.5358 - accuracy:
0.9041
578/750 [======>.....] - ETA: 0s - loss: 0.5357 - accuracy:
0.9047
650/750 [======>....] - ETA: 0s - loss: 0.5367 - accuracy:
0.9045
723/750 [======>..] - ETA: 0s - loss: 0.5362 - accuracy:

0.9049
750/750 [=====] - 1s 849us/step - loss: 0.5361 - accuracy:
0.9050 - val_loss: 0.6134 - val_accuracy: 0.8780
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.5924 - accuracy:
0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.5246 - accuracy:
0.9118
144/750 [====>.....] - ETA: 0s - loss: 0.5278 - accuracy:
0.9110
217/750 [=====>.....] - ETA: 0s - loss: 0.5335 - accuracy:
0.9081
285/750 [======>.....] - ETA: 0s - loss: 0.5360 - accuracy:
0.9060
353/750 [======>.....] - ETA: 0s - loss: 0.5325 - accuracy:
0.9073
422/750 [======>.....] - ETA: 0s - loss: 0.5335 - accuracy:
0.9064
492/750 [======>.....] - ETA: 0s - loss: 0.5335 - accuracy:
0.9063
564/750 [======>.....] - ETA: 0s - loss: 0.5337 - accuracy:
0.9063
633/750 [======>.....] - ETA: 0s - loss: 0.5346 - accuracy:
0.9060
704/750 [======>..] - ETA: 0s - loss: 0.5355 - accuracy:
0.9059
750/750 [=====] - 1s 865us/step - loss: 0.5358 - accuracy:
0.9054 - val_loss: 0.6093 - val_accuracy: 0.8793
Epoch 214/220

1/750 [.....] - ETA: 0s - loss: 0.4236 - accuracy:
0.9688
72/750 [=>.....] - ETA: 0s - loss: 0.5467 - accuracy:
0.9030
140/750 [====>.....] - ETA: 0s - loss: 0.5408 - accuracy:
0.9048
211/750 [=====>.....] - ETA: 0s - loss: 0.5342 - accuracy:
0.9068
284/750 [======>.....] - ETA: 0s - loss: 0.5358 - accuracy:
0.9060
353/750 [======>.....] - ETA: 0s - loss: 0.5333 - accuracy:
0.9066
419/750 [======>.....] - ETA: 0s - loss: 0.5351 - accuracy:
0.9062
484/750 [======>.....] - ETA: 0s - loss: 0.5345 - accuracy:
0.9068
549/750 [======>.....] - ETA: 0s - loss: 0.5330 - accuracy:
0.9070
620/750 [======>.....] - ETA: 0s - loss: 0.5351 - accuracy:

0.9061 [=====] - ETA: 0s - loss: 0.5347 - accuracy:
693/750 [=====>...] - ETA: 0s - loss: 0.5347 - accuracy:
0.9062 [=====] - ETA: 0s - loss: 0.5347 - accuracy:
750/750 [=====] - 1s 889us/step - loss: 0.5347 - accuracy:
0.9060 - val_loss: 0.6088 - val_accuracy: 0.8816
Epoch 215/220

1/750 [.....] - ETA: 0s - loss: 0.4290 - accuracy:
0.9531 [.....] - ETA: 0s - loss: 0.5482 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy:
0.8941 [.....] - ETA: 0s - loss: 0.5352 - accuracy:
144/750 [====>.....] - ETA: 0s - loss: 0.5352 - accuracy:
0.9008 [.....] - ETA: 0s - loss: 0.5267 - accuracy:
213/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy:
0.9058 [.....] - ETA: 0s - loss: 0.5275 - accuracy:
281/750 [======>.....] - ETA: 0s - loss: 0.5275 - accuracy:
0.9061 [.....] - ETA: 0s - loss: 0.5296 - accuracy:
347/750 [======>.....] - ETA: 0s - loss: 0.5296 - accuracy:
0.9057 [.....] - ETA: 0s - loss: 0.5300 - accuracy:
414/750 [======>.....] - ETA: 0s - loss: 0.5300 - accuracy:
0.9058 [.....] - ETA: 0s - loss: 0.5294 - accuracy:
484/750 [======>.....] - ETA: 0s - loss: 0.5294 - accuracy:
0.9063 [.....] - ETA: 0s - loss: 0.5289 - accuracy:
554/750 [======>.....] - ETA: 0s - loss: 0.5289 - accuracy:
0.9065 [.....] - ETA: 0s - loss: 0.5308 - accuracy:
622/750 [======>.....] - ETA: 0s - loss: 0.5308 - accuracy:
0.9059 [.....] - ETA: 0s - loss: 0.5322 - accuracy:
691/750 [======>...] - ETA: 0s - loss: 0.5322 - accuracy:
0.9057 [.....] - ETA: 0s - loss: 0.5330 - accuracy:
750/750 [=====] - 1s 883us/step - loss: 0.5330 - accuracy:
0.9056 - val_loss: 0.6074 - val_accuracy: 0.8797
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.4819 - accuracy:
0.9219 [.....] - ETA: 0s - loss: 0.5338 - accuracy:
68/750 [=>.....] - ETA: 0s - loss: 0.5338 - accuracy:
0.9049 [.....] - ETA: 0s - loss: 0.5366 - accuracy:
136/750 [====>.....] - ETA: 0s - loss: 0.5366 - accuracy:
0.9044 [.....] - ETA: 0s - loss: 0.5341 - accuracy:
200/750 [=====>.....] - ETA: 0s - loss: 0.5341 - accuracy:
0.9041 [.....] - ETA: 0s - loss: 0.5341 - accuracy:
262/750 [======>.....] - ETA: 0s - loss: 0.5341 - accuracy:
0.9048 [.....] - ETA: 0s - loss: 0.5343 - accuracy:
331/750 [======>.....] - ETA: 0s - loss: 0.5343 - accuracy:
0.9055 [.....] - ETA: 0s - loss: 0.5329 - accuracy:
400/750 [======>.....] - ETA: 0s - loss: 0.5329 - accuracy:
0.9059 [.....] - ETA: 0s - loss: 0.5326 - accuracy:
470/750 [======>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.9064 [.....] - ETA: 0s - loss: 0.5343 - accuracy:
539/750 [======>.....] - ETA: 0s - loss: 0.5343 - accuracy:

0.9052 [=====>.....] - ETA: 0s - loss: 0.5329 - accuracy:
605/750 [=====>.....] - ETA: 0s - loss: 0.5329 - accuracy:
0.9054 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
661/750 [=====>.....] - ETA: 0s - loss: 0.5336 - accuracy:
0.9055 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy:
727/750 [=====>.....] - ETA: 0s - loss: 0.5316 - accuracy:
0.9059 [=====>.....] - ETA: 0s - loss: 0.5327 - accuracy:
750/750 [=====] - 1s 911us/step - loss: 0.5327 - accuracy:
0.9053 - val_loss: 0.6078 - val_accuracy: 0.8773
Epoch 217/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5047 - accuracy:
0.9062 [=====>.....] - ETA: 0s - loss: 0.5247 - accuracy:
71/750 [=====>.....] - ETA: 0s - loss: 0.5247 - accuracy:
0.9102 [=====>.....] - ETA: 0s - loss: 0.5295 - accuracy:
138/750 [=====>.....] - ETA: 0s - loss: 0.5295 - accuracy:
0.9094 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
209/750 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
0.9082 [=====>.....] - ETA: 0s - loss: 0.5306 - accuracy:
279/750 [=====>.....] - ETA: 0s - loss: 0.5306 - accuracy:
0.9085 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
350/750 [=====>.....] - ETA: 0s - loss: 0.5300 - accuracy:
0.9085 [=====>.....] - ETA: 0s - loss: 0.5315 - accuracy:
422/750 [=====>.....] - ETA: 0s - loss: 0.5315 - accuracy:
0.9075 [=====>.....] - ETA: 0s - loss: 0.5321 - accuracy:
493/750 [=====>.....] - ETA: 0s - loss: 0.5321 - accuracy:
0.9075 [=====>.....] - ETA: 0s - loss: 0.5311 - accuracy:
563/750 [=====>.....] - ETA: 0s - loss: 0.5311 - accuracy:
0.9072 [=====>.....] - ETA: 0s - loss: 0.5320 - accuracy:
635/750 [=====>.....] - ETA: 0s - loss: 0.5320 - accuracy:
0.9068 [=====>.....] - ETA: 0s - loss: 0.5333 - accuracy:
706/750 [=====>.....] - ETA: 0s - loss: 0.5333 - accuracy:
0.9060 [=====>.....] - ETA: 0s - loss: 0.5318 - accuracy:
750/750 [=====] - 1s 868us/step - loss: 0.5318 - accuracy:
0.9063 - val_loss: 0.6080 - val_accuracy: 0.8773
Epoch 218/220

1/750 [=====>.....] - ETA: 0s - loss: 0.5255 - accuracy:
0.9531 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:
72/750 [=====>.....] - ETA: 0s - loss: 0.5252 - accuracy:
0.9108 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy:
143/750 [=====>.....] - ETA: 0s - loss: 0.5267 - accuracy:
0.9093 [=====>.....] - ETA: 0s - loss: 0.5261 - accuracy:
211/750 [=====>.....] - ETA: 0s - loss: 0.5261 - accuracy:
0.9105 [=====>.....] - ETA: 0s - loss: 0.5293 - accuracy:
284/750 [=====>.....] - ETA: 0s - loss: 0.5293 - accuracy:
0.9073 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
353/750 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.9084 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy:
426/750 [=====>.....] - ETA: 0s - loss: 0.5323 - accuracy:

0.9066 [=====>.....] - ETA: 0s - loss: 0.5328 - accuracy:
498/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.9056 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
570/750 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
0.9056 [=====>.....] - ETA: 0s - loss: 0.5326 - accuracy:
641/750 [=====>.....] - ETA: 0s - loss: 0.5343 - accuracy:
0.9052 [=====>.....] - ETA: 0s - loss: 0.5343 - accuracy:
713/750 [=====>..] - ETA: 0s - loss: 0.5322 - accuracy:
0.9061 [=====>..] - ETA: 0s - loss: 0.5322 - accuracy:
750/750 [=====] - 1s 857us/step - loss: 0.5316 - accuracy:
0.9060 - val_loss: 0.6049 - val_accuracy: 0.8813
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.6083 - accuracy:
0.8438 [.....] - ETA: 0s - loss: 0.6083 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5229 - accuracy:
0.9099 [=>.....] - ETA: 0s - loss: 0.5229 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
0.9090 [====>.....] - ETA: 0s - loss: 0.5245 - accuracy:
214/750 [=====>.....] - ETA: 0s - loss: 0.5287 - accuracy:
0.9074 [=====>.....] - ETA: 0s - loss: 0.5287 - accuracy:
286/750 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
0.9082 [=====>.....] - ETA: 0s - loss: 0.5298 - accuracy:
360/750 [=====>.....] - ETA: 0s - loss: 0.5276 - accuracy:
0.9079 [=====>.....] - ETA: 0s - loss: 0.5276 - accuracy:
429/750 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
0.9077 [=====>.....] - ETA: 0s - loss: 0.5279 - accuracy:
501/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
0.9081 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
573/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
0.9081 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
644/750 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
0.9080 [=====>.....] - ETA: 0s - loss: 0.5274 - accuracy:
717/750 [=====>..] - ETA: 0s - loss: 0.5300 - accuracy:
0.9072 [=====>..] - ETA: 0s - loss: 0.5300 - accuracy:
750/750 [=====] - 1s 853us/step - loss: 0.5297 - accuracy:
0.9072 - val_loss: 0.6078 - val_accuracy: 0.8783
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.5523 - accuracy:
0.8906 [.....] - ETA: 0s - loss: 0.5523 - accuracy:
72/750 [=>.....] - ETA: 0s - loss: 0.5205 - accuracy:
0.9104 [=>.....] - ETA: 0s - loss: 0.5205 - accuracy:
143/750 [====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
0.9097 [====>.....] - ETA: 0s - loss: 0.5211 - accuracy:
216/750 [=====>.....] - ETA: 0s - loss: 0.5246 - accuracy:
0.9081 [=====>.....] - ETA: 0s - loss: 0.5246 - accuracy:
288/750 [=====>.....] - ETA: 0s - loss: 0.5273 - accuracy:
0.9084 [=====>.....] - ETA: 0s - loss: 0.5273 - accuracy:
359/750 [=====>.....] - ETA: 0s - loss: 0.5283 - accuracy:

```
0.9077
432/750 [=====>.....] - ETA: 0s - loss: 0.5294 - accuracy:
0.9074
502/750 [=====>.....] - ETA: 0s - loss: 0.5302 - accuracy:
0.9064
574/750 [=====>.....] - ETA: 0s - loss: 0.5301 - accuracy:
0.9066
647/750 [=====>.....] - ETA: 0s - loss: 0.5305 - accuracy:
0.9069
717/750 [=====>..] - ETA: 0s - loss: 0.5297 - accuracy:
0.9071
750/750 [=====] - 1s 854us/step - loss: 0.5292 - accuracy:
0.9072 - val_loss: 0.6086 - val_accuracy: 0.8821
```

```
1/313 [.....] - ETA: 3s - loss: 0.6449 - accuracy:
0.8750
107/313 [=====>.....] - ETA: 0s - loss: 0.6438 - accuracy:
0.8700
210/313 [=====>.....] - ETA: 0s - loss: 0.6602 - accuracy:
0.8671
313/313 [=====] - 0s 482us/step - loss: 0.6420 - accuracy:
0.8689
```

Testing loss: 0.6420478224754333

Testing accuracy: 86.89000010490417%

The Best Model Was:

```
{'key': 'EPOCH: 220, LAYER_AMT: 5, NEURONS: 50, LR: 0.001, BATCH: 64, L2: 0.001',
'model': <keras.engine.sequential.Sequential object at 0x0000022A41B26970>,
'history': <keras.callbacks.History object at 0x0000022A865F2E80>, 'epochs': 220,
'batch_size': 64, 'architecture': [{'name': 'input_layer', 'size': 50,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden5', 'size': 50,
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}], 'l2_strength': 0.001, 'learning_rate': 0.001,
'testing_results': {'loss': 0.6420478224754333, 'accuracy': 0.8689000010490417},
'validation_results': {'loss': 0.6085644364356995, 'accuracy': 0.8820833563804626}}
```

Testing problem_3c:

The model being used is:

```
{'key': 'EPOCH: 220, LAYER_AMT: 5, NEURONS: 50, LR: 0.001, BATCH: 64, L2: 0.001',
'model': <keras.engine.sequential.Sequential object at 0x0000022A41B26970>,
'history': <keras.callbacks.History object at 0x0000022A865F2E80>, 'epochs': 220,
'batch_size': 64, 'architecture': [{'name': 'input_layer', 'size': 50,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden5', 'size': 50,
```

```
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}], 'l2_strength': 0.001, 'learning_rate': 0.001,
'testing_results': {'loss': 0.6420478224754333, 'accuracy': 0.8689000010490417},
'validation_results': {'loss': 0.6085644364356995, 'accuracy': 0.8820833563804626}}
```

Re-training the best model!

Model: "sequential_13"

Layer (type)	Output Shape	Param #
input_layer (Dense)	(None, 50)	39250
hidden1 (Dense)	(None, 50)	2550
hidden2 (Dense)	(None, 50)	2550
hidden3 (Dense)	(None, 50)	2550
hidden4 (Dense)	(None, 50)	2550
hidden5 (Dense)	(None, 50)	2550
output_layer (Dense)	(None, 10)	510
=====		
Total params: 52,510		
Trainable params: 52,510		
Non-trainable params: 0		

```
Training NN with EPOCHS=220, BATCH_SIZE=64, LEARNING_RATE=0.001 and
L2_REGULARIZE=0.001, ARCHITECTURE=[{'name': 'input_layer', 'size': 50,
'activation_function': 'relu', 'input_shape': (784,)}, {'name': 'hidden1', 'size':
50, 'activation_function': 'relu'}, {'name': 'hidden2', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden3', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden4', 'size': 50,
'activation_function': 'relu'}, {'name': 'hidden5', 'size': 50,
'activation_function': 'relu'}, {'name': 'output_layer', 'size': 10,
'activation_function': 'softmax'}]
```

```
Importing MNIST Dataset...
(48000, 784) train samples
(12000, 784) validation samples
(10000, 784) test samples
```

```
(48000, 10) train labels
(12000, 10) validation labels
(10000, 10) test labels
```

Epoch 1/220

```
1/750 [.....] - ETA: 2:21 - loss: 2.6608 - accuracy:
0.1094
66/750 [=>.....] - ETA: 0s - loss: 2.6639 - accuracy: 0.1117
130/750 [====>.....] - ETA: 0s - loss: 2.6631 - accuracy:
0.1167
198/750 [=====>.....] - ETA: 0s - loss: 2.6629 - accuracy:
0.1162
264/750 [======>.....] - ETA: 0s - loss: 2.6621 - accuracy:
0.1161
331/750 [======>.....] - ETA: 0s - loss: 2.6613 - accuracy:
0.1169
397/750 [======>.....] - ETA: 0s - loss: 2.6605 - accuracy:
0.1169
466/750 [======>.....] - ETA: 0s - loss: 2.6595 - accuracy:
0.1178
532/750 [======>.....] - ETA: 0s - loss: 2.6587 - accuracy:
0.1186
600/750 [======>.....] - ETA: 0s - loss: 2.6577 - accuracy:
0.1203
667/750 [======>....] - ETA: 0s - loss: 2.6570 - accuracy:
0.1208
733/750 [======>.] - ETA: 0s - loss: 2.6561 - accuracy:
0.1219
750/750 [=====] - 1s 1ms/step - loss: 2.6559 - accuracy:
0.1224 - val_loss: 2.6453 - val_accuracy: 0.1326
Epoch 2/220
```

```
1/750 [.....] - ETA: 0s - loss: 2.6464 - accuracy:
0.0938
66/750 [=>.....] - ETA: 0s - loss: 2.6438 - accuracy:
0.1420
132/750 [====>.....] - ETA: 0s - loss: 2.6438 - accuracy:
0.1360
202/750 [=====>.....] - ETA: 0s - loss: 2.6419 - accuracy:
0.1370
273/750 [======>.....] - ETA: 0s - loss: 2.6400 - accuracy:
0.1399
346/750 [======>.....] - ETA: 0s - loss: 2.6385 - accuracy:
0.1411
416/750 [======>.....] - ETA: 0s - loss: 2.6370 - accuracy:
0.1434
486/750 [======>.....] - ETA: 0s - loss: 2.6356 - accuracy:
0.1446
559/750 [======>.....] - ETA: 0s - loss: 2.6341 - accuracy:
0.1465
```

630/750 [=====>.....] - ETA: 0s - loss: 2.6325 - accuracy:
0.1486
701/750 [=====>..] - ETA: 0s - loss: 2.6309 - accuracy:
0.1506
750/750 [=====] - 1s 869us/step - loss: 2.6297 - accuracy:
0.1525 - val_loss: 2.6125 - val_accuracy: 0.1692
Epoch 3/220

1/750 [.....] - ETA: 0s - loss: 2.5990 - accuracy:
0.2188
73/750 [=>.....] - ETA: 0s - loss: 2.6091 - accuracy:
0.1811
143/750 [====>.....] - ETA: 0s - loss: 2.6079 - accuracy:
0.1801
214/750 [=====>.....] - ETA: 0s - loss: 2.6054 - accuracy:
0.1851
287/750 [=====>.....] - ETA: 0s - loss: 2.6024 - accuracy:
0.1902
358/750 [=====>.....] - ETA: 0s - loss: 2.5997 - accuracy:
0.1936
431/750 [=====>.....] - ETA: 0s - loss: 2.5971 - accuracy:
0.1980
503/750 [=====>.....] - ETA: 0s - loss: 2.5943 - accuracy:
0.2017
573/750 [=====>.....] - ETA: 0s - loss: 2.5915 - accuracy:
0.2036
643/750 [=====>.....] - ETA: 0s - loss: 2.5883 - accuracy:
0.2058
714/750 [=====>..] - ETA: 0s - loss: 2.5849 - accuracy:
0.2083
750/750 [=====] - 1s 857us/step - loss: 2.5830 - accuracy:
0.2101 - val_loss: 2.5464 - val_accuracy: 0.2325
Epoch 4/220

1/750 [.....] - ETA: 0s - loss: 2.5242 - accuracy:
0.2344
71/750 [=>.....] - ETA: 0s - loss: 2.5397 - accuracy:
0.2388
145/750 [====>.....] - ETA: 0s - loss: 2.5339 - accuracy:
0.2389
217/750 [=====>.....] - ETA: 0s - loss: 2.5288 - accuracy:
0.2388
288/750 [=====>.....] - ETA: 0s - loss: 2.5232 - accuracy:
0.2412
361/750 [=====>.....] - ETA: 0s - loss: 2.5162 - accuracy:
0.2434
433/750 [=====>.....] - ETA: 0s - loss: 2.5091 - accuracy:
0.2451
505/750 [=====>.....] - ETA: 0s - loss: 2.5020 - accuracy:
0.2476

577/750 [=====>.....] - ETA: 0s - loss: 2.4942 - accuracy: 0.2509
649/750 [=====>.....] - ETA: 0s - loss: 2.4861 - accuracy: 0.2532
722/750 [=====>..] - ETA: 0s - loss: 2.4778 - accuracy: 0.2554
750/750 [=====] - 1s 850us/step - loss: 2.4746 - accuracy: 0.2565 - val_loss: 2.3839 - val_accuracy: 0.2987
Epoch 5/220

1/750 [.....] - ETA: 0s - loss: 2.4373 - accuracy: 0.2500
72/750 [=>.....] - ETA: 0s - loss: 2.3678 - accuracy: 0.3112
144/750 [====>.....] - ETA: 0s - loss: 2.3579 - accuracy: 0.3035
215/750 [=====>.....] - ETA: 0s - loss: 2.3481 - accuracy: 0.3100
286/750 [=====>.....] - ETA: 0s - loss: 2.3338 - accuracy: 0.3179
358/750 [=====>.....] - ETA: 0s - loss: 2.3197 - accuracy: 0.3242
430/750 [=====>.....] - ETA: 0s - loss: 2.3074 - accuracy: 0.3305
502/750 [=====>.....] - ETA: 0s - loss: 2.2958 - accuracy: 0.3356
574/750 [=====>.....] - ETA: 0s - loss: 2.2803 - accuracy: 0.3416
645/750 [=====>.....] - ETA: 0s - loss: 2.2670 - accuracy: 0.3447
716/750 [=====>..] - ETA: 0s - loss: 2.2522 - accuracy: 0.3469
750/750 [=====] - 1s 853us/step - loss: 2.2452 - accuracy: 0.3473 - val_loss: 2.0933 - val_accuracy: 0.3648
Epoch 6/220

1/750 [.....] - ETA: 0s - loss: 2.0168 - accuracy: 0.5000
71/750 [=>.....] - ETA: 0s - loss: 2.0693 - accuracy: 0.3748
143/750 [====>.....] - ETA: 0s - loss: 2.0561 - accuracy: 0.3818
213/750 [=====>.....] - ETA: 0s - loss: 2.0432 - accuracy: 0.3921
287/750 [=====>.....] - ETA: 0s - loss: 2.0261 - accuracy: 0.4053
356/750 [=====>.....] - ETA: 0s - loss: 2.0113 - accuracy: 0.4158
427/750 [=====>.....] - ETA: 0s - loss: 1.9931 - accuracy: 0.4262

500/750 [=====>.....] - ETA: 0s - loss: 1.9778 - accuracy: 0.4317
572/750 [=====>.....] - ETA: 0s - loss: 1.9610 - accuracy: 0.4378
645/750 [=====>.....] - ETA: 0s - loss: 1.9444 - accuracy: 0.4439
713/750 [=====>..] - ETA: 0s - loss: 1.9293 - accuracy: 0.4489
750/750 [=====] - 1s 858us/step - loss: 1.9206 - accuracy: 0.4533 - val_loss: 1.7505 - val_accuracy: 0.5278
Epoch 7/220

1/750 [.....] - ETA: 0s - loss: 1.6448 - accuracy: 0.5156
73/750 [=>.....] - ETA: 0s - loss: 1.7449 - accuracy: 0.5223
148/750 [====>.....] - ETA: 0s - loss: 1.7221 - accuracy: 0.5279
217/750 [=====>.....] - ETA: 0s - loss: 1.7075 - accuracy: 0.5365
289/750 [=====>.....] - ETA: 0s - loss: 1.6928 - accuracy: 0.5421
362/750 [=====>.....] - ETA: 0s - loss: 1.6771 - accuracy: 0.5462
432/750 [=====>.....] - ETA: 0s - loss: 1.6627 - accuracy: 0.5493
503/750 [=====>.....] - ETA: 0s - loss: 1.6514 - accuracy: 0.5502
575/750 [=====>.....] - ETA: 0s - loss: 1.6388 - accuracy: 0.5537
647/750 [=====>.....] - ETA: 0s - loss: 1.6266 - accuracy: 0.5560
719/750 [=====>..] - ETA: 0s - loss: 1.6156 - accuracy: 0.5599
750/750 [=====] - 1s 852us/step - loss: 1.6107 - accuracy: 0.5619 - val_loss: 1.4959 - val_accuracy: 0.5929
Epoch 8/220

1/750 [.....] - ETA: 0s - loss: 1.5833 - accuracy: 0.6406
73/750 [=>.....] - ETA: 0s - loss: 1.4982 - accuracy: 0.5895
146/750 [====>.....] - ETA: 0s - loss: 1.4835 - accuracy: 0.5947
221/750 [=====>.....] - ETA: 0s - loss: 1.4740 - accuracy: 0.6065
290/750 [=====>.....] - ETA: 0s - loss: 1.4659 - accuracy: 0.6127
362/750 [=====>.....] - ETA: 0s - loss: 1.4545 - accuracy: 0.6165

434/750 [=====>.....] - ETA: 0s - loss: 1.4454 - accuracy: 0.6210
506/750 [=====>.....] - ETA: 0s - loss: 1.4404 - accuracy: 0.6223
577/750 [=====>.....] - ETA: 0s - loss: 1.4337 - accuracy: 0.6238
650/750 [=====>....] - ETA: 0s - loss: 1.4266 - accuracy: 0.6258
722/750 [=====>..] - ETA: 0s - loss: 1.4205 - accuracy: 0.6269
750/750 [=====] - 1s 852us/step - loss: 1.4177 - accuracy: 0.6275 - val_loss: 1.3534 - val_accuracy: 0.6511
Epoch 9/220

1/750 [.....] - ETA: 0s - loss: 1.4366 - accuracy: 0.5625
52/750 [=>.....] - ETA: 0s - loss: 1.3519 - accuracy: 0.6475
105/750 [==>.....] - ETA: 0s - loss: 1.3379 - accuracy: 0.6515
177/750 [=====>.....] - ETA: 0s - loss: 1.3378 - accuracy: 0.6495
247/750 [=====>.....] - ETA: 0s - loss: 1.3390 - accuracy: 0.6461
319/750 [=====>.....] - ETA: 0s - loss: 1.3336 - accuracy: 0.6503
390/750 [=====>.....] - ETA: 0s - loss: 1.3289 - accuracy: 0.6526
463/750 [=====>.....] - ETA: 0s - loss: 1.3239 - accuracy: 0.6536
535/750 [=====>.....] - ETA: 0s - loss: 1.3195 - accuracy: 0.6545
605/750 [=====>.....] - ETA: 0s - loss: 1.3153 - accuracy: 0.6559
677/750 [=====>...] - ETA: 0s - loss: 1.3103 - accuracy: 0.6577
749/750 [=====>.] - ETA: 0s - loss: 1.3054 - accuracy: 0.6589
750/750 [=====] - 1s 891us/step - loss: 1.3055 - accuracy: 0.6588 - val_loss: 1.2670 - val_accuracy: 0.6677
Epoch 10/220

1/750 [.....] - ETA: 0s - loss: 1.4701 - accuracy: 0.6875
73/750 [=>.....] - ETA: 0s - loss: 1.2610 - accuracy: 0.6712
145/750 [==>.....] - ETA: 0s - loss: 1.2481 - accuracy: 0.6760
214/750 [=====>.....] - ETA: 0s - loss: 1.2494 - accuracy: 0.6742

285/750 [=====>.....] - ETA: 0s - loss: 1.2493 - accuracy: 0.6766
353/750 [=====>.....] - ETA: 0s - loss: 1.2468 - accuracy: 0.6757
422/750 [=====>.....] - ETA: 0s - loss: 1.2422 - accuracy: 0.6770
494/750 [=====>.....] - ETA: 0s - loss: 1.2402 - accuracy: 0.6777
566/750 [=====>.....] - ETA: 0s - loss: 1.2381 - accuracy: 0.6789
638/750 [=====>.....] - ETA: 0s - loss: 1.2350 - accuracy: 0.6791
709/750 [=====>..] - ETA: 0s - loss: 1.2322 - accuracy: 0.6805
750/750 [=====] - 1s 861us/step - loss: 1.2318 - accuracy: 0.6799 - val_loss: 1.2067 - val_accuracy: 0.6923
Epoch 11/220

1/750 [.....] - ETA: 0s - loss: 1.2885 - accuracy: 0.7031
70/750 [=>.....] - ETA: 0s - loss: 1.2088 - accuracy: 0.6897
142/750 [===>.....] - ETA: 0s - loss: 1.2010 - accuracy: 0.6867
213/750 [=====>.....] - ETA: 0s - loss: 1.2032 - accuracy: 0.6852
284/750 [=====>.....] - ETA: 0s - loss: 1.1983 - accuracy: 0.6890
353/750 [=====>.....] - ETA: 0s - loss: 1.1956 - accuracy: 0.6914
424/750 [=====>.....] - ETA: 0s - loss: 1.1897 - accuracy: 0.6951
496/750 [=====>.....] - ETA: 0s - loss: 1.1894 - accuracy: 0.6946
569/750 [=====>.....] - ETA: 0s - loss: 1.1842 - accuracy: 0.6968
641/750 [=====>.....] - ETA: 0s - loss: 1.1809 - accuracy: 0.6973
712/750 [=====>..] - ETA: 0s - loss: 1.1793 - accuracy: 0.6984
750/750 [=====] - 1s 858us/step - loss: 1.1780 - accuracy: 0.6990 - val_loss: 1.1588 - val_accuracy: 0.7088
Epoch 12/220

1/750 [.....] - ETA: 0s - loss: 1.0777 - accuracy: 0.7344
73/750 [=>.....] - ETA: 0s - loss: 1.1408 - accuracy: 0.7181
146/750 [===>.....] - ETA: 0s - loss: 1.1505 - accuracy: 0.7092

218/750 [=====>.....] - ETA: 0s - loss: 1.1539 - accuracy: 0.7090
291/750 [=====>.....] - ETA: 0s - loss: 1.1509 - accuracy: 0.7112
361/750 [=====>.....] - ETA: 0s - loss: 1.1459 - accuracy: 0.7129
433/750 [=====>.....] - ETA: 0s - loss: 1.1418 - accuracy: 0.7133
504/750 [=====>.....] - ETA: 0s - loss: 1.1405 - accuracy: 0.7146
576/750 [=====>.....] - ETA: 0s - loss: 1.1384 - accuracy: 0.7148
649/750 [=====>.....] - ETA: 0s - loss: 1.1345 - accuracy: 0.7160
719/750 [=====>..] - ETA: 0s - loss: 1.1339 - accuracy: 0.7166
750/750 [=====>.....] - 1s 854us/step - loss: 1.1324 - accuracy: 0.7168 - val_loss: 1.1175 - val_accuracy: 0.7221
Epoch 13/220

1/750 [.....] - ETA: 0s - loss: 1.0746 - accuracy: 0.7344
74/750 [=>.....] - ETA: 0s - loss: 1.1443 - accuracy: 0.7158
147/750 [=====>.....] - ETA: 0s - loss: 1.1251 - accuracy: 0.7239
219/750 [=====>.....] - ETA: 0s - loss: 1.1138 - accuracy: 0.7265
290/750 [=====>.....] - ETA: 0s - loss: 1.1106 - accuracy: 0.7255
363/750 [=====>.....] - ETA: 0s - loss: 1.1074 - accuracy: 0.7253
435/750 [=====>.....] - ETA: 0s - loss: 1.1024 - accuracy: 0.7278
506/750 [=====>.....] - ETA: 0s - loss: 1.0987 - accuracy: 0.7296
579/750 [=====>.....] - ETA: 0s - loss: 1.0965 - accuracy: 0.7309
651/750 [=====>.....] - ETA: 0s - loss: 1.0955 - accuracy: 0.7304
724/750 [=====>..] - ETA: 0s - loss: 1.0953 - accuracy: 0.7308
750/750 [=====>.....] - 1s 846us/step - loss: 1.0943 - accuracy: 0.7313 - val_loss: 1.0852 - val_accuracy: 0.7371
Epoch 14/220

1/750 [.....] - ETA: 0s - loss: 0.9808 - accuracy: 0.8125
72/750 [=>.....] - ETA: 0s - loss: 1.0768 - accuracy: 0.7348

142/750 [====>.....] - ETA: 0s - loss: 1.0762 - accuracy: 0.7394
215/750 [=====>.....] - ETA: 0s - loss: 1.0735 - accuracy: 0.7404
287/750 [=====>.....] - ETA: 0s - loss: 1.0713 - accuracy: 0.7407
358/750 [=====>.....] - ETA: 0s - loss: 1.0674 - accuracy: 0.7415
430/750 [=====>.....] - ETA: 0s - loss: 1.0651 - accuracy: 0.7421
496/750 [=====>.....] - ETA: 0s - loss: 1.0621 - accuracy: 0.7431
569/750 [=====>.....] - ETA: 0s - loss: 1.0627 - accuracy: 0.7414
640/750 [=====>.....] - ETA: 0s - loss: 1.0627 - accuracy: 0.7413
712/750 [=====>..] - ETA: 0s - loss: 1.0635 - accuracy: 0.7406
750/750 [=====] - 1s 860us/step - loss: 1.0637 - accuracy: 0.7403 - val_loss: 1.0590 - val_accuracy: 0.7444
Epoch 15/220

1/750 [.....] - ETA: 0s - loss: 0.9914 - accuracy: 0.7500
72/750 [=>.....] - ETA: 0s - loss: 1.0544 - accuracy: 0.7400
142/750 [====>.....] - ETA: 0s - loss: 1.0622 - accuracy: 0.7371
215/750 [=====>.....] - ETA: 0s - loss: 1.0500 - accuracy: 0.7432
289/750 [=====>.....] - ETA: 0s - loss: 1.0501 - accuracy: 0.7435
359/750 [=====>.....] - ETA: 0s - loss: 1.0463 - accuracy: 0.7454
432/750 [=====>.....] - ETA: 0s - loss: 1.0427 - accuracy: 0.7476
504/750 [=====>.....] - ETA: 0s - loss: 1.0426 - accuracy: 0.7471
575/750 [=====>.....] - ETA: 0s - loss: 1.0402 - accuracy: 0.7475
648/750 [=====>.....] - ETA: 0s - loss: 1.0401 - accuracy: 0.7484
719/750 [=====>..] - ETA: 0s - loss: 1.0393 - accuracy: 0.7485
750/750 [=====] - 1s 850us/step - loss: 1.0391 - accuracy: 0.7488 - val_loss: 1.0367 - val_accuracy: 0.7522
Epoch 16/220

1/750 [.....] - ETA: 0s - loss: 1.0270 - accuracy: 0.7656

71/750 [=>.....] - ETA: 0s - loss: 1.0253 - accuracy: 0.7504
144/750 [====>.....] - ETA: 0s - loss: 1.0296 - accuracy: 0.7488
214/750 [=====>.....] - ETA: 0s - loss: 1.0290 - accuracy: 0.7512
285/750 [=====>.....] - ETA: 0s - loss: 1.0258 - accuracy: 0.7528
359/750 [=====>.....] - ETA: 0s - loss: 1.0262 - accuracy: 0.7530
432/750 [=====>.....] - ETA: 0s - loss: 1.0269 - accuracy: 0.7516
503/750 [=====>.....] - ETA: 0s - loss: 1.0232 - accuracy: 0.7523
576/750 [=====>.....] - ETA: 0s - loss: 1.0233 - accuracy: 0.7520
648/750 [=====>.....] - ETA: 0s - loss: 1.0203 - accuracy: 0.7534
720/750 [=====>..] - ETA: 0s - loss: 1.0191 - accuracy: 0.7542
750/750 [=====>] - 1s 850us/step - loss: 1.0191 - accuracy: 0.7547 - val_loss: 1.0182 - val_accuracy: 0.7578
Epoch 17/220

1/750 [.....] - ETA: 0s - loss: 0.9307 - accuracy: 0.8125
73/750 [=>.....] - ETA: 0s - loss: 0.9894 - accuracy: 0.7669
145/750 [====>.....] - ETA: 0s - loss: 0.9930 - accuracy: 0.7637
218/750 [=====>.....] - ETA: 0s - loss: 0.9999 - accuracy: 0.7615
290/750 [=====>.....] - ETA: 0s - loss: 1.0032 - accuracy: 0.7617
361/750 [=====>.....] - ETA: 0s - loss: 0.9999 - accuracy: 0.7626
434/750 [=====>.....] - ETA: 0s - loss: 1.0010 - accuracy: 0.7635
506/750 [=====>.....] - ETA: 0s - loss: 1.0002 - accuracy: 0.7632
578/750 [=====>.....] - ETA: 0s - loss: 0.9986 - accuracy: 0.7641
650/750 [=====>....] - ETA: 0s - loss: 1.0030 - accuracy: 0.7624
721/750 [=====>..] - ETA: 0s - loss: 1.0025 - accuracy: 0.7621
750/750 [=====>] - 1s 850us/step - loss: 1.0019 - accuracy: 0.7624 - val_loss: 0.9999 - val_accuracy: 0.7653
Epoch 18/220

1/750 [.....] - ETA: 0s - loss: 1.1688 - accuracy: 0.7500
70/750 [=>.....] - ETA: 0s - loss: 0.9755 - accuracy: 0.7748
144/750 [====>.....] - ETA: 0s - loss: 0.9788 - accuracy: 0.7712
214/750 [=====>.....] - ETA: 0s - loss: 0.9919 - accuracy: 0.7661
287/750 [======>.....] - ETA: 0s - loss: 0.9908 - accuracy: 0.7654
356/750 [======>.....] - ETA: 0s - loss: 0.9873 - accuracy: 0.7676
430/750 [======>.....] - ETA: 0s - loss: 0.9823 - accuracy: 0.7698
501/750 [======>.....] - ETA: 0s - loss: 0.9830 - accuracy: 0.7696
571/750 [======>.....] - ETA: 0s - loss: 0.9863 - accuracy: 0.7684
643/750 [======>.....] - ETA: 0s - loss: 0.9859 - accuracy: 0.7688
716/750 [======>..] - ETA: 0s - loss: 0.9843 - accuracy: 0.7699
750/750 [=====] - 1s 856us/step - loss: 0.9857 - accuracy: 0.7693 - val_loss: 0.9875 - val_accuracy: 0.7697
Epoch 19/220

1/750 [.....] - ETA: 0s - loss: 1.1344 - accuracy: 0.7500
69/750 [=>.....] - ETA: 0s - loss: 0.9754 - accuracy: 0.7806
142/750 [====>.....] - ETA: 0s - loss: 0.9752 - accuracy: 0.7727
207/750 [=====>.....] - ETA: 0s - loss: 0.9751 - accuracy: 0.7714
280/750 [======>.....] - ETA: 0s - loss: 0.9725 - accuracy: 0.7748
351/750 [======>.....] - ETA: 0s - loss: 0.9720 - accuracy: 0.7747
424/750 [======>.....] - ETA: 0s - loss: 0.9704 - accuracy: 0.7753
496/750 [======>.....] - ETA: 0s - loss: 0.9739 - accuracy: 0.7736
568/750 [======>.....] - ETA: 0s - loss: 0.9751 - accuracy: 0.7725
640/750 [======>.....] - ETA: 0s - loss: 0.9730 - accuracy: 0.7739
713/750 [======>..] - ETA: 0s - loss: 0.9719 - accuracy: 0.7743
750/750 [=====] - 1s 854us/step - loss: 0.9718 - accuracy: 0.7744 - val_loss: 0.9713 - val_accuracy: 0.7727

Epoch 20/220

```
1/750 [.....] - ETA: 0s - loss: 1.0347 - accuracy:
0.7812
73/750 [=>.....] - ETA: 0s - loss: 0.9659 - accuracy:
0.7798
144/750 [====>.....] - ETA: 0s - loss: 0.9662 - accuracy:
0.7784
216/750 [=====>.....] - ETA: 0s - loss: 0.9668 - accuracy:
0.7790
287/750 [======>.....] - ETA: 0s - loss: 0.9611 - accuracy:
0.7811
357/750 [======>.....] - ETA: 0s - loss: 0.9618 - accuracy:
0.7807
431/750 [======>.....] - ETA: 0s - loss: 0.9585 - accuracy:
0.7795
499/750 [======>.....] - ETA: 0s - loss: 0.9587 - accuracy:
0.7797
572/750 [======>.....] - ETA: 0s - loss: 0.9601 - accuracy:
0.7798
644/750 [======>.....] - ETA: 0s - loss: 0.9598 - accuracy:
0.7804
712/750 [======>..] - ETA: 0s - loss: 0.9590 - accuracy:
0.7807
750/750 [=====] - 1s 860us/step - loss: 0.9590 - accuracy:
0.7807 - val_loss: 0.9612 - val_accuracy: 0.7815
Epoch 21/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.8837 - accuracy:
0.8438
74/750 [=>.....] - ETA: 0s - loss: 0.9450 - accuracy:
0.7840
146/750 [====>.....] - ETA: 0s - loss: 0.9524 - accuracy:
0.7861
217/750 [=====>.....] - ETA: 0s - loss: 0.9485 - accuracy:
0.7873
290/750 [======>.....] - ETA: 0s - loss: 0.9474 - accuracy:
0.7851
361/750 [======>.....] - ETA: 0s - loss: 0.9477 - accuracy:
0.7852
432/750 [======>.....] - ETA: 0s - loss: 0.9446 - accuracy:
0.7862
505/750 [======>.....] - ETA: 0s - loss: 0.9417 - accuracy:
0.7880
577/750 [======>.....] - ETA: 0s - loss: 0.9435 - accuracy:
0.7874
649/750 [======>.....] - ETA: 0s - loss: 0.9463 - accuracy:
0.7866
723/750 [======>..] - ETA: 0s - loss: 0.9473 - accuracy:
0.7863
```

750/750 [=====] - 1s 849us/step - loss: 0.9473 - accuracy: 0.7865 - val_loss: 0.9483 - val_accuracy: 0.7856
Epoch 22/220

1/750 [.....] - ETA: 0s - loss: 0.8150 - accuracy: 0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.9527 - accuracy: 0.7830
142/750 [====>.....] - ETA: 0s - loss: 0.9410 - accuracy: 0.7887
214/750 [=====>.....] - ETA: 0s - loss: 0.9391 - accuracy: 0.7886
283/750 [======>.....] - ETA: 0s - loss: 0.9368 - accuracy: 0.7885
353/750 [======>.....] - ETA: 0s - loss: 0.9385 - accuracy: 0.7886
425/750 [======>.....] - ETA: 0s - loss: 0.9397 - accuracy: 0.7887
498/750 [======>.....] - ETA: 0s - loss: 0.9383 - accuracy: 0.7897
570/750 [======>.....] - ETA: 0s - loss: 0.9398 - accuracy: 0.7894
642/750 [======>.....] - ETA: 0s - loss: 0.9395 - accuracy: 0.7895
715/750 [======>..] - ETA: 0s - loss: 0.9370 - accuracy: 0.7906
750/750 [=====] - 1s 858us/step - loss: 0.9366 - accuracy: 0.7909 - val_loss: 0.9382 - val_accuracy: 0.7892
Epoch 23/220

1/750 [.....] - ETA: 0s - loss: 0.8039 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.9239 - accuracy: 0.7971
146/750 [====>.....] - ETA: 0s - loss: 0.9380 - accuracy: 0.7922
217/750 [=====>.....] - ETA: 0s - loss: 0.9414 - accuracy: 0.7904
287/750 [======>.....] - ETA: 0s - loss: 0.9380 - accuracy: 0.7921
358/750 [======>.....] - ETA: 0s - loss: 0.9385 - accuracy: 0.7921
431/750 [======>.....] - ETA: 0s - loss: 0.9362 - accuracy: 0.7915
502/750 [======>.....] - ETA: 0s - loss: 0.9357 - accuracy: 0.7917
575/750 [======>.....] - ETA: 0s - loss: 0.9335 - accuracy: 0.7923
645/750 [======>.....] - ETA: 0s - loss: 0.9307 - accuracy: 0.7935

715/750 [=====>..] - ETA: 0s - loss: 0.9284 - accuracy:
0.7944
750/750 [=====] - 1s 860us/step - loss: 0.9270 - accuracy:
0.7949 - val_loss: 0.9306 - val_accuracy: 0.7914
Epoch 24/220

1/750 [.....] - ETA: 0s - loss: 0.8505 - accuracy:
0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.9415 - accuracy:
0.7924
143/750 [====>.....] - ETA: 0s - loss: 0.9256 - accuracy:
0.7982
216/750 [=====>.....] - ETA: 0s - loss: 0.9283 - accuracy:
0.7960
289/750 [=====>.....] - ETA: 0s - loss: 0.9242 - accuracy:
0.7975
360/750 [=====>.....] - ETA: 0s - loss: 0.9236 - accuracy:
0.7973
432/750 [=====>.....] - ETA: 0s - loss: 0.9238 - accuracy:
0.7965
505/750 [=====>.....] - ETA: 0s - loss: 0.9210 - accuracy:
0.7977
576/750 [=====>.....] - ETA: 0s - loss: 0.9215 - accuracy:
0.7980
648/750 [=====>.....] - ETA: 0s - loss: 0.9205 - accuracy:
0.7984
720/750 [=====>..] - ETA: 0s - loss: 0.9181 - accuracy:
0.7995
750/750 [=====] - 1s 850us/step - loss: 0.9178 - accuracy:
0.7997 - val_loss: 0.9217 - val_accuracy: 0.7956
Epoch 25/220

1/750 [.....] - ETA: 0s - loss: 1.0088 - accuracy:
0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.8977 - accuracy:
0.8057
146/750 [====>.....] - ETA: 0s - loss: 0.9038 - accuracy:
0.8088
218/750 [=====>.....] - ETA: 0s - loss: 0.9049 - accuracy:
0.8056
287/750 [=====>.....] - ETA: 0s - loss: 0.9033 - accuracy:
0.8064
360/750 [=====>.....] - ETA: 0s - loss: 0.9062 - accuracy:
0.8042
428/750 [=====>.....] - ETA: 0s - loss: 0.9103 - accuracy:
0.8036
499/750 [=====>.....] - ETA: 0s - loss: 0.9119 - accuracy:
0.8024
571/750 [=====>.....] - ETA: 0s - loss: 0.9100 - accuracy:
0.8029

643/750 [=====>.....] - ETA: 0s - loss: 0.9103 - accuracy:
0.8029
715/750 [=====>..] - ETA: 0s - loss: 0.9088 - accuracy:
0.8033
750/750 [=====] - 1s 860us/step - loss: 0.9094 - accuracy:
0.8028 - val_loss: 0.9150 - val_accuracy: 0.7998
Epoch 26/220

1/750 [.....] - ETA: 0s - loss: 0.9914 - accuracy:
0.7500
70/750 [=>.....] - ETA: 0s - loss: 0.9115 - accuracy:
0.8054
140/750 [====>.....] - ETA: 0s - loss: 0.9092 - accuracy:
0.8081
211/750 [=====>.....] - ETA: 0s - loss: 0.9096 - accuracy:
0.8078
282/750 [=====>.....] - ETA: 0s - loss: 0.9118 - accuracy:
0.8051
355/750 [=====>.....] - ETA: 0s - loss: 0.9095 - accuracy:
0.8044
427/750 [=====>.....] - ETA: 0s - loss: 0.9034 - accuracy:
0.8060
498/750 [=====>.....] - ETA: 0s - loss: 0.9022 - accuracy:
0.8058
570/750 [=====>.....] - ETA: 0s - loss: 0.9047 - accuracy:
0.8059
641/750 [=====>.....] - ETA: 0s - loss: 0.9029 - accuracy:
0.8067
711/750 [=====>..] - ETA: 0s - loss: 0.9022 - accuracy:
0.8066
750/750 [=====] - 1s 866us/step - loss: 0.9021 - accuracy:
0.8066 - val_loss: 0.9061 - val_accuracy: 0.8041
Epoch 27/220

1/750 [.....] - ETA: 0s - loss: 0.9092 - accuracy:
0.8438
75/750 [=>.....] - ETA: 0s - loss: 0.8757 - accuracy:
0.8175
146/750 [====>.....] - ETA: 0s - loss: 0.8927 - accuracy:
0.8103
218/750 [=====>.....] - ETA: 0s - loss: 0.8926 - accuracy:
0.8081
291/750 [=====>.....] - ETA: 0s - loss: 0.8957 - accuracy:
0.8075
363/750 [=====>.....] - ETA: 0s - loss: 0.8970 - accuracy:
0.8069
436/750 [=====>.....] - ETA: 0s - loss: 0.8953 - accuracy:
0.8071
508/750 [=====>.....] - ETA: 0s - loss: 0.8952 - accuracy:
0.8073

578/750 [=====>.....] - ETA: 0s - loss: 0.8941 - accuracy: 0.8082
649/750 [=====>.....] - ETA: 0s - loss: 0.8943 - accuracy: 0.8083
721/750 [=====>..] - ETA: 0s - loss: 0.8965 - accuracy: 0.8073
750/750 [=====] - 1s 853us/step - loss: 0.8954 - accuracy: 0.8079 - val_loss: 0.9048 - val_accuracy: 0.8037
Epoch 28/220

1/750 [.....] - ETA: 0s - loss: 0.9061 - accuracy: 0.7344
73/750 [=>.....] - ETA: 0s - loss: 0.8820 - accuracy: 0.8093
144/750 [====>.....] - ETA: 0s - loss: 0.8869 - accuracy: 0.8074
214/750 [=====>.....] - ETA: 0s - loss: 0.8900 - accuracy: 0.8091
287/750 [=====>.....] - ETA: 0s - loss: 0.8892 - accuracy: 0.8092
357/750 [=====>.....] - ETA: 0s - loss: 0.8913 - accuracy: 0.8079
429/750 [=====>.....] - ETA: 0s - loss: 0.8870 - accuracy: 0.8097
492/750 [=====>.....] - ETA: 0s - loss: 0.8886 - accuracy: 0.8092
564/750 [=====>.....] - ETA: 0s - loss: 0.8881 - accuracy: 0.8097
636/750 [=====>.....] - ETA: 0s - loss: 0.8878 - accuracy: 0.8102
708/750 [=====>..] - ETA: 0s - loss: 0.8894 - accuracy: 0.8099
750/750 [=====] - 1s 862us/step - loss: 0.8888 - accuracy: 0.8102 - val_loss: 0.8982 - val_accuracy: 0.8052
Epoch 29/220

1/750 [.....] - ETA: 0s - loss: 0.8682 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.8878 - accuracy: 0.8103
142/750 [====>.....] - ETA: 0s - loss: 0.8744 - accuracy: 0.8164
214/750 [=====>.....] - ETA: 0s - loss: 0.8850 - accuracy: 0.8125
286/750 [=====>.....] - ETA: 0s - loss: 0.8891 - accuracy: 0.8098
357/750 [=====>.....] - ETA: 0s - loss: 0.8888 - accuracy: 0.8086
427/750 [=====>.....] - ETA: 0s - loss: 0.8852 - accuracy: 0.8105

498/750 [=====>.....] - ETA: 0s - loss: 0.8853 - accuracy: 0.8100
570/750 [=====>.....] - ETA: 0s - loss: 0.8830 - accuracy: 0.8107
642/750 [=====>.....] - ETA: 0s - loss: 0.8818 - accuracy: 0.8122
714/750 [=====>..] - ETA: 0s - loss: 0.8830 - accuracy: 0.8120
750/750 [=====] - 1s 858us/step - loss: 0.8826 - accuracy: 0.8123 - val_loss: 0.8901 - val_accuracy: 0.8087
Epoch 30/220

1/750 [.....] - ETA: 0s - loss: 0.7699 - accuracy: 0.8438
69/750 [=>.....] - ETA: 0s - loss: 0.8681 - accuracy: 0.8197
139/750 [====>.....] - ETA: 0s - loss: 0.8850 - accuracy: 0.8122
209/750 [=====>.....] - ETA: 0s - loss: 0.8794 - accuracy: 0.8144
280/750 [=====>.....] - ETA: 0s - loss: 0.8833 - accuracy: 0.8129
351/750 [=====>.....] - ETA: 0s - loss: 0.8810 - accuracy: 0.8128
425/750 [=====>.....] - ETA: 0s - loss: 0.8768 - accuracy: 0.8137
495/750 [=====>.....] - ETA: 0s - loss: 0.8792 - accuracy: 0.8133
568/750 [=====>.....] - ETA: 0s - loss: 0.8776 - accuracy: 0.8143
640/750 [=====>.....] - ETA: 0s - loss: 0.8752 - accuracy: 0.8153
711/750 [=====>..] - ETA: 0s - loss: 0.8761 - accuracy: 0.8151
750/750 [=====] - 1s 861us/step - loss: 0.8766 - accuracy: 0.8151 - val_loss: 0.8803 - val_accuracy: 0.8121
Epoch 31/220

1/750 [.....] - ETA: 0s - loss: 0.9048 - accuracy: 0.7656
74/750 [=>.....] - ETA: 0s - loss: 0.8816 - accuracy: 0.8112
146/750 [====>.....] - ETA: 0s - loss: 0.8743 - accuracy: 0.8151
218/750 [=====>.....] - ETA: 0s - loss: 0.8741 - accuracy: 0.8147
288/750 [=====>.....] - ETA: 0s - loss: 0.8713 - accuracy: 0.8154
361/750 [=====>.....] - ETA: 0s - loss: 0.8691 - accuracy: 0.8168

433/750 [=====>.....] - ETA: 0s - loss: 0.8709 - accuracy: 0.8158
506/750 [=====>.....] - ETA: 0s - loss: 0.8714 - accuracy: 0.8165
571/750 [=====>.....] - ETA: 0s - loss: 0.8701 - accuracy: 0.8171
644/750 [=====>.....] - ETA: 0s - loss: 0.8720 - accuracy: 0.8164
716/750 [=====>..] - ETA: 0s - loss: 0.8719 - accuracy: 0.8159
750/750 [=====] - 1s 853us/step - loss: 0.8713 - accuracy: 0.8163 - val_loss: 0.8787 - val_accuracy: 0.8117
Epoch 32/220

1/750 [.....] - ETA: 0s - loss: 0.8175 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.8797 - accuracy: 0.8095
146/750 [====>.....] - ETA: 0s - loss: 0.8849 - accuracy: 0.8119
217/750 [=====>.....] - ETA: 0s - loss: 0.8824 - accuracy: 0.8112
289/750 [=====>.....] - ETA: 0s - loss: 0.8792 - accuracy: 0.8131
362/750 [=====>.....] - ETA: 0s - loss: 0.8794 - accuracy: 0.8126
433/750 [=====>.....] - ETA: 0s - loss: 0.8745 - accuracy: 0.8151
505/750 [=====>.....] - ETA: 0s - loss: 0.8712 - accuracy: 0.8168
577/750 [=====>.....] - ETA: 0s - loss: 0.8696 - accuracy: 0.8178
648/750 [=====>.....] - ETA: 0s - loss: 0.8685 - accuracy: 0.8184
719/750 [=====>..] - ETA: 0s - loss: 0.8660 - accuracy: 0.8194
750/750 [=====] - 1s 850us/step - loss: 0.8661 - accuracy: 0.8192 - val_loss: 0.8711 - val_accuracy: 0.8148
Epoch 33/220

1/750 [.....] - ETA: 0s - loss: 0.8577 - accuracy: 0.8594
70/750 [=>.....] - ETA: 0s - loss: 0.8692 - accuracy: 0.8154
142/750 [====>.....] - ETA: 0s - loss: 0.8607 - accuracy: 0.8212
207/750 [=====>.....] - ETA: 0s - loss: 0.8559 - accuracy: 0.8237
280/750 [=====>.....] - ETA: 0s - loss: 0.8568 - accuracy: 0.8219

350/750 [=====>.....] - ETA: 0s - loss: 0.8598 - accuracy: 0.8208
422/750 [=====>.....] - ETA: 0s - loss: 0.8582 - accuracy: 0.8221
495/750 [=====>.....] - ETA: 0s - loss: 0.8606 - accuracy: 0.8216
568/750 [=====>.....] - ETA: 0s - loss: 0.8593 - accuracy: 0.8220
638/750 [=====>.....] - ETA: 0s - loss: 0.8580 - accuracy: 0.8227
711/750 [=====>..] - ETA: 0s - loss: 0.8595 - accuracy: 0.8218
750/750 [=====] - 1s 860us/step - loss: 0.8615 - accuracy: 0.8211 - val_loss: 0.8687 - val_accuracy: 0.8192
Epoch 34/220

1/750 [.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.8572 - accuracy: 0.8253
144/750 [====>.....] - ETA: 0s - loss: 0.8571 - accuracy: 0.8241
217/750 [=====>.....] - ETA: 0s - loss: 0.8569 - accuracy: 0.8252
287/750 [=====>.....] - ETA: 0s - loss: 0.8581 - accuracy: 0.8246
359/750 [=====>.....] - ETA: 0s - loss: 0.8590 - accuracy: 0.8212
431/750 [=====>.....] - ETA: 0s - loss: 0.8587 - accuracy: 0.8216
502/750 [=====>.....] - ETA: 0s - loss: 0.8566 - accuracy: 0.8211
573/750 [=====>.....] - ETA: 0s - loss: 0.8587 - accuracy: 0.8206
645/750 [=====>.....] - ETA: 0s - loss: 0.8586 - accuracy: 0.8200
709/750 [=====>..] - ETA: 0s - loss: 0.8578 - accuracy: 0.8209
750/750 [=====] - 1s 861us/step - loss: 0.8568 - accuracy: 0.8214 - val_loss: 0.8616 - val_accuracy: 0.8197
Epoch 35/220

1/750 [.....] - ETA: 0s - loss: 0.7168 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.8674 - accuracy: 0.8170
145/750 [====>.....] - ETA: 0s - loss: 0.8571 - accuracy: 0.8212
218/750 [=====>.....] - ETA: 0s - loss: 0.8561 - accuracy: 0.8227

289/750 [=====>.....] - ETA: 0s - loss: 0.8576 - accuracy: 0.8221
362/750 [=====>.....] - ETA: 0s - loss: 0.8566 - accuracy: 0.8218
433/750 [=====>.....] - ETA: 0s - loss: 0.8561 - accuracy: 0.8220
504/750 [=====>.....] - ETA: 0s - loss: 0.8516 - accuracy: 0.8233
576/750 [=====>.....] - ETA: 0s - loss: 0.8489 - accuracy: 0.8241
649/750 [=====>.....] - ETA: 0s - loss: 0.8492 - accuracy: 0.8246
722/750 [=====>..] - ETA: 0s - loss: 0.8521 - accuracy: 0.8232
750/750 [=====] - 1s 853us/step - loss: 0.8521 - accuracy: 0.8235 - val_loss: 0.8613 - val_accuracy: 0.8198
Epoch 36/220

1/750 [.....] - ETA: 0s - loss: 0.7723 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.8511 - accuracy: 0.8196
145/750 [===>.....] - ETA: 0s - loss: 0.8439 - accuracy: 0.8230
216/750 [=====>.....] - ETA: 0s - loss: 0.8443 - accuracy: 0.8240
281/750 [=====>.....] - ETA: 0s - loss: 0.8462 - accuracy: 0.8241
354/750 [=====>.....] - ETA: 0s - loss: 0.8478 - accuracy: 0.8229
425/750 [=====>.....] - ETA: 0s - loss: 0.8460 - accuracy: 0.8241
496/750 [=====>.....] - ETA: 0s - loss: 0.8462 - accuracy: 0.8249
568/750 [=====>.....] - ETA: 0s - loss: 0.8456 - accuracy: 0.8255
640/750 [=====>.....] - ETA: 0s - loss: 0.8473 - accuracy: 0.8249
710/750 [=====>..] - ETA: 0s - loss: 0.8496 - accuracy: 0.8242
750/750 [=====] - 1s 862us/step - loss: 0.8481 - accuracy: 0.8247 - val_loss: 0.8572 - val_accuracy: 0.8199
Epoch 37/220

1/750 [.....] - ETA: 0s - loss: 0.9153 - accuracy: 0.7812
71/750 [=>.....] - ETA: 0s - loss: 0.8404 - accuracy: 0.8292
142/750 [===>.....] - ETA: 0s - loss: 0.8307 - accuracy: 0.8320

214/750 [=====>.....] - ETA: 0s - loss: 0.8392 - accuracy: 0.8289
287/750 [=====>.....] - ETA: 0s - loss: 0.8434 - accuracy: 0.8281
359/750 [=====>.....] - ETA: 0s - loss: 0.8408 - accuracy: 0.8293
429/750 [=====>.....] - ETA: 0s - loss: 0.8380 - accuracy: 0.8302
500/750 [=====>.....] - ETA: 0s - loss: 0.8414 - accuracy: 0.8278
572/750 [=====>.....] - ETA: 0s - loss: 0.8437 - accuracy: 0.8271
644/750 [=====>.....] - ETA: 0s - loss: 0.8439 - accuracy: 0.8270
714/750 [=====>..] - ETA: 0s - loss: 0.8442 - accuracy: 0.8266
750/750 [=====>.....] - 1s 858us/step - loss: 0.8436 - accuracy: 0.8267 - val_loss: 0.8511 - val_accuracy: 0.8211
Epoch 38/220

1/750 [.....] - ETA: 0s - loss: 0.8183 - accuracy: 0.8438
71/750 [=>.....] - ETA: 0s - loss: 0.8313 - accuracy: 0.8288
143/750 [=====>.....] - ETA: 0s - loss: 0.8308 - accuracy: 0.8292
214/750 [=====>.....] - ETA: 0s - loss: 0.8335 - accuracy: 0.8302
287/750 [=====>.....] - ETA: 0s - loss: 0.8349 - accuracy: 0.8313
358/750 [=====>.....] - ETA: 0s - loss: 0.8353 - accuracy: 0.8312
429/750 [=====>.....] - ETA: 0s - loss: 0.8425 - accuracy: 0.8274
502/750 [=====>.....] - ETA: 0s - loss: 0.8442 - accuracy: 0.8266
571/750 [=====>.....] - ETA: 0s - loss: 0.8411 - accuracy: 0.8273
642/750 [=====>.....] - ETA: 0s - loss: 0.8415 - accuracy: 0.8266
715/750 [=====>..] - ETA: 0s - loss: 0.8403 - accuracy: 0.8267
750/750 [=====>.....] - 1s 854us/step - loss: 0.8400 - accuracy: 0.8267 - val_loss: 0.8483 - val_accuracy: 0.8238
Epoch 39/220

1/750 [.....] - ETA: 0s - loss: 0.7736 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.8357 - accuracy: 0.8303

144/750 [====>.....] - ETA: 0s - loss: 0.8412 - accuracy: 0.8300
213/750 [=====>.....] - ETA: 0s - loss: 0.8423 - accuracy: 0.8281
284/750 [=====>.....] - ETA: 0s - loss: 0.8404 - accuracy: 0.8280
354/750 [=====>.....] - ETA: 0s - loss: 0.8390 - accuracy: 0.8260
421/750 [=====>.....] - ETA: 0s - loss: 0.8379 - accuracy: 0.8269
489/750 [=====>.....] - ETA: 0s - loss: 0.8361 - accuracy: 0.8276
563/750 [=====>.....] - ETA: 0s - loss: 0.8350 - accuracy: 0.8290
633/750 [=====>.....] - ETA: 0s - loss: 0.8363 - accuracy: 0.8278
704/750 [=====>..] - ETA: 0s - loss: 0.8370 - accuracy: 0.8274
750/750 [=====] - 1s 870us/step - loss: 0.8359 - accuracy: 0.8278 - val_loss: 0.8451 - val_accuracy: 0.8239
Epoch 40/220

1/750 [.....] - ETA: 0s - loss: 0.7344 - accuracy: 0.8594
69/750 [=>.....] - ETA: 0s - loss: 0.8323 - accuracy: 0.8320
138/750 [====>.....] - ETA: 0s - loss: 0.8274 - accuracy: 0.8310
208/750 [=====>.....] - ETA: 0s - loss: 0.8303 - accuracy: 0.8305
278/750 [=====>.....] - ETA: 0s - loss: 0.8329 - accuracy: 0.8308
349/750 [=====>.....] - ETA: 0s - loss: 0.8322 - accuracy: 0.8307
418/750 [=====>.....] - ETA: 0s - loss: 0.8341 - accuracy: 0.8307
487/750 [=====>.....] - ETA: 0s - loss: 0.8340 - accuracy: 0.8306
557/750 [=====>.....] - ETA: 0s - loss: 0.8314 - accuracy: 0.8318
627/750 [=====>.....] - ETA: 0s - loss: 0.8305 - accuracy: 0.8323
697/750 [=====>...] - ETA: 0s - loss: 0.8314 - accuracy: 0.8315
750/750 [=====] - 1s 885us/step - loss: 0.8325 - accuracy: 0.8307 - val_loss: 0.8413 - val_accuracy: 0.8273
Epoch 41/220

1/750 [.....] - ETA: 0s - loss: 0.9104 - accuracy: 0.7656

75/750 [==>.....] - ETA: 0s - loss: 0.8299 - accuracy: 0.8346
144/750 [====>.....] - ETA: 0s - loss: 0.8356 - accuracy: 0.8288
216/750 [=====>.....] - ETA: 0s - loss: 0.8220 - accuracy: 0.8343
289/750 [======>.....] - ETA: 0s - loss: 0.8278 - accuracy: 0.8326
360/750 [======>.....] - ETA: 0s - loss: 0.8249 - accuracy: 0.8339
428/750 [======>.....] - ETA: 0s - loss: 0.8260 - accuracy: 0.8328
499/750 [======>.....] - ETA: 0s - loss: 0.8281 - accuracy: 0.8334
569/750 [======>.....] - ETA: 0s - loss: 0.8279 - accuracy: 0.8336
639/750 [======>.....] - ETA: 0s - loss: 0.8261 - accuracy: 0.8335
711/750 [======>..] - ETA: 0s - loss: 0.8282 - accuracy: 0.8325
750/750 [=====] - 1s 862us/step - loss: 0.8286 - accuracy: 0.8319 - val_loss: 0.8372 - val_accuracy: 0.8260
Epoch 42/220

1/750 [.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.8222 - accuracy: 0.8349
143/750 [====>.....] - ETA: 0s - loss: 0.8152 - accuracy: 0.8353
214/750 [=====>.....] - ETA: 0s - loss: 0.8170 - accuracy: 0.8360
285/750 [======>.....] - ETA: 0s - loss: 0.8157 - accuracy: 0.8366
356/750 [======>.....] - ETA: 0s - loss: 0.8193 - accuracy: 0.8330
420/750 [======>.....] - ETA: 0s - loss: 0.8227 - accuracy: 0.8319
490/750 [======>.....] - ETA: 0s - loss: 0.8205 - accuracy: 0.8324
560/750 [======>.....] - ETA: 0s - loss: 0.8214 - accuracy: 0.8332
630/750 [======>.....] - ETA: 0s - loss: 0.8208 - accuracy: 0.8335
703/750 [======>..] - ETA: 0s - loss: 0.8246 - accuracy: 0.8322
750/750 [=====] - 1s 876us/step - loss: 0.8254 - accuracy: 0.8320 - val_loss: 0.8347 - val_accuracy: 0.8273
Epoch 43/220

1/750 [.....] - ETA: 0s - loss: 0.7983 - accuracy: 0.7969
69/750 [=>.....] - ETA: 0s - loss: 0.8159 - accuracy: 0.8356
138/750 [====>.....] - ETA: 0s - loss: 0.8288 - accuracy: 0.8321
207/750 [=====>.....] - ETA: 0s - loss: 0.8276 - accuracy: 0.8321
275/750 [======>.....] - ETA: 0s - loss: 0.8279 - accuracy: 0.8311
344/750 [======>.....] - ETA: 0s - loss: 0.8264 - accuracy: 0.8314
412/750 [======>.....] - ETA: 0s - loss: 0.8239 - accuracy: 0.8329
479/750 [======>.....] - ETA: 0s - loss: 0.8238 - accuracy: 0.8332
547/750 [======>.....] - ETA: 0s - loss: 0.8224 - accuracy: 0.8331
615/750 [======>.....] - ETA: 0s - loss: 0.8224 - accuracy: 0.8328
683/750 [======>...] - ETA: 0s - loss: 0.8230 - accuracy: 0.8327
750/750 [=====] - 1s 904us/step - loss: 0.8222 - accuracy: 0.8328 - val_loss: 0.8320 - val_accuracy: 0.8280
Epoch 44/220

1/750 [.....] - ETA: 0s - loss: 0.9080 - accuracy: 0.8125
70/750 [=>.....] - ETA: 0s - loss: 0.8230 - accuracy: 0.8342
139/750 [====>.....] - ETA: 0s - loss: 0.8206 - accuracy: 0.8337
212/750 [=====>.....] - ETA: 0s - loss: 0.8220 - accuracy: 0.8325
282/750 [======>.....] - ETA: 0s - loss: 0.8175 - accuracy: 0.8359
354/750 [======>.....] - ETA: 0s - loss: 0.8145 - accuracy: 0.8369
426/750 [======>.....] - ETA: 0s - loss: 0.8157 - accuracy: 0.8364
496/750 [======>.....] - ETA: 0s - loss: 0.8153 - accuracy: 0.8362
566/750 [======>.....] - ETA: 0s - loss: 0.8157 - accuracy: 0.8352
636/750 [======>.....] - ETA: 0s - loss: 0.8178 - accuracy: 0.8344
707/750 [======>...] - ETA: 0s - loss: 0.8171 - accuracy: 0.8344
750/750 [=====] - 1s 865us/step - loss: 0.8183 - accuracy: 0.8339 - val_loss: 0.8303 - val_accuracy: 0.8251

Epoch 45/220

```
1/750 [.....] - ETA: 0s - loss: 0.9177 - accuracy:
0.7500
70/750 [=>.....] - ETA: 0s - loss: 0.8131 - accuracy:
0.8330
142/750 [====>.....] - ETA: 0s - loss: 0.8144 - accuracy:
0.8325
214/750 [=====>.....] - ETA: 0s - loss: 0.8176 - accuracy:
0.8342
283/750 [======>.....] - ETA: 0s - loss: 0.8191 - accuracy:
0.8349
355/750 [======>.....] - ETA: 0s - loss: 0.8225 - accuracy:
0.8331
424/750 [======>.....] - ETA: 0s - loss: 0.8199 - accuracy:
0.8345
489/750 [======>.....] - ETA: 0s - loss: 0.8184 - accuracy:
0.8341
551/750 [======>.....] - ETA: 0s - loss: 0.8169 - accuracy:
0.8348
617/750 [======>.....] - ETA: 0s - loss: 0.8168 - accuracy:
0.8346
684/750 [======>...] - ETA: 0s - loss: 0.8156 - accuracy:
0.8350
750/750 [=====] - 1s 884us/step - loss: 0.8152 - accuracy:
0.8353 - val_loss: 0.8252 - val_accuracy: 0.8308
Epoch 46/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7283 - accuracy:
0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.8036 - accuracy:
0.8405
144/750 [====>.....] - ETA: 0s - loss: 0.8086 - accuracy:
0.8380
216/750 [=====>.....] - ETA: 0s - loss: 0.8081 - accuracy:
0.8401
288/750 [======>.....] - ETA: 0s - loss: 0.8062 - accuracy:
0.8402
358/750 [======>.....] - ETA: 0s - loss: 0.8079 - accuracy:
0.8393
432/750 [======>.....] - ETA: 0s - loss: 0.8112 - accuracy:
0.8376
503/750 [======>.....] - ETA: 0s - loss: 0.8107 - accuracy:
0.8372
574/750 [======>.....] - ETA: 0s - loss: 0.8122 - accuracy:
0.8366
648/750 [======>.....] - ETA: 0s - loss: 0.8114 - accuracy:
0.8369
719/750 [======>..] - ETA: 0s - loss: 0.8119 - accuracy:
0.8366
```

750/750 [=====] - 1s 853us/step - loss: 0.8120 - accuracy:
0.8366 - val_loss: 0.8229 - val_accuracy: 0.8307
Epoch 47/220

1/750 [.....] - ETA: 0s - loss: 0.7824 - accuracy:
0.8750
69/750 [=>.....] - ETA: 0s - loss: 0.8232 - accuracy:
0.8313
140/750 [====>.....] - ETA: 0s - loss: 0.8151 - accuracy:
0.8326
209/750 [=====>.....] - ETA: 0s - loss: 0.8141 - accuracy:
0.8344
279/750 [======>.....] - ETA: 0s - loss: 0.8102 - accuracy:
0.8373
352/750 [======>.....] - ETA: 0s - loss: 0.8079 - accuracy:
0.8374
422/750 [======>.....] - ETA: 0s - loss: 0.8068 - accuracy:
0.8375
494/750 [======>.....] - ETA: 0s - loss: 0.8051 - accuracy:
0.8382
565/750 [======>.....] - ETA: 0s - loss: 0.8084 - accuracy:
0.8372
635/750 [======>.....] - ETA: 0s - loss: 0.8069 - accuracy:
0.8377
707/750 [======>..] - ETA: 0s - loss: 0.8076 - accuracy:
0.8369
750/750 [=====] - 1s 864us/step - loss: 0.8087 - accuracy:
0.8365 - val_loss: 0.8224 - val_accuracy: 0.8313
Epoch 48/220

1/750 [.....] - ETA: 0s - loss: 0.7294 - accuracy:
0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.8230 - accuracy:
0.8288
143/750 [====>.....] - ETA: 0s - loss: 0.8055 - accuracy:
0.8356
216/750 [=====>.....] - ETA: 0s - loss: 0.8065 - accuracy:
0.8358
285/750 [======>.....] - ETA: 0s - loss: 0.8016 - accuracy:
0.8378
357/750 [======>.....] - ETA: 0s - loss: 0.8042 - accuracy:
0.8364
426/750 [======>.....] - ETA: 0s - loss: 0.8036 - accuracy:
0.8385
495/750 [======>.....] - ETA: 0s - loss: 0.8052 - accuracy:
0.8383
564/750 [======>.....] - ETA: 0s - loss: 0.8062 - accuracy:
0.8373
633/750 [======>.....] - ETA: 0s - loss: 0.8052 - accuracy:
0.8379

705/750 [=====>..] - ETA: 0s - loss: 0.8063 - accuracy:
0.8374
750/750 [=====] - 1s 868us/step - loss: 0.8057 - accuracy:
0.8375 - val_loss: 0.8182 - val_accuracy: 0.8310
Epoch 49/220

1/750 [.....] - ETA: 0s - loss: 0.6781 - accuracy:
0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.7895 - accuracy:
0.8440
144/750 [====>.....] - ETA: 0s - loss: 0.8003 - accuracy:
0.8402
215/750 [=====>.....] - ETA: 0s - loss: 0.7941 - accuracy:
0.8410
286/750 [======>.....] - ETA: 0s - loss: 0.7930 - accuracy:
0.8409
359/750 [======>.....] - ETA: 0s - loss: 0.7957 - accuracy:
0.8404
432/750 [======>.....] - ETA: 0s - loss: 0.7972 - accuracy:
0.8398
502/750 [======>.....] - ETA: 0s - loss: 0.8006 - accuracy:
0.8382
574/750 [======>.....] - ETA: 0s - loss: 0.8005 - accuracy:
0.8387
648/750 [======>.....] - ETA: 0s - loss: 0.8001 - accuracy:
0.8388
719/750 [======>..] - ETA: 0s - loss: 0.8020 - accuracy:
0.8379
750/750 [=====] - 1s 853us/step - loss: 0.8023 - accuracy:
0.8380 - val_loss: 0.8176 - val_accuracy: 0.8294
Epoch 50/220

1/750 [.....] - ETA: 0s - loss: 0.9002 - accuracy:
0.7656
73/750 [=>.....] - ETA: 0s - loss: 0.8034 - accuracy:
0.8429
139/750 [====>.....] - ETA: 0s - loss: 0.7997 - accuracy:
0.8429
209/750 [=====>.....] - ETA: 0s - loss: 0.8002 - accuracy:
0.8417
280/750 [======>.....] - ETA: 0s - loss: 0.7969 - accuracy:
0.8425
351/750 [======>.....] - ETA: 0s - loss: 0.7989 - accuracy:
0.8411
423/750 [======>.....] - ETA: 0s - loss: 0.7980 - accuracy:
0.8410
493/750 [======>.....] - ETA: 0s - loss: 0.7981 - accuracy:
0.8404
565/750 [======>.....] - ETA: 0s - loss: 0.7992 - accuracy:
0.8397

636/750 [=====>.....] - ETA: 0s - loss: 0.7999 - accuracy:
0.8399
708/750 [=====>..] - ETA: 0s - loss: 0.8014 - accuracy:
0.8391
750/750 [=====] - 1s 868us/step - loss: 0.7996 - accuracy:
0.8397 - val_loss: 0.8116 - val_accuracy: 0.8355
Epoch 51/220

1/750 [.....] - ETA: 0s - loss: 0.6526 - accuracy:
0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.8019 - accuracy:
0.8365
141/750 [====>.....] - ETA: 0s - loss: 0.7995 - accuracy:
0.8371
213/750 [=====>.....] - ETA: 0s - loss: 0.8002 - accuracy:
0.8358
284/750 [=====>.....] - ETA: 0s - loss: 0.7962 - accuracy:
0.8390
356/750 [=====>.....] - ETA: 0s - loss: 0.7977 - accuracy:
0.8378
426/750 [=====>.....] - ETA: 0s - loss: 0.7972 - accuracy:
0.8384
497/750 [=====>.....] - ETA: 0s - loss: 0.7966 - accuracy:
0.8389
570/750 [=====>.....] - ETA: 0s - loss: 0.7970 - accuracy:
0.8391
635/750 [=====>.....] - ETA: 0s - loss: 0.7971 - accuracy:
0.8386
704/750 [=====>..] - ETA: 0s - loss: 0.7973 - accuracy:
0.8390
750/750 [=====] - 1s 872us/step - loss: 0.7968 - accuracy:
0.8395 - val_loss: 0.8108 - val_accuracy: 0.8338
Epoch 52/220

1/750 [.....] - ETA: 0s - loss: 0.6714 - accuracy:
0.8750
69/750 [=>.....] - ETA: 0s - loss: 0.8031 - accuracy:
0.8399
137/750 [====>.....] - ETA: 0s - loss: 0.7996 - accuracy:
0.8379
207/750 [=====>.....] - ETA: 0s - loss: 0.7947 - accuracy:
0.8431
275/750 [=====>.....] - ETA: 0s - loss: 0.7980 - accuracy:
0.8413
346/750 [=====>.....] - ETA: 0s - loss: 0.8014 - accuracy:
0.8399
416/750 [=====>.....] - ETA: 0s - loss: 0.8000 - accuracy:
0.8402
485/750 [=====>.....] - ETA: 0s - loss: 0.7974 - accuracy:
0.8413

554/750 [=====>.....] - ETA: 0s - loss: 0.7970 - accuracy: 0.8418
624/750 [=====>.....] - ETA: 0s - loss: 0.7945 - accuracy: 0.8425
692/750 [=====>...] - ETA: 0s - loss: 0.7937 - accuracy: 0.8428
750/750 [=====] - 1s 884us/step - loss: 0.7939 - accuracy: 0.8424 - val_loss: 0.8077 - val_accuracy: 0.8345
Epoch 53/220

1/750 [.....] - ETA: 0s - loss: 0.7148 - accuracy: 0.8750
69/750 [=>.....] - ETA: 0s - loss: 0.7964 - accuracy: 0.8351
132/750 [====>.....] - ETA: 0s - loss: 0.7973 - accuracy: 0.8362
200/750 [=====>.....] - ETA: 0s - loss: 0.7882 - accuracy: 0.8402
271/750 [=====>.....] - ETA: 0s - loss: 0.7896 - accuracy: 0.8417
341/750 [=====>.....] - ETA: 0s - loss: 0.7873 - accuracy: 0.8433
412/750 [=====>.....] - ETA: 0s - loss: 0.7851 - accuracy: 0.8444
484/750 [=====>.....] - ETA: 0s - loss: 0.7872 - accuracy: 0.8436
554/750 [=====>.....] - ETA: 0s - loss: 0.7901 - accuracy: 0.8429
627/750 [=====>.....] - ETA: 0s - loss: 0.7909 - accuracy: 0.8422
696/750 [=====>...] - ETA: 0s - loss: 0.7910 - accuracy: 0.8418
750/750 [=====] - 1s 874us/step - loss: 0.7907 - accuracy: 0.8424 - val_loss: 0.8104 - val_accuracy: 0.8331
Epoch 54/220

1/750 [.....] - ETA: 0s - loss: 0.7228 - accuracy: 0.8594
70/750 [=>.....] - ETA: 0s - loss: 0.7804 - accuracy: 0.8446
143/750 [====>.....] - ETA: 0s - loss: 0.7822 - accuracy: 0.8464
215/750 [=====>.....] - ETA: 0s - loss: 0.7800 - accuracy: 0.8468
287/750 [=====>.....] - ETA: 0s - loss: 0.7791 - accuracy: 0.8455
357/750 [=====>.....] - ETA: 0s - loss: 0.7836 - accuracy: 0.8438
427/750 [=====>.....] - ETA: 0s - loss: 0.7840 - accuracy: 0.8439

498/750 [=====>.....] - ETA: 0s - loss: 0.7848 - accuracy: 0.8441
568/750 [=====>.....] - ETA: 0s - loss: 0.7861 - accuracy: 0.8435
633/750 [=====>.....] - ETA: 0s - loss: 0.7864 - accuracy: 0.8429
706/750 [=====>..] - ETA: 0s - loss: 0.7870 - accuracy: 0.8424
750/750 [=====] - 1s 862us/step - loss: 0.7881 - accuracy: 0.8424 - val_loss: 0.8009 - val_accuracy: 0.8351
Epoch 55/220

1/750 [.....] - ETA: 0s - loss: 0.8882 - accuracy: 0.8594
70/750 [=>.....] - ETA: 0s - loss: 0.7886 - accuracy: 0.8404
142/750 [====>.....] - ETA: 0s - loss: 0.7860 - accuracy: 0.8413
216/750 [=====>.....] - ETA: 0s - loss: 0.7859 - accuracy: 0.8413
287/750 [=====>.....] - ETA: 0s - loss: 0.7882 - accuracy: 0.8415
358/750 [=====>.....] - ETA: 0s - loss: 0.7872 - accuracy: 0.8438
429/750 [=====>.....] - ETA: 0s - loss: 0.7858 - accuracy: 0.8430
501/750 [=====>.....] - ETA: 0s - loss: 0.7843 - accuracy: 0.8444
572/750 [=====>.....] - ETA: 0s - loss: 0.7821 - accuracy: 0.8450
643/750 [=====>.....] - ETA: 0s - loss: 0.7853 - accuracy: 0.8441
714/750 [=====>..] - ETA: 0s - loss: 0.7861 - accuracy: 0.8436
750/750 [=====] - 1s 857us/step - loss: 0.7856 - accuracy: 0.8439 - val_loss: 0.7989 - val_accuracy: 0.8363
Epoch 56/220

1/750 [.....] - ETA: 0s - loss: 0.7978 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.7760 - accuracy: 0.8463
143/750 [====>.....] - ETA: 0s - loss: 0.7821 - accuracy: 0.8447
212/750 [=====>.....] - ETA: 0s - loss: 0.7828 - accuracy: 0.8429
284/750 [=====>.....] - ETA: 0s - loss: 0.7789 - accuracy: 0.8443
350/750 [=====>.....] - ETA: 0s - loss: 0.7807 - accuracy: 0.8441

420/750 [=====>.....] - ETA: 0s - loss: 0.7821 - accuracy: 0.8433
491/750 [=====>.....] - ETA: 0s - loss: 0.7800 - accuracy: 0.8445
561/750 [=====>.....] - ETA: 0s - loss: 0.7808 - accuracy: 0.8434
632/750 [=====>.....] - ETA: 0s - loss: 0.7805 - accuracy: 0.8440
704/750 [=====>..] - ETA: 0s - loss: 0.7824 - accuracy: 0.8441
750/750 [=====] - 1s 872us/step - loss: 0.7827 - accuracy: 0.8438 - val_loss: 0.7961 - val_accuracy: 0.8377
Epoch 57/220

1/750 [.....] - ETA: 0s - loss: 0.6806 - accuracy: 0.8906
71/750 [=>.....] - ETA: 0s - loss: 0.7816 - accuracy: 0.8407
143/750 [====>.....] - ETA: 0s - loss: 0.7705 - accuracy: 0.8447
215/750 [=====>.....] - ETA: 0s - loss: 0.7839 - accuracy: 0.8413
287/750 [=====>.....] - ETA: 0s - loss: 0.7812 - accuracy: 0.8420
359/750 [=====>.....] - ETA: 0s - loss: 0.7824 - accuracy: 0.8430
430/750 [=====>.....] - ETA: 0s - loss: 0.7847 - accuracy: 0.8429
502/750 [=====>.....] - ETA: 0s - loss: 0.7822 - accuracy: 0.8443
574/750 [=====>.....] - ETA: 0s - loss: 0.7826 - accuracy: 0.8450
644/750 [=====>.....] - ETA: 0s - loss: 0.7799 - accuracy: 0.8456
712/750 [=====>..] - ETA: 0s - loss: 0.7800 - accuracy: 0.8457
750/750 [=====] - 1s 858us/step - loss: 0.7801 - accuracy: 0.8456 - val_loss: 0.7959 - val_accuracy: 0.8362
Epoch 58/220

1/750 [.....] - ETA: 0s - loss: 0.8546 - accuracy: 0.8281
70/750 [=>.....] - ETA: 0s - loss: 0.7835 - accuracy: 0.8406
141/750 [====>.....] - ETA: 0s - loss: 0.7866 - accuracy: 0.8419
215/750 [=====>.....] - ETA: 0s - loss: 0.7854 - accuracy: 0.8415
288/750 [=====>.....] - ETA: 0s - loss: 0.7840 - accuracy: 0.8412

359/750 [=====>.....] - ETA: 0s - loss: 0.7797 - accuracy: 0.8426
432/750 [=====>.....] - ETA: 0s - loss: 0.7769 - accuracy: 0.8445
505/750 [=====>.....] - ETA: 0s - loss: 0.7785 - accuracy: 0.8441
577/750 [=====>.....] - ETA: 0s - loss: 0.7789 - accuracy: 0.8442
648/750 [=====>.....] - ETA: 0s - loss: 0.7788 - accuracy: 0.8443
721/750 [=====>..] - ETA: 0s - loss: 0.7779 - accuracy: 0.8446
750/750 [=====] - 1s 846us/step - loss: 0.7776 - accuracy: 0.8448 - val_loss: 0.7931 - val_accuracy: 0.8379
Epoch 59/220

1/750 [.....] - ETA: 0s - loss: 0.8666 - accuracy: 0.7656
74/750 [=>.....] - ETA: 0s - loss: 0.7776 - accuracy: 0.8469
144/750 [====>.....] - ETA: 0s - loss: 0.7830 - accuracy: 0.8451
216/750 [=====>.....] - ETA: 0s - loss: 0.7814 - accuracy: 0.8452
288/750 [=====>.....] - ETA: 0s - loss: 0.7787 - accuracy: 0.8461
357/750 [=====>.....] - ETA: 0s - loss: 0.7768 - accuracy: 0.8469
429/750 [=====>.....] - ETA: 0s - loss: 0.7777 - accuracy: 0.8460
501/750 [=====>.....] - ETA: 0s - loss: 0.7793 - accuracy: 0.8454
572/750 [=====>.....] - ETA: 0s - loss: 0.7788 - accuracy: 0.8448
645/750 [=====>.....] - ETA: 0s - loss: 0.7783 - accuracy: 0.8448
715/750 [=====>..] - ETA: 0s - loss: 0.7761 - accuracy: 0.8458
750/750 [=====] - 1s 854us/step - loss: 0.7746 - accuracy: 0.8462 - val_loss: 0.7898 - val_accuracy: 0.8397
Epoch 60/220

1/750 [.....] - ETA: 0s - loss: 0.8132 - accuracy: 0.7656
71/750 [=>.....] - ETA: 0s - loss: 0.7728 - accuracy: 0.8431
143/750 [====>.....] - ETA: 0s - loss: 0.7673 - accuracy: 0.8471
215/750 [=====>.....] - ETA: 0s - loss: 0.7723 - accuracy: 0.8471

286/750 [=====>.....] - ETA: 0s - loss: 0.7758 - accuracy: 0.8456
358/750 [=====>.....] - ETA: 0s - loss: 0.7748 - accuracy: 0.8459
430/750 [=====>.....] - ETA: 0s - loss: 0.7760 - accuracy: 0.8463
504/750 [=====>.....] - ETA: 0s - loss: 0.7768 - accuracy: 0.8465
575/750 [=====>.....] - ETA: 0s - loss: 0.7760 - accuracy: 0.8457
647/750 [=====>.....] - ETA: 0s - loss: 0.7743 - accuracy: 0.8461
719/750 [=====>..] - ETA: 0s - loss: 0.7741 - accuracy: 0.8461
750/750 [=====] - 1s 856us/step - loss: 0.7724 - accuracy: 0.8466 - val_loss: 0.7887 - val_accuracy: 0.8380
Epoch 61/220

1/750 [.....] - ETA: 0s - loss: 0.5997 - accuracy: 0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.7652 - accuracy: 0.8526
142/750 [===>.....] - ETA: 0s - loss: 0.7600 - accuracy: 0.8539
214/750 [=====>.....] - ETA: 0s - loss: 0.7617 - accuracy: 0.8543
285/750 [=====>.....] - ETA: 0s - loss: 0.7661 - accuracy: 0.8532
358/750 [=====>.....] - ETA: 0s - loss: 0.7669 - accuracy: 0.8517
433/750 [=====>.....] - ETA: 0s - loss: 0.7728 - accuracy: 0.8492
504/750 [=====>.....] - ETA: 0s - loss: 0.7758 - accuracy: 0.8481
574/750 [=====>.....] - ETA: 0s - loss: 0.7737 - accuracy: 0.8486
648/750 [=====>.....] - ETA: 0s - loss: 0.7708 - accuracy: 0.8491
720/750 [=====>..] - ETA: 0s - loss: 0.7695 - accuracy: 0.8488
750/750 [=====] - 1s 850us/step - loss: 0.7698 - accuracy: 0.8482 - val_loss: 0.7852 - val_accuracy: 0.8400
Epoch 62/220

1/750 [.....] - ETA: 0s - loss: 0.7405 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.7727 - accuracy: 0.8470
147/750 [===>.....] - ETA: 0s - loss: 0.7718 - accuracy: 0.8435

219/750 [=====>.....] - ETA: 0s - loss: 0.7701 - accuracy: 0.8446
291/750 [=====>.....] - ETA: 0s - loss: 0.7706 - accuracy: 0.8454
364/750 [=====>.....] - ETA: 0s - loss: 0.7700 - accuracy: 0.8463
432/750 [=====>.....] - ETA: 0s - loss: 0.7711 - accuracy: 0.8458
504/750 [=====>.....] - ETA: 0s - loss: 0.7670 - accuracy: 0.8476
574/750 [=====>.....] - ETA: 0s - loss: 0.7663 - accuracy: 0.8483
643/750 [=====>.....] - ETA: 0s - loss: 0.7666 - accuracy: 0.8483
715/750 [=====>..] - ETA: 0s - loss: 0.7675 - accuracy: 0.8482
750/750 [=====>.....] - 1s 852us/step - loss: 0.7675 - accuracy: 0.8480 - val_loss: 0.7819 - val_accuracy: 0.8413
Epoch 63/220

1/750 [.....] - ETA: 0s - loss: 0.8071 - accuracy: 0.8125
71/750 [=>.....] - ETA: 0s - loss: 0.7506 - accuracy: 0.8515
144/750 [=====>.....] - ETA: 0s - loss: 0.7600 - accuracy: 0.8517
217/750 [=====>.....] - ETA: 0s - loss: 0.7691 - accuracy: 0.8489
290/750 [=====>.....] - ETA: 0s - loss: 0.7647 - accuracy: 0.8498
362/750 [=====>.....] - ETA: 0s - loss: 0.7625 - accuracy: 0.8514
433/750 [=====>.....] - ETA: 0s - loss: 0.7672 - accuracy: 0.8483
506/750 [=====>.....] - ETA: 0s - loss: 0.7649 - accuracy: 0.8495
578/750 [=====>.....] - ETA: 0s - loss: 0.7626 - accuracy: 0.8506
649/750 [=====>.....] - ETA: 0s - loss: 0.7627 - accuracy: 0.8503
723/750 [=====>..] - ETA: 0s - loss: 0.7645 - accuracy: 0.8495
750/750 [=====>.....] - 1s 848us/step - loss: 0.7650 - accuracy: 0.8491 - val_loss: 0.7819 - val_accuracy: 0.8414
Epoch 64/220

1/750 [.....] - ETA: 0s - loss: 0.8792 - accuracy: 0.7656
67/750 [=>.....] - ETA: 0s - loss: 0.7438 - accuracy: 0.8545

140/750 [====>.....] - ETA: 0s - loss: 0.7472 - accuracy: 0.8535
212/750 [=====>.....] - ETA: 0s - loss: 0.7553 - accuracy: 0.8528
284/750 [=====>.....] - ETA: 0s - loss: 0.7548 - accuracy: 0.8520
355/750 [=====>.....] - ETA: 0s - loss: 0.7540 - accuracy: 0.8532
430/750 [=====>.....] - ETA: 0s - loss: 0.7578 - accuracy: 0.8513
502/750 [=====>.....] - ETA: 0s - loss: 0.7597 - accuracy: 0.8507
574/750 [=====>.....] - ETA: 0s - loss: 0.7617 - accuracy: 0.8504
645/750 [=====>.....] - ETA: 0s - loss: 0.7616 - accuracy: 0.8500
714/750 [=====>..] - ETA: 0s - loss: 0.7625 - accuracy: 0.8495
750/750 [=====] - 1s 854us/step - loss: 0.7626 - accuracy: 0.8492 - val_loss: 0.7832 - val_accuracy: 0.8403
Epoch 65/220

1/750 [.....] - ETA: 0s - loss: 0.8634 - accuracy: 0.8594
70/750 [=>.....] - ETA: 0s - loss: 0.7591 - accuracy: 0.8560
140/750 [====>.....] - ETA: 0s - loss: 0.7610 - accuracy: 0.8502
211/750 [=====>.....] - ETA: 0s - loss: 0.7622 - accuracy: 0.8489
285/750 [=====>.....] - ETA: 0s - loss: 0.7620 - accuracy: 0.8495
355/750 [=====>.....] - ETA: 0s - loss: 0.7603 - accuracy: 0.8501
428/750 [=====>.....] - ETA: 0s - loss: 0.7596 - accuracy: 0.8516
501/750 [=====>.....] - ETA: 0s - loss: 0.7595 - accuracy: 0.8517
568/750 [=====>.....] - ETA: 0s - loss: 0.7581 - accuracy: 0.8518
639/750 [=====>.....] - ETA: 0s - loss: 0.7586 - accuracy: 0.8515
713/750 [=====>..] - ETA: 0s - loss: 0.7602 - accuracy: 0.8509
750/750 [=====] - 1s 862us/step - loss: 0.7600 - accuracy: 0.8513 - val_loss: 0.7755 - val_accuracy: 0.8452
Epoch 66/220

1/750 [.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.8750

72/750 [=>.....] - ETA: 0s - loss: 0.7369 - accuracy: 0.8576
143/750 [====>.....] - ETA: 0s - loss: 0.7415 - accuracy: 0.8564
215/750 [=====>.....] - ETA: 0s - loss: 0.7445 - accuracy: 0.8548
285/750 [======>.....] - ETA: 0s - loss: 0.7528 - accuracy: 0.8526
359/750 [======>.....] - ETA: 0s - loss: 0.7525 - accuracy: 0.8521
431/750 [======>.....] - ETA: 0s - loss: 0.7509 - accuracy: 0.8526
501/750 [======>.....] - ETA: 0s - loss: 0.7540 - accuracy: 0.8514
575/750 [======>.....] - ETA: 0s - loss: 0.7548 - accuracy: 0.8512
646/750 [======>.....] - ETA: 0s - loss: 0.7553 - accuracy: 0.8516
719/750 [======>..] - ETA: 0s - loss: 0.7577 - accuracy: 0.8512
750/750 [=====] - 1s 852us/step - loss: 0.7577 - accuracy: 0.8516 - val_loss: 0.7739 - val_accuracy: 0.8437
Epoch 67/220

1/750 [.....] - ETA: 0s - loss: 0.7044 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.7493 - accuracy: 0.8566
144/750 [====>.....] - ETA: 0s - loss: 0.7489 - accuracy: 0.8547
217/750 [=====>.....] - ETA: 0s - loss: 0.7609 - accuracy: 0.8494
284/750 [======>.....] - ETA: 0s - loss: 0.7612 - accuracy: 0.8498
353/750 [======>.....] - ETA: 0s - loss: 0.7582 - accuracy: 0.8508
425/750 [======>.....] - ETA: 0s - loss: 0.7547 - accuracy: 0.8519
497/750 [======>.....] - ETA: 0s - loss: 0.7543 - accuracy: 0.8516
569/750 [======>.....] - ETA: 0s - loss: 0.7557 - accuracy: 0.8511
643/750 [======>.....] - ETA: 0s - loss: 0.7568 - accuracy: 0.8514
715/750 [======>..] - ETA: 0s - loss: 0.7554 - accuracy: 0.8517
750/750 [=====] - 1s 860us/step - loss: 0.7557 - accuracy: 0.8514 - val_loss: 0.7728 - val_accuracy: 0.8452
Epoch 68/220

1/750 [.....] - ETA: 0s - loss: 0.7312 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.7389 - accuracy: 0.8632
145/750 [====>.....] - ETA: 0s - loss: 0.7561 - accuracy: 0.8520
217/750 [=====>.....] - ETA: 0s - loss: 0.7596 - accuracy: 0.8498
287/750 [======>.....] - ETA: 0s - loss: 0.7534 - accuracy: 0.8510
359/750 [======>.....] - ETA: 0s - loss: 0.7554 - accuracy: 0.8517
431/750 [======>.....] - ETA: 0s - loss: 0.7551 - accuracy: 0.8518
505/750 [======>.....] - ETA: 0s - loss: 0.7553 - accuracy: 0.8519
575/750 [======>.....] - ETA: 0s - loss: 0.7539 - accuracy: 0.8525
645/750 [======>.....] - ETA: 0s - loss: 0.7538 - accuracy: 0.8523
716/750 [======>..] - ETA: 0s - loss: 0.7534 - accuracy: 0.8524
750/750 [=====] - 1s 857us/step - loss: 0.7534 - accuracy: 0.8523 - val_loss: 0.7716 - val_accuracy: 0.8439
Epoch 69/220

1/750 [.....] - ETA: 0s - loss: 0.7975 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.7694 - accuracy: 0.8407
144/750 [====>.....] - ETA: 0s - loss: 0.7576 - accuracy: 0.8487
217/750 [=====>.....] - ETA: 0s - loss: 0.7570 - accuracy: 0.8501
288/750 [======>.....] - ETA: 0s - loss: 0.7557 - accuracy: 0.8504
362/750 [======>.....] - ETA: 0s - loss: 0.7544 - accuracy: 0.8512
433/750 [======>.....] - ETA: 0s - loss: 0.7515 - accuracy: 0.8528
506/750 [======>.....] - ETA: 0s - loss: 0.7501 - accuracy: 0.8533
579/750 [======>.....] - ETA: 0s - loss: 0.7511 - accuracy: 0.8529
650/750 [======>...] - ETA: 0s - loss: 0.7498 - accuracy: 0.8533
722/750 [======>..] - ETA: 0s - loss: 0.7520 - accuracy: 0.8525
750/750 [=====] - 1s 849us/step - loss: 0.7511 - accuracy: 0.8530 - val_loss: 0.7676 - val_accuracy: 0.8468

Epoch 70/220

```
1/750 [.....] - ETA: 0s - loss: 0.5774 - accuracy:
0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.7487 - accuracy:
0.8486
145/750 [====>.....] - ETA: 0s - loss: 0.7458 - accuracy:
0.8540
217/750 [=====>.....] - ETA: 0s - loss: 0.7418 - accuracy:
0.8553
285/750 [======>.....] - ETA: 0s - loss: 0.7465 - accuracy:
0.8538
357/750 [======>.....] - ETA: 0s - loss: 0.7465 - accuracy:
0.8543
429/750 [======>.....] - ETA: 0s - loss: 0.7467 - accuracy:
0.8552
501/750 [======>.....] - ETA: 0s - loss: 0.7470 - accuracy:
0.8544
572/750 [======>.....] - ETA: 0s - loss: 0.7467 - accuracy:
0.8541
645/750 [======>.....] - ETA: 0s - loss: 0.7457 - accuracy:
0.8544
715/750 [======>..] - ETA: 0s - loss: 0.7476 - accuracy:
0.8538
750/750 [=====] - 1s 856us/step - loss: 0.7485 - accuracy:
0.8530 - val_loss: 0.7691 - val_accuracy: 0.8453
Epoch 71/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.8682 - accuracy:
0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.7566 - accuracy:
0.8553
144/750 [====>.....] - ETA: 0s - loss: 0.7478 - accuracy:
0.8546
216/750 [=====>.....] - ETA: 0s - loss: 0.7494 - accuracy:
0.8548
286/750 [======>.....] - ETA: 0s - loss: 0.7475 - accuracy:
0.8541
357/750 [======>.....] - ETA: 0s - loss: 0.7474 - accuracy:
0.8531
430/750 [======>.....] - ETA: 0s - loss: 0.7487 - accuracy:
0.8530
501/750 [======>.....] - ETA: 0s - loss: 0.7479 - accuracy:
0.8535
573/750 [======>.....] - ETA: 0s - loss: 0.7495 - accuracy:
0.8536
643/750 [======>.....] - ETA: 0s - loss: 0.7483 - accuracy:
0.8540
716/750 [======>..] - ETA: 0s - loss: 0.7467 - accuracy:
0.8544
```

750/750 [=====] - 1s 856us/step - loss: 0.7470 - accuracy: 0.8541 - val_loss: 0.7644 - val_accuracy: 0.8457
Epoch 72/220

1/750 [.....] - ETA: 0s - loss: 0.8680 - accuracy: 0.7969
73/750 [=>.....] - ETA: 0s - loss: 0.7427 - accuracy: 0.8536
144/750 [====>.....] - ETA: 0s - loss: 0.7481 - accuracy: 0.8532
217/750 [=====>.....] - ETA: 0s - loss: 0.7451 - accuracy: 0.8550
289/750 [======>.....] - ETA: 0s - loss: 0.7408 - accuracy: 0.8562
360/750 [======>.....] - ETA: 0s - loss: 0.7415 - accuracy: 0.8560
431/750 [======>.....] - ETA: 0s - loss: 0.7434 - accuracy: 0.8541
501/750 [======>.....] - ETA: 0s - loss: 0.7444 - accuracy: 0.8539
574/750 [======>.....] - ETA: 0s - loss: 0.7434 - accuracy: 0.8550
641/750 [======>.....] - ETA: 0s - loss: 0.7428 - accuracy: 0.8558
713/750 [======>..] - ETA: 0s - loss: 0.7439 - accuracy: 0.8544
750/750 [=====] - 1s 857us/step - loss: 0.7446 - accuracy: 0.8544 - val_loss: 0.7652 - val_accuracy: 0.8451
Epoch 73/220

1/750 [.....] - ETA: 0s - loss: 0.7408 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.7373 - accuracy: 0.8554
144/750 [====>.....] - ETA: 0s - loss: 0.7355 - accuracy: 0.8573
217/750 [=====>.....] - ETA: 0s - loss: 0.7349 - accuracy: 0.8579
287/750 [======>.....] - ETA: 0s - loss: 0.7375 - accuracy: 0.8565
357/750 [======>.....] - ETA: 0s - loss: 0.7373 - accuracy: 0.8570
430/750 [======>.....] - ETA: 0s - loss: 0.7371 - accuracy: 0.8562
502/750 [======>.....] - ETA: 0s - loss: 0.7369 - accuracy: 0.8562
573/750 [======>.....] - ETA: 0s - loss: 0.7372 - accuracy: 0.8562
643/750 [======>.....] - ETA: 0s - loss: 0.7402 - accuracy: 0.8549

714/750 [=====>..] - ETA: 0s - loss: 0.7419 - accuracy:
0.8538
750/750 [=====] - 1s 864us/step - loss: 0.7426 - accuracy:
0.8539 - val_loss: 0.7601 - val_accuracy: 0.8474
Epoch 74/220

1/750 [.....] - ETA: 0s - loss: 0.8177 - accuracy:
0.8750
67/750 [=>.....] - ETA: 0s - loss: 0.7425 - accuracy:
0.8566
136/750 [====>.....] - ETA: 0s - loss: 0.7410 - accuracy:
0.8560
203/750 [=====>.....] - ETA: 0s - loss: 0.7396 - accuracy:
0.8558
270/750 [=====>.....] - ETA: 0s - loss: 0.7391 - accuracy:
0.8557
338/750 [=====>.....] - ETA: 0s - loss: 0.7394 - accuracy:
0.8548
407/750 [=====>.....] - ETA: 0s - loss: 0.7388 - accuracy:
0.8558
475/750 [=====>.....] - ETA: 0s - loss: 0.7411 - accuracy:
0.8551
544/750 [=====>.....] - ETA: 0s - loss: 0.7438 - accuracy:
0.8541
613/750 [=====>.....] - ETA: 0s - loss: 0.7431 - accuracy:
0.8544
681/750 [=====>...] - ETA: 0s - loss: 0.7426 - accuracy:
0.8546
747/750 [=====>.] - ETA: 0s - loss: 0.7398 - accuracy:
0.8557
750/750 [=====] - 1s 897us/step - loss: 0.7403 - accuracy:
0.8555 - val_loss: 0.7594 - val_accuracy: 0.8486
Epoch 75/220

1/750 [.....] - ETA: 0s - loss: 0.6524 - accuracy:
0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.7314 - accuracy:
0.8572
145/750 [====>.....] - ETA: 0s - loss: 0.7328 - accuracy:
0.8562
216/750 [=====>.....] - ETA: 0s - loss: 0.7407 - accuracy:
0.8540
286/750 [=====>.....] - ETA: 0s - loss: 0.7380 - accuracy:
0.8552
359/750 [=====>.....] - ETA: 0s - loss: 0.7368 - accuracy:
0.8568
430/750 [=====>.....] - ETA: 0s - loss: 0.7382 - accuracy:
0.8566
503/750 [=====>.....] - ETA: 0s - loss: 0.7395 - accuracy:
0.8558

576/750 [=====>.....] - ETA: 0s - loss: 0.7376 - accuracy: 0.8563
648/750 [=====>.....] - ETA: 0s - loss: 0.7368 - accuracy: 0.8568
719/750 [=====>..] - ETA: 0s - loss: 0.7373 - accuracy: 0.8566
750/750 [=====] - 1s 850us/step - loss: 0.7378 - accuracy: 0.8561 - val_loss: 0.7614 - val_accuracy: 0.8464
Epoch 76/220

1/750 [.....] - ETA: 0s - loss: 0.7670 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.7253 - accuracy: 0.8648
145/750 [====>.....] - ETA: 0s - loss: 0.7319 - accuracy: 0.8580
217/750 [=====>.....] - ETA: 0s - loss: 0.7364 - accuracy: 0.8557
289/750 [=====>.....] - ETA: 0s - loss: 0.7395 - accuracy: 0.8538
362/750 [=====>.....] - ETA: 0s - loss: 0.7380 - accuracy: 0.8554
431/750 [=====>.....] - ETA: 0s - loss: 0.7385 - accuracy: 0.8556
502/750 [=====>.....] - ETA: 0s - loss: 0.7370 - accuracy: 0.8560
573/750 [=====>.....] - ETA: 0s - loss: 0.7402 - accuracy: 0.8550
646/750 [=====>.....] - ETA: 0s - loss: 0.7388 - accuracy: 0.8554
716/750 [=====>..] - ETA: 0s - loss: 0.7383 - accuracy: 0.8554
750/750 [=====] - 1s 856us/step - loss: 0.7364 - accuracy: 0.8560 - val_loss: 0.7571 - val_accuracy: 0.8478
Epoch 77/220

1/750 [.....] - ETA: 0s - loss: 0.6815 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.7407 - accuracy: 0.8545
144/750 [====>.....] - ETA: 0s - loss: 0.7412 - accuracy: 0.8536
216/750 [=====>.....] - ETA: 0s - loss: 0.7367 - accuracy: 0.8563
289/750 [=====>.....] - ETA: 0s - loss: 0.7349 - accuracy: 0.8561
361/750 [=====>.....] - ETA: 0s - loss: 0.7371 - accuracy: 0.8557
433/750 [=====>.....] - ETA: 0s - loss: 0.7340 - accuracy: 0.8565

506/750 [=====>.....] - ETA: 0s - loss: 0.7324 - accuracy: 0.8572
578/750 [=====>.....] - ETA: 0s - loss: 0.7316 - accuracy: 0.8577
651/750 [=====>....] - ETA: 0s - loss: 0.7328 - accuracy: 0.8571
724/750 [=====>..] - ETA: 0s - loss: 0.7334 - accuracy: 0.8570
750/750 [=====] - 1s 849us/step - loss: 0.7343 - accuracy: 0.8568 - val_loss: 0.7544 - val_accuracy: 0.8512
Epoch 78/220

1/750 [.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.7276 - accuracy: 0.8596
140/750 [====>.....] - ETA: 0s - loss: 0.7258 - accuracy: 0.8580
209/750 [=====>.....] - ETA: 0s - loss: 0.7233 - accuracy: 0.8594
279/750 [=====>.....] - ETA: 0s - loss: 0.7249 - accuracy: 0.8575
350/750 [=====>.....] - ETA: 0s - loss: 0.7303 - accuracy: 0.8554
421/750 [=====>.....] - ETA: 0s - loss: 0.7314 - accuracy: 0.8566
493/750 [=====>.....] - ETA: 0s - loss: 0.7342 - accuracy: 0.8553
566/750 [=====>.....] - ETA: 0s - loss: 0.7363 - accuracy: 0.8545
636/750 [=====>....] - ETA: 0s - loss: 0.7341 - accuracy: 0.8565
709/750 [=====>..] - ETA: 0s - loss: 0.7326 - accuracy: 0.8566
750/750 [=====] - 1s 864us/step - loss: 0.7321 - accuracy: 0.8565 - val_loss: 0.7518 - val_accuracy: 0.8503
Epoch 79/220

1/750 [.....] - ETA: 0s - loss: 0.6763 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.7364 - accuracy: 0.8583
141/750 [====>.....] - ETA: 0s - loss: 0.7316 - accuracy: 0.8597
213/750 [=====>.....] - ETA: 0s - loss: 0.7257 - accuracy: 0.8627
285/750 [=====>.....] - ETA: 0s - loss: 0.7262 - accuracy: 0.8607
356/750 [=====>.....] - ETA: 0s - loss: 0.7295 - accuracy: 0.8598

429/750 [=====>.....] - ETA: 0s - loss: 0.7290 - accuracy: 0.8602
496/750 [=====>.....] - ETA: 0s - loss: 0.7296 - accuracy: 0.8588
566/750 [=====>.....] - ETA: 0s - loss: 0.7294 - accuracy: 0.8589
640/750 [=====>.....] - ETA: 0s - loss: 0.7303 - accuracy: 0.8583
711/750 [=====>..] - ETA: 0s - loss: 0.7306 - accuracy: 0.8579
750/750 [=====] - 1s 862us/step - loss: 0.7297 - accuracy: 0.8583 - val_loss: 0.7530 - val_accuracy: 0.8488
Epoch 80/220

1/750 [.....] - ETA: 0s - loss: 0.8599 - accuracy: 0.7812
72/750 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy: 0.8668
144/750 [====>.....] - ETA: 0s - loss: 0.7173 - accuracy: 0.8653
217/750 [=====>.....] - ETA: 0s - loss: 0.7219 - accuracy: 0.8635
289/750 [=====>.....] - ETA: 0s - loss: 0.7269 - accuracy: 0.8618
359/750 [=====>.....] - ETA: 0s - loss: 0.7271 - accuracy: 0.8601
432/750 [=====>.....] - ETA: 0s - loss: 0.7311 - accuracy: 0.8581
505/750 [=====>.....] - ETA: 0s - loss: 0.7276 - accuracy: 0.8588
574/750 [=====>.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.8595
645/750 [=====>.....] - ETA: 0s - loss: 0.7266 - accuracy: 0.8594
719/750 [=====>..] - ETA: 0s - loss: 0.7290 - accuracy: 0.8587
750/750 [=====] - 1s 850us/step - loss: 0.7283 - accuracy: 0.8591 - val_loss: 0.7483 - val_accuracy: 0.8527
Epoch 81/220

1/750 [.....] - ETA: 0s - loss: 0.7940 - accuracy: 0.7969
72/750 [=>.....] - ETA: 0s - loss: 0.7302 - accuracy: 0.8620
139/750 [====>.....] - ETA: 0s - loss: 0.7119 - accuracy: 0.8676
212/750 [=====>.....] - ETA: 0s - loss: 0.7172 - accuracy: 0.8665
284/750 [=====>.....] - ETA: 0s - loss: 0.7231 - accuracy: 0.8636

355/750 [=====>.....] - ETA: 0s - loss: 0.7290 - accuracy: 0.8606
429/750 [=====>.....] - ETA: 0s - loss: 0.7302 - accuracy: 0.8591
498/750 [=====>.....] - ETA: 0s - loss: 0.7290 - accuracy: 0.8593
572/750 [=====>.....] - ETA: 0s - loss: 0.7270 - accuracy: 0.8598
644/750 [=====>.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.8592
718/750 [=====>..] - ETA: 0s - loss: 0.7267 - accuracy: 0.8591
750/750 [=====] - 1s 857us/step - loss: 0.7262 - accuracy: 0.8592 - val_loss: 0.7506 - val_accuracy: 0.8500
Epoch 82/220

1/750 [.....] - ETA: 0s - loss: 0.7627 - accuracy: 0.8281
74/750 [=>.....] - ETA: 0s - loss: 0.7178 - accuracy: 0.8619
147/750 [====>.....] - ETA: 0s - loss: 0.7118 - accuracy: 0.8614
219/750 [=====>.....] - ETA: 0s - loss: 0.7116 - accuracy: 0.8621
290/750 [=====>.....] - ETA: 0s - loss: 0.7142 - accuracy: 0.8624
362/750 [=====>.....] - ETA: 0s - loss: 0.7185 - accuracy: 0.8607
435/750 [=====>.....] - ETA: 0s - loss: 0.7216 - accuracy: 0.8606
506/750 [=====>.....] - ETA: 0s - loss: 0.7229 - accuracy: 0.8608
580/750 [=====>.....] - ETA: 0s - loss: 0.7243 - accuracy: 0.8597
650/750 [=====>....] - ETA: 0s - loss: 0.7236 - accuracy: 0.8602
720/750 [=====>..] - ETA: 0s - loss: 0.7239 - accuracy: 0.8597
750/750 [=====] - 1s 850us/step - loss: 0.7239 - accuracy: 0.8597 - val_loss: 0.7484 - val_accuracy: 0.8489
Epoch 83/220

1/750 [.....] - ETA: 0s - loss: 0.7766 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.7317 - accuracy: 0.8576
146/750 [====>.....] - ETA: 0s - loss: 0.7213 - accuracy: 0.8634
217/750 [=====>.....] - ETA: 0s - loss: 0.7159 - accuracy: 0.8637

290/750 [=====>.....] - ETA: 0s - loss: 0.7186 - accuracy: 0.8622
362/750 [=====>.....] - ETA: 0s - loss: 0.7195 - accuracy: 0.8633
434/750 [=====>.....] - ETA: 0s - loss: 0.7183 - accuracy: 0.8627
505/750 [=====>.....] - ETA: 0s - loss: 0.7199 - accuracy: 0.8615
578/750 [=====>.....] - ETA: 0s - loss: 0.7209 - accuracy: 0.8613
650/750 [=====>....] - ETA: 0s - loss: 0.7227 - accuracy: 0.8602
723/750 [=====>..] - ETA: 0s - loss: 0.7223 - accuracy: 0.8603
750/750 [=====] - 1s 852us/step - loss: 0.7225 - accuracy: 0.8602 - val_loss: 0.7460 - val_accuracy: 0.8501
Epoch 84/220

1/750 [.....] - ETA: 0s - loss: 0.6543 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.7216 - accuracy: 0.8639
143/750 [===>.....] - ETA: 0s - loss: 0.7219 - accuracy: 0.8613
214/750 [=====>.....] - ETA: 0s - loss: 0.7203 - accuracy: 0.8608
284/750 [=====>.....] - ETA: 0s - loss: 0.7246 - accuracy: 0.8585
357/750 [=====>.....] - ETA: 0s - loss: 0.7229 - accuracy: 0.8596
431/750 [=====>.....] - ETA: 0s - loss: 0.7215 - accuracy: 0.8598
501/750 [=====>.....] - ETA: 0s - loss: 0.7201 - accuracy: 0.8601
573/750 [=====>.....] - ETA: 0s - loss: 0.7205 - accuracy: 0.8603
644/750 [=====>....] - ETA: 0s - loss: 0.7205 - accuracy: 0.8606
716/750 [=====>..] - ETA: 0s - loss: 0.7193 - accuracy: 0.8616
750/750 [=====] - 1s 853us/step - loss: 0.7205 - accuracy: 0.8609 - val_loss: 0.7422 - val_accuracy: 0.8518
Epoch 85/220

1/750 [.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.8438
75/750 [==>.....] - ETA: 0s - loss: 0.7272 - accuracy: 0.8565
145/750 [===>.....] - ETA: 0s - loss: 0.7241 - accuracy: 0.8597

217/750 [=====>.....] - ETA: 0s - loss: 0.7276 - accuracy: 0.8575
288/750 [=====>.....] - ETA: 0s - loss: 0.7270 - accuracy: 0.8570
361/750 [=====>.....] - ETA: 0s - loss: 0.7229 - accuracy: 0.8588
432/750 [=====>.....] - ETA: 0s - loss: 0.7219 - accuracy: 0.8591
505/750 [=====>.....] - ETA: 0s - loss: 0.7190 - accuracy: 0.8601
576/750 [=====>.....] - ETA: 0s - loss: 0.7210 - accuracy: 0.8596
647/750 [=====>.....] - ETA: 0s - loss: 0.7201 - accuracy: 0.8603
718/750 [=====>..] - ETA: 0s - loss: 0.7190 - accuracy: 0.8604
750/750 [=====] - 1s 850us/step - loss: 0.7190 - accuracy: 0.8604 - val_loss: 0.7401 - val_accuracy: 0.8537
Epoch 86/220

1/750 [.....] - ETA: 0s - loss: 0.7398 - accuracy: 0.8438
71/750 [=>.....] - ETA: 0s - loss: 0.7091 - accuracy: 0.8636
143/750 [====>.....] - ETA: 0s - loss: 0.7153 - accuracy: 0.8616
214/750 [=====>.....] - ETA: 0s - loss: 0.7095 - accuracy: 0.8661
287/750 [=====>.....] - ETA: 0s - loss: 0.7157 - accuracy: 0.8638
359/750 [=====>.....] - ETA: 0s - loss: 0.7171 - accuracy: 0.8639
430/750 [=====>.....] - ETA: 0s - loss: 0.7153 - accuracy: 0.8639
503/750 [=====>.....] - ETA: 0s - loss: 0.7164 - accuracy: 0.8628
577/750 [=====>.....] - ETA: 0s - loss: 0.7175 - accuracy: 0.8621
650/750 [=====>....] - ETA: 0s - loss: 0.7178 - accuracy: 0.8619
723/750 [=====>..] - ETA: 0s - loss: 0.7172 - accuracy: 0.8620
750/750 [=====] - 1s 848us/step - loss: 0.7168 - accuracy: 0.8621 - val_loss: 0.7381 - val_accuracy: 0.8546
Epoch 87/220

1/750 [.....] - ETA: 0s - loss: 0.7264 - accuracy: 0.8594
74/750 [=>.....] - ETA: 0s - loss: 0.7282 - accuracy: 0.8566

147/750 [====>.....] - ETA: 0s - loss: 0.7330 - accuracy: 0.8557
219/750 [=====>.....] - ETA: 0s - loss: 0.7258 - accuracy: 0.8566
290/750 [=====>.....] - ETA: 0s - loss: 0.7171 - accuracy: 0.8603
358/750 [=====>.....] - ETA: 0s - loss: 0.7153 - accuracy: 0.8612
431/750 [=====>.....] - ETA: 0s - loss: 0.7173 - accuracy: 0.8606
503/750 [=====>.....] - ETA: 0s - loss: 0.7139 - accuracy: 0.8618
575/750 [=====>.....] - ETA: 0s - loss: 0.7134 - accuracy: 0.8625
648/750 [=====>.....] - ETA: 0s - loss: 0.7140 - accuracy: 0.8624
721/750 [=====>..] - ETA: 0s - loss: 0.7160 - accuracy: 0.8618
750/750 [=====] - 1s 853us/step - loss: 0.7149 - accuracy: 0.8622 - val_loss: 0.7357 - val_accuracy: 0.8541
Epoch 88/220

1/750 [.....] - ETA: 0s - loss: 0.7971 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.7083 - accuracy: 0.8618
143/750 [====>.....] - ETA: 0s - loss: 0.7029 - accuracy: 0.8634
212/750 [=====>.....] - ETA: 0s - loss: 0.7062 - accuracy: 0.8649
281/750 [=====>.....] - ETA: 0s - loss: 0.7083 - accuracy: 0.8631
352/750 [=====>.....] - ETA: 0s - loss: 0.7099 - accuracy: 0.8635
424/750 [=====>.....] - ETA: 0s - loss: 0.7114 - accuracy: 0.8630
496/750 [=====>.....] - ETA: 0s - loss: 0.7128 - accuracy: 0.8622
566/750 [=====>.....] - ETA: 0s - loss: 0.7145 - accuracy: 0.8614
640/750 [=====>.....] - ETA: 0s - loss: 0.7137 - accuracy: 0.8619
712/750 [=====>..] - ETA: 0s - loss: 0.7127 - accuracy: 0.8622
750/750 [=====] - 1s 858us/step - loss: 0.7131 - accuracy: 0.8621 - val_loss: 0.7364 - val_accuracy: 0.8535
Epoch 89/220

1/750 [.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.9062

72/750 [=>.....] - ETA: 0s - loss: 0.6997 - accuracy: 0.8639
142/750 [====>.....] - ETA: 0s - loss: 0.7123 - accuracy: 0.8584
215/750 [=====>.....] - ETA: 0s - loss: 0.7077 - accuracy: 0.8593
286/750 [=====>.....] - ETA: 0s - loss: 0.7057 - accuracy: 0.8611
359/750 [=====>.....] - ETA: 0s - loss: 0.7093 - accuracy: 0.8600
430/750 [=====>.....] - ETA: 0s - loss: 0.7116 - accuracy: 0.8607
500/750 [=====>.....] - ETA: 0s - loss: 0.7117 - accuracy: 0.8617
570/750 [=====>.....] - ETA: 0s - loss: 0.7128 - accuracy: 0.8618
640/750 [=====>.....] - ETA: 0s - loss: 0.7114 - accuracy: 0.8628
712/750 [=====>..] - ETA: 0s - loss: 0.7113 - accuracy: 0.8627
750/750 [=====] - 1s 856us/step - loss: 0.7113 - accuracy: 0.8625 - val_loss: 0.7348 - val_accuracy: 0.8539
Epoch 90/220

1/750 [.....] - ETA: 0s - loss: 0.8091 - accuracy: 0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.7109 - accuracy: 0.8566
143/750 [====>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.8625
214/750 [=====>.....] - ETA: 0s - loss: 0.7062 - accuracy: 0.8616
288/750 [=====>.....] - ETA: 0s - loss: 0.7029 - accuracy: 0.8646
359/750 [=====>.....] - ETA: 0s - loss: 0.7056 - accuracy: 0.8636
429/750 [=====>.....] - ETA: 0s - loss: 0.7066 - accuracy: 0.8635
502/750 [=====>.....] - ETA: 0s - loss: 0.7094 - accuracy: 0.8624
572/750 [=====>.....] - ETA: 0s - loss: 0.7083 - accuracy: 0.8630
642/750 [=====>.....] - ETA: 0s - loss: 0.7084 - accuracy: 0.8631
708/750 [=====>..] - ETA: 0s - loss: 0.7098 - accuracy: 0.8634
750/750 [=====] - 1s 869us/step - loss: 0.7096 - accuracy: 0.8632 - val_loss: 0.7328 - val_accuracy: 0.8543
Epoch 91/220

1/750 [.....] - ETA: 0s - loss: 0.6847 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6995 - accuracy: 0.8669
146/750 [====>.....] - ETA: 0s - loss: 0.7103 - accuracy: 0.8610
216/750 [=====>.....] - ETA: 0s - loss: 0.7147 - accuracy: 0.8588
289/750 [======>.....] - ETA: 0s - loss: 0.7094 - accuracy: 0.8619
361/750 [======>.....] - ETA: 0s - loss: 0.7061 - accuracy: 0.8637
433/750 [======>.....] - ETA: 0s - loss: 0.7087 - accuracy: 0.8630
504/750 [======>.....] - ETA: 0s - loss: 0.7111 - accuracy: 0.8620
576/750 [======>.....] - ETA: 0s - loss: 0.7104 - accuracy: 0.8628
645/750 [======>.....] - ETA: 0s - loss: 0.7086 - accuracy: 0.8632
715/750 [======>..] - ETA: 0s - loss: 0.7085 - accuracy: 0.8632
750/750 [=====] - 1s 861us/step - loss: 0.7075 - accuracy: 0.8637 - val_loss: 0.7331 - val_accuracy: 0.8531
Epoch 92/220

1/750 [.....] - ETA: 0s - loss: 0.6011 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.7145 - accuracy: 0.8611
142/750 [====>.....] - ETA: 0s - loss: 0.7107 - accuracy: 0.8622
215/750 [=====>.....] - ETA: 0s - loss: 0.7097 - accuracy: 0.8627
285/750 [======>.....] - ETA: 0s - loss: 0.7090 - accuracy: 0.8620
357/750 [======>.....] - ETA: 0s - loss: 0.7080 - accuracy: 0.8630
430/750 [======>.....] - ETA: 0s - loss: 0.7098 - accuracy: 0.8612
499/750 [======>.....] - ETA: 0s - loss: 0.7109 - accuracy: 0.8610
570/750 [======>.....] - ETA: 0s - loss: 0.7102 - accuracy: 0.8615
642/750 [======>.....] - ETA: 0s - loss: 0.7086 - accuracy: 0.8626
714/750 [======>..] - ETA: 0s - loss: 0.7065 - accuracy: 0.8634
750/750 [=====] - 1s 869us/step - loss: 0.7062 - accuracy: 0.8636 - val_loss: 0.7332 - val_accuracy: 0.8534

Epoch 93/220

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1/750 [.....] - ETA: 0s - loss: 0.5212 - accuracy: 0.9062
67/750 [=>.....] - ETA: 0s - loss: 0.7113 - accuracy: 0.8626
133/750 [====>.....] - ETA: 0s - loss: 0.7080 - accuracy: 0.8643
202/750 [=====>.....] - ETA: 0s - loss: 0.7008 - accuracy: 0.8659
271/750 [======>.....] - ETA: 0s - loss: 0.6996 - accuracy: 0.8662
339/750 [======>.....] - ETA: 0s - loss: 0.7019 - accuracy: 0.8661
406/750 [======>.....] - ETA: 0s - loss: 0.7028 - accuracy: 0.8651
468/750 [======>.....] - ETA: 0s - loss: 0.7027 - accuracy: 0.8649
535/750 [======>.....] - ETA: 0s - loss: 0.7040 - accuracy: 0.8642
605/750 [======>.....] - ETA: 0s - loss: 0.7035 - accuracy: 0.8649
678/750 [======>...] - ETA: 0s - loss: 0.7038 - accuracy: 0.8646
749/750 [======>.] - ETA: 0s - loss: 0.7043 - accuracy: 0.8638
750/750 [=====] - 1s 892us/step - loss: 0.7043 - accuracy: 0.8637 - val_loss: 0.7325 - val_accuracy: 0.8542
Epoch 94/220
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```
1/750 [.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.6912 - accuracy: 0.8732
144/750 [====>.....] - ETA: 0s - loss: 0.6977 - accuracy: 0.8695
215/750 [=====>.....] - ETA: 0s - loss: 0.7007 - accuracy: 0.8688
288/750 [======>.....] - ETA: 0s - loss: 0.6997 - accuracy: 0.8683
359/750 [======>.....] - ETA: 0s - loss: 0.7009 - accuracy: 0.8675
433/750 [======>.....] - ETA: 0s - loss: 0.7025 - accuracy: 0.8672
507/750 [======>.....] - ETA: 0s - loss: 0.7023 - accuracy: 0.8660
576/750 [======>.....] - ETA: 0s - loss: 0.7023 - accuracy: 0.8659
644/750 [======>.....] - ETA: 0s - loss: 0.7027 - accuracy: 0.8656
```

714/750 [=====>..] - ETA: 0s - loss: 0.7026 - accuracy:
0.8659
750/750 [=====] - 1s 858us/step - loss: 0.7023 - accuracy:
0.8655 - val_loss: 0.7283 - val_accuracy: 0.8539
Epoch 95/220

1/750 [.....] - ETA: 0s - loss: 0.5824 - accuracy:
0.8906
69/750 [=>.....] - ETA: 0s - loss: 0.7067 - accuracy:
0.8635
140/750 [====>.....] - ETA: 0s - loss: 0.7015 - accuracy:
0.8641
213/750 [=====>.....] - ETA: 0s - loss: 0.7027 - accuracy:
0.8646
283/750 [=====>.....] - ETA: 0s - loss: 0.7030 - accuracy:
0.8643
355/750 [=====>.....] - ETA: 0s - loss: 0.6991 - accuracy:
0.8647
426/750 [=====>.....] - ETA: 0s - loss: 0.7040 - accuracy:
0.8638
498/750 [=====>.....] - ETA: 0s - loss: 0.7037 - accuracy:
0.8630
568/750 [=====>.....] - ETA: 0s - loss: 0.7015 - accuracy:
0.8637
638/750 [=====>.....] - ETA: 0s - loss: 0.7009 - accuracy:
0.8637
710/750 [=====>..] - ETA: 0s - loss: 0.6997 - accuracy:
0.8645
750/750 [=====] - 1s 858us/step - loss: 0.7011 - accuracy:
0.8640 - val_loss: 0.7243 - val_accuracy: 0.8562
Epoch 96/220

1/750 [.....] - ETA: 0s - loss: 0.7605 - accuracy:
0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.7079 - accuracy:
0.8655
145/750 [====>.....] - ETA: 0s - loss: 0.7063 - accuracy:
0.8645
217/750 [=====>.....] - ETA: 0s - loss: 0.7074 - accuracy:
0.8638
288/750 [=====>.....] - ETA: 0s - loss: 0.7055 - accuracy:
0.8646
359/750 [=====>.....] - ETA: 0s - loss: 0.7033 - accuracy:
0.8649
427/750 [=====>.....] - ETA: 0s - loss: 0.7040 - accuracy:
0.8646
495/750 [=====>.....] - ETA: 0s - loss: 0.7047 - accuracy:
0.8653
560/750 [=====>.....] - ETA: 0s - loss: 0.7048 - accuracy:
0.8643

631/750 [=====>.....] - ETA: 0s - loss: 0.7014 - accuracy:
0.8649
702/750 [=====>..] - ETA: 0s - loss: 0.6980 - accuracy:
0.8663
750/750 [=====] - 1s 864us/step - loss: 0.6994 - accuracy:
0.8656 - val_loss: 0.7253 - val_accuracy: 0.8566
Epoch 97/220

1/750 [.....] - ETA: 0s - loss: 0.6497 - accuracy:
0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.7027 - accuracy:
0.8607
143/750 [====>.....] - ETA: 0s - loss: 0.6991 - accuracy:
0.8619
215/750 [=====>.....] - ETA: 0s - loss: 0.6966 - accuracy:
0.8652
288/750 [=====>.....] - ETA: 0s - loss: 0.7006 - accuracy:
0.8637
360/750 [=====>.....] - ETA: 0s - loss: 0.6971 - accuracy:
0.8646
433/750 [=====>.....] - ETA: 0s - loss: 0.6976 - accuracy:
0.8638
506/750 [=====>.....] - ETA: 0s - loss: 0.6969 - accuracy:
0.8644
579/750 [=====>.....] - ETA: 0s - loss: 0.6966 - accuracy:
0.8646
651/750 [=====>....] - ETA: 0s - loss: 0.6978 - accuracy:
0.8649
723/750 [=====>..] - ETA: 0s - loss: 0.6965 - accuracy:
0.8656
750/750 [=====] - 1s 852us/step - loss: 0.6975 - accuracy:
0.8656 - val_loss: 0.7250 - val_accuracy: 0.8572
Epoch 98/220

1/750 [.....] - ETA: 0s - loss: 0.6382 - accuracy:
0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.7084 - accuracy:
0.8726
142/750 [====>.....] - ETA: 0s - loss: 0.6995 - accuracy:
0.8707
211/750 [=====>.....] - ETA: 0s - loss: 0.6944 - accuracy:
0.8703
280/750 [=====>.....] - ETA: 0s - loss: 0.6942 - accuracy:
0.8682
350/750 [=====>.....] - ETA: 0s - loss: 0.6942 - accuracy:
0.8669
421/750 [=====>.....] - ETA: 0s - loss: 0.6918 - accuracy:
0.8689
493/750 [=====>.....] - ETA: 0s - loss: 0.6924 - accuracy:
0.8689

565/750 [=====>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.8686
637/750 [=====>.....] - ETA: 0s - loss: 0.6957 - accuracy: 0.8675
708/750 [=====>..] - ETA: 0s - loss: 0.6964 - accuracy: 0.8671
750/750 [=====] - 1s 865us/step - loss: 0.6956 - accuracy: 0.8675 - val_loss: 0.7221 - val_accuracy: 0.8543
Epoch 99/220

1/750 [.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.8657
145/750 [====>.....] - ETA: 0s - loss: 0.6961 - accuracy: 0.8666
217/750 [=====>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.8678
290/750 [=====>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.8682
362/750 [=====>.....] - ETA: 0s - loss: 0.6929 - accuracy: 0.8672
434/750 [=====>.....] - ETA: 0s - loss: 0.6922 - accuracy: 0.8671
506/750 [=====>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.8681
579/750 [=====>.....] - ETA: 0s - loss: 0.6954 - accuracy: 0.8667
648/750 [=====>.....] - ETA: 0s - loss: 0.6941 - accuracy: 0.8673
719/750 [=====>..] - ETA: 0s - loss: 0.6934 - accuracy: 0.8674
750/750 [=====] - 1s 860us/step - loss: 0.6945 - accuracy: 0.8669 - val_loss: 0.7202 - val_accuracy: 0.8581
Epoch 100/220

1/750 [.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.8724
145/750 [====>.....] - ETA: 0s - loss: 0.6879 - accuracy: 0.8671
215/750 [=====>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.8664
286/750 [=====>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.8658
357/750 [=====>.....] - ETA: 0s - loss: 0.6921 - accuracy: 0.8677
431/750 [=====>.....] - ETA: 0s - loss: 0.6962 - accuracy: 0.8659

502/750 [=====>.....] - ETA: 0s - loss: 0.6930 - accuracy: 0.8667
574/750 [=====>.....] - ETA: 0s - loss: 0.6943 - accuracy: 0.8657
646/750 [=====>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.8667
716/750 [=====>..] - ETA: 0s - loss: 0.6924 - accuracy: 0.8668
750/750 [=====] - 1s 853us/step - loss: 0.6923 - accuracy: 0.8668 - val_loss: 0.7217 - val_accuracy: 0.8533
Epoch 101/220

1/750 [.....] - ETA: 0s - loss: 0.7386 - accuracy: 0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.6665 - accuracy: 0.8765
144/750 [====>.....] - ETA: 0s - loss: 0.6832 - accuracy: 0.8707
214/750 [=====>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.8717
283/750 [=====>.....] - ETA: 0s - loss: 0.6810 - accuracy: 0.8698
353/750 [=====>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.8673
425/750 [=====>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.8674
497/750 [=====>.....] - ETA: 0s - loss: 0.6885 - accuracy: 0.8659
560/750 [=====>.....] - ETA: 0s - loss: 0.6897 - accuracy: 0.8659
626/750 [=====>.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.8666
700/750 [=====>..] - ETA: 0s - loss: 0.6898 - accuracy: 0.8669
750/750 [=====] - 1s 873us/step - loss: 0.6908 - accuracy: 0.8667 - val_loss: 0.7224 - val_accuracy: 0.8559
Epoch 102/220

1/750 [.....] - ETA: 0s - loss: 0.7133 - accuracy: 0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.8699
145/750 [====>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.8689
216/750 [=====>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.8696
288/750 [=====>.....] - ETA: 0s - loss: 0.6899 - accuracy: 0.8700
362/750 [=====>.....] - ETA: 0s - loss: 0.6962 - accuracy: 0.8675

434/750 [=====>.....] - ETA: 0s - loss: 0.6958 - accuracy: 0.8670
506/750 [=====>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.8672
578/750 [=====>.....] - ETA: 0s - loss: 0.6943 - accuracy: 0.8672
649/750 [=====>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.8674
721/750 [=====>..] - ETA: 0s - loss: 0.6900 - accuracy: 0.8678
750/750 [=====] - 1s 852us/step - loss: 0.6892 - accuracy: 0.8681 - val_loss: 0.7148 - val_accuracy: 0.8577
Epoch 103/220

1/750 [.....] - ETA: 0s - loss: 0.6643 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.8665
144/750 [====>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.8690
217/750 [=====>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.8698
287/750 [=====>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.8665
360/750 [=====>.....] - ETA: 0s - loss: 0.6901 - accuracy: 0.8672
433/750 [=====>.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.8678
503/750 [=====>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.8684
574/750 [=====>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.8683
647/750 [=====>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.8696
716/750 [=====>..] - ETA: 0s - loss: 0.6870 - accuracy: 0.8690
750/750 [=====] - 1s 861us/step - loss: 0.6874 - accuracy: 0.8688 - val_loss: 0.7152 - val_accuracy: 0.8562
Epoch 104/220

1/750 [.....] - ETA: 0s - loss: 0.6312 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.8691
147/750 [====>.....] - ETA: 0s - loss: 0.6831 - accuracy: 0.8709
219/750 [=====>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.8686
290/750 [=====>.....] - ETA: 0s - loss: 0.6842 - accuracy: 0.8690

359/750 [=====>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.8701
429/750 [=====>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.8691
502/750 [=====>.....] - ETA: 0s - loss: 0.6857 - accuracy: 0.8687
572/750 [=====>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.8692
644/750 [=====>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.8698
717/750 [=====>..] - ETA: 0s - loss: 0.6862 - accuracy: 0.8694
750/750 [=====] - 1s 856us/step - loss: 0.6861 - accuracy: 0.8692 - val_loss: 0.7156 - val_accuracy: 0.8591
Epoch 105/220

1/750 [.....] - ETA: 0s - loss: 0.7361 - accuracy: 0.9062
71/750 [=>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.8631
142/750 [====>.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.8661
215/750 [=====>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.8669
288/750 [=====>.....] - ETA: 0s - loss: 0.6855 - accuracy: 0.8674
359/750 [=====>.....] - ETA: 0s - loss: 0.6837 - accuracy: 0.8680
429/750 [=====>.....] - ETA: 0s - loss: 0.6860 - accuracy: 0.8680
502/750 [=====>.....] - ETA: 0s - loss: 0.6828 - accuracy: 0.8691
575/750 [=====>.....] - ETA: 0s - loss: 0.6815 - accuracy: 0.8698
645/750 [=====>.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.8695
717/750 [=====>..] - ETA: 0s - loss: 0.6848 - accuracy: 0.8687
750/750 [=====] - 1s 853us/step - loss: 0.6843 - accuracy: 0.8689 - val_loss: 0.7140 - val_accuracy: 0.8574
Epoch 106/220

1/750 [.....] - ETA: 0s - loss: 0.5467 - accuracy: 0.9531
74/750 [=>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.8708
145/750 [====>.....] - ETA: 0s - loss: 0.6721 - accuracy: 0.8726
218/750 [=====>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.8725

291/750 [=====>.....] - ETA: 0s - loss: 0.6742 - accuracy: 0.8729
363/750 [=====>.....] - ETA: 0s - loss: 0.6758 - accuracy: 0.8719
436/750 [=====>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.8714
508/750 [=====>.....] - ETA: 0s - loss: 0.6813 - accuracy: 0.8704
578/750 [=====>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.8702
652/750 [=====>....] - ETA: 0s - loss: 0.6810 - accuracy: 0.8699
723/750 [=====>..] - ETA: 0s - loss: 0.6827 - accuracy: 0.8696
750/750 [=====] - 1s 853us/step - loss: 0.6825 - accuracy: 0.8695 - val_loss: 0.7139 - val_accuracy: 0.8580
Epoch 107/220

1/750 [.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.6924 - accuracy: 0.8685
143/750 [===>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.8674
213/750 [=====>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.8683
282/750 [=====>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.8708
355/750 [=====>.....] - ETA: 0s - loss: 0.6785 - accuracy: 0.8715
423/750 [=====>.....] - ETA: 0s - loss: 0.6804 - accuracy: 0.8712
494/750 [=====>.....] - ETA: 0s - loss: 0.6818 - accuracy: 0.8708
565/750 [=====>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.8708
636/750 [=====>....] - ETA: 0s - loss: 0.6798 - accuracy: 0.8706
708/750 [=====>..] - ETA: 0s - loss: 0.6790 - accuracy: 0.8707
750/750 [=====] - 1s 861us/step - loss: 0.6811 - accuracy: 0.8701 - val_loss: 0.7127 - val_accuracy: 0.8562
Epoch 108/220

1/750 [.....] - ETA: 0s - loss: 0.7840 - accuracy: 0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.6796 - accuracy: 0.8720
144/750 [===>.....] - ETA: 0s - loss: 0.6806 - accuracy: 0.8700

216/750 [=====>.....] - ETA: 0s - loss: 0.6796 - accuracy: 0.8694
286/750 [=====>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.8677
359/750 [=====>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.8698
430/750 [=====>.....] - ETA: 0s - loss: 0.6802 - accuracy: 0.8700
500/750 [=====>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.8699
573/750 [=====>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.8695
644/750 [=====>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.8701
715/750 [=====>..] - ETA: 0s - loss: 0.6799 - accuracy: 0.8698
750/750 [=====] - 1s 853us/step - loss: 0.6801 - accuracy: 0.8701 - val_loss: 0.7083 - val_accuracy: 0.8586
Epoch 109/220

1/750 [.....] - ETA: 0s - loss: 0.4875 - accuracy: 0.9688
70/750 [=>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.8699
142/750 [====>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.8730
214/750 [=====>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.8712
287/750 [=====>.....] - ETA: 0s - loss: 0.6813 - accuracy: 0.8706
356/750 [=====>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.8721
427/750 [=====>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.8729
499/750 [=====>.....] - ETA: 0s - loss: 0.6769 - accuracy: 0.8722
570/750 [=====>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.8711
641/750 [=====>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.8711
711/750 [=====>..] - ETA: 0s - loss: 0.6777 - accuracy: 0.8708
750/750 [=====] - 1s 857us/step - loss: 0.6782 - accuracy: 0.8708 - val_loss: 0.7087 - val_accuracy: 0.8583
Epoch 110/220

1/750 [.....] - ETA: 0s - loss: 0.4919 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.6863 - accuracy: 0.8680

148/750 [====>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.8728
220/750 [=====>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.8751
292/750 [======>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8744
365/750 [======>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.8729
437/750 [======>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.8720
510/750 [======>.....] - ETA: 0s - loss: 0.6764 - accuracy: 0.8720
576/750 [======>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.8716
645/750 [======>.....] - ETA: 0s - loss: 0.6794 - accuracy: 0.8708
717/750 [======>..] - ETA: 0s - loss: 0.6773 - accuracy: 0.8707
750/750 [=====] - 1s 860us/step - loss: 0.6765 - accuracy: 0.8709 - val_loss: 0.7058 - val_accuracy: 0.8593
Epoch 111/220

1/750 [.....] - ETA: 0s - loss: 0.5118 - accuracy: 0.9375
71/750 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.8675
142/750 [====>.....] - ETA: 0s - loss: 0.6736 - accuracy: 0.8704
215/750 [=====>.....] - ETA: 0s - loss: 0.6778 - accuracy: 0.8699
285/750 [======>.....] - ETA: 0s - loss: 0.6788 - accuracy: 0.8696
355/750 [======>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.8694
426/750 [======>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.8699
497/750 [======>.....] - ETA: 0s - loss: 0.6766 - accuracy: 0.8711
569/750 [======>.....] - ETA: 0s - loss: 0.6749 - accuracy: 0.8719
636/750 [======>.....] - ETA: 0s - loss: 0.6742 - accuracy: 0.8718
705/750 [======>..] - ETA: 0s - loss: 0.6752 - accuracy: 0.8711
750/750 [=====] - 1s 866us/step - loss: 0.6748 - accuracy: 0.8712 - val_loss: 0.7064 - val_accuracy: 0.8591
Epoch 112/220

1/750 [.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.8750

73/750 [=>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.8795
139/750 [====>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.8757
210/750 [=====>.....] - ETA: 0s - loss: 0.6641 - accuracy: 0.8761
283/750 [======>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.8744
354/750 [======>.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.8738
428/750 [======>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.8740
497/750 [======>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.8733
570/750 [======>.....] - ETA: 0s - loss: 0.6716 - accuracy: 0.8733
643/750 [======>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.8724
715/750 [======>..] - ETA: 0s - loss: 0.6750 - accuracy: 0.8712
750/750 [=====] - 1s 858us/step - loss: 0.6739 - accuracy: 0.8714 - val_loss: 0.7039 - val_accuracy: 0.8607
Epoch 113/220

1/750 [.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.6621 - accuracy: 0.8732
145/750 [====>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.8723
217/750 [=====>.....] - ETA: 0s - loss: 0.6765 - accuracy: 0.8702
289/750 [======>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.8711
362/750 [======>.....] - ETA: 0s - loss: 0.6745 - accuracy: 0.8718
435/750 [======>.....] - ETA: 0s - loss: 0.6764 - accuracy: 0.8710
507/750 [======>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.8709
580/750 [======>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.8715
650/750 [======>....] - ETA: 0s - loss: 0.6732 - accuracy: 0.8714
724/750 [======>..] - ETA: 0s - loss: 0.6716 - accuracy: 0.8718
750/750 [=====] - 1s 850us/step - loss: 0.6720 - accuracy: 0.8718 - val_loss: 0.7041 - val_accuracy: 0.8609
Epoch 114/220

1/750 [.....] - ETA: 0s - loss: 0.6381 - accuracy: 0.8438
70/750 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.8748
141/750 [====>.....] - ETA: 0s - loss: 0.6676 - accuracy: 0.8723
210/750 [=====>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.8728
268/750 [======>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.8716
339/750 [======>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.8724
412/750 [======>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.8720
482/750 [======>.....] - ETA: 0s - loss: 0.6697 - accuracy: 0.8732
555/750 [======>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.8735
627/750 [======>.....] - ETA: 0s - loss: 0.6697 - accuracy: 0.8729
698/750 [======>...] - ETA: 0s - loss: 0.6698 - accuracy: 0.8729
750/750 [=====] - 1s 871us/step - loss: 0.6705 - accuracy: 0.8728 - val_loss: 0.7007 - val_accuracy: 0.8607
Epoch 115/220

1/750 [.....] - ETA: 0s - loss: 0.6821 - accuracy: 0.8281
74/750 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.8720
145/750 [====>.....] - ETA: 0s - loss: 0.6712 - accuracy: 0.8691
202/750 [=====>.....] - ETA: 0s - loss: 0.6691 - accuracy: 0.8697
273/750 [======>.....] - ETA: 0s - loss: 0.6660 - accuracy: 0.8723
344/750 [======>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.8718
417/750 [======>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.8707
490/750 [======>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.8711
560/750 [======>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.8720
634/750 [======>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.8721
705/750 [======>...] - ETA: 0s - loss: 0.6681 - accuracy: 0.8722
750/750 [=====] - 1s 866us/step - loss: 0.6685 - accuracy: 0.8723 - val_loss: 0.7000 - val_accuracy: 0.8612

Epoch 116/220

```
1/750 [.....] - ETA: 0s - loss: 0.6656 - accuracy:
0.8125
73/750 [=>.....] - ETA: 0s - loss: 0.6686 - accuracy:
0.8718
145/750 [====>.....] - ETA: 0s - loss: 0.6665 - accuracy:
0.8699
203/750 [=====>.....] - ETA: 0s - loss: 0.6680 - accuracy:
0.8712
276/750 [======>.....] - ETA: 0s - loss: 0.6690 - accuracy:
0.8718
348/750 [======>.....] - ETA: 0s - loss: 0.6673 - accuracy:
0.8729
420/750 [======>.....] - ETA: 0s - loss: 0.6693 - accuracy:
0.8716
492/750 [======>.....] - ETA: 0s - loss: 0.6715 - accuracy:
0.8714
563/750 [======>.....] - ETA: 0s - loss: 0.6703 - accuracy:
0.8715
636/750 [======>.....] - ETA: 0s - loss: 0.6694 - accuracy:
0.8715
703/750 [======>..] - ETA: 0s - loss: 0.6674 - accuracy:
0.8724
750/750 [=====] - 1s 870us/step - loss: 0.6676 - accuracy:
0.8726 - val_loss: 0.6982 - val_accuracy: 0.8616
Epoch 117/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7533 - accuracy:
0.7969
70/750 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy:
0.8690
142/750 [====>.....] - ETA: 0s - loss: 0.6692 - accuracy:
0.8707
212/750 [=====>.....] - ETA: 0s - loss: 0.6666 - accuracy:
0.8725
284/750 [======>.....] - ETA: 0s - loss: 0.6659 - accuracy:
0.8732
358/750 [======>.....] - ETA: 0s - loss: 0.6649 - accuracy:
0.8742
428/750 [======>.....] - ETA: 0s - loss: 0.6661 - accuracy:
0.8738
498/750 [======>.....] - ETA: 0s - loss: 0.6673 - accuracy:
0.8735
570/750 [======>.....] - ETA: 0s - loss: 0.6661 - accuracy:
0.8733
641/750 [======>.....] - ETA: 0s - loss: 0.6654 - accuracy:
0.8733
713/750 [======>..] - ETA: 0s - loss: 0.6662 - accuracy:
0.8733
```

750/750 [=====] - 1s 850us/step - loss: 0.6664 - accuracy: 0.8735 - val_loss: 0.6987 - val_accuracy: 0.8608
Epoch 118/220

1/750 [.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.8686
144/750 [====>.....] - ETA: 0s - loss: 0.6700 - accuracy: 0.8730
215/750 [=====>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.8740
286/750 [======>.....] - ETA: 0s - loss: 0.6657 - accuracy: 0.8744
357/750 [======>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.8742
429/750 [======>.....] - ETA: 0s - loss: 0.6662 - accuracy: 0.8737
501/750 [======>.....] - ETA: 0s - loss: 0.6667 - accuracy: 0.8732
571/750 [======>.....] - ETA: 0s - loss: 0.6668 - accuracy: 0.8732
644/750 [======>.....] - ETA: 0s - loss: 0.6655 - accuracy: 0.8734
716/750 [======>..] - ETA: 0s - loss: 0.6652 - accuracy: 0.8733
750/750 [=====] - 1s 853us/step - loss: 0.6646 - accuracy: 0.8737 - val_loss: 0.6967 - val_accuracy: 0.8612
Epoch 119/220

1/750 [.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.8660
145/750 [====>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.8736
216/750 [=====>.....] - ETA: 0s - loss: 0.6631 - accuracy: 0.8749
285/750 [======>.....] - ETA: 0s - loss: 0.6619 - accuracy: 0.8751
356/750 [======>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.8738
426/750 [======>.....] - ETA: 0s - loss: 0.6658 - accuracy: 0.8732
497/750 [======>.....] - ETA: 0s - loss: 0.6643 - accuracy: 0.8727
567/750 [======>.....] - ETA: 0s - loss: 0.6646 - accuracy: 0.8730
640/750 [======>.....] - ETA: 0s - loss: 0.6647 - accuracy: 0.8728

713/750 [=====>..] - ETA: 0s - loss: 0.6644 - accuracy:
0.8731
750/750 [=====] - 1s 860us/step - loss: 0.6636 - accuracy:
0.8738 - val_loss: 0.6988 - val_accuracy: 0.8594
Epoch 120/220

1/750 [.....] - ETA: 0s - loss: 0.7883 - accuracy:
0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.6580 - accuracy:
0.8779
143/750 [====>.....] - ETA: 0s - loss: 0.6667 - accuracy:
0.8743
214/750 [=====>.....] - ETA: 0s - loss: 0.6634 - accuracy:
0.8744
286/750 [======>.....] - ETA: 0s - loss: 0.6609 - accuracy:
0.8758
358/750 [======>.....] - ETA: 0s - loss: 0.6613 - accuracy:
0.8753
430/750 [======>.....] - ETA: 0s - loss: 0.6603 - accuracy:
0.8754
501/750 [======>.....] - ETA: 0s - loss: 0.6626 - accuracy:
0.8745
571/750 [======>.....] - ETA: 0s - loss: 0.6618 - accuracy:
0.8743
642/750 [======>.....] - ETA: 0s - loss: 0.6631 - accuracy:
0.8733
713/750 [=====>..] - ETA: 0s - loss: 0.6632 - accuracy:
0.8732
750/750 [=====] - 1s 858us/step - loss: 0.6618 - accuracy:
0.8741 - val_loss: 0.6973 - val_accuracy: 0.8609
Epoch 121/220

1/750 [.....] - ETA: 0s - loss: 0.5818 - accuracy:
0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.6649 - accuracy:
0.8771
146/750 [====>.....] - ETA: 0s - loss: 0.6611 - accuracy:
0.8768
219/750 [=====>.....] - ETA: 0s - loss: 0.6608 - accuracy:
0.8758
292/750 [======>.....] - ETA: 0s - loss: 0.6577 - accuracy:
0.8761
363/750 [======>.....] - ETA: 0s - loss: 0.6570 - accuracy:
0.8770
430/750 [======>.....] - ETA: 0s - loss: 0.6562 - accuracy:
0.8764
499/750 [======>.....] - ETA: 0s - loss: 0.6572 - accuracy:
0.8763
569/750 [======>.....] - ETA: 0s - loss: 0.6566 - accuracy:
0.8763

641/750 [=====>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.8753
710/750 [=====>..] - ETA: 0s - loss: 0.6610 - accuracy: 0.8745
750/750 [=====] - 1s 861us/step - loss: 0.6604 - accuracy: 0.8745 - val_loss: 0.6927 - val_accuracy: 0.8619
Epoch 122/220

1/750 [.....] - ETA: 0s - loss: 0.7556 - accuracy: 0.8750
73/750 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.8720
145/750 [====>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.8700
215/750 [=====>.....] - ETA: 0s - loss: 0.6647 - accuracy: 0.8722
286/750 [=====>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.8737
359/750 [=====>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.8746
429/750 [=====>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.8759
501/750 [=====>.....] - ETA: 0s - loss: 0.6578 - accuracy: 0.8752
571/750 [=====>.....] - ETA: 0s - loss: 0.6590 - accuracy: 0.8745
643/750 [=====>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.8739
715/750 [=====>..] - ETA: 0s - loss: 0.6596 - accuracy: 0.8740
750/750 [=====] - 1s 860us/step - loss: 0.6591 - accuracy: 0.8743 - val_loss: 0.6956 - val_accuracy: 0.8602
Epoch 123/220

1/750 [.....] - ETA: 0s - loss: 0.7450 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.6512 - accuracy: 0.8726
146/750 [====>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8750
218/750 [=====>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.8740
291/750 [=====>.....] - ETA: 0s - loss: 0.6622 - accuracy: 0.8745
361/750 [=====>.....] - ETA: 0s - loss: 0.6625 - accuracy: 0.8736
432/750 [=====>.....] - ETA: 0s - loss: 0.6621 - accuracy: 0.8748
503/750 [=====>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.8748

574/750 [=====>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.8749
645/750 [=====>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.8753
716/750 [=====>..] - ETA: 0s - loss: 0.6578 - accuracy: 0.8749
750/750 [=====] - 1s 861us/step - loss: 0.6577 - accuracy: 0.8751 - val_loss: 0.6907 - val_accuracy: 0.8637
Epoch 124/220

1/750 [.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.8726
143/750 [====>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.8773
214/750 [=====>.....] - ETA: 0s - loss: 0.6550 - accuracy: 0.8785
283/750 [=====>.....] - ETA: 0s - loss: 0.6552 - accuracy: 0.8777
354/750 [=====>.....] - ETA: 0s - loss: 0.6581 - accuracy: 0.8759
425/750 [=====>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.8756
488/750 [=====>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.8754
557/750 [=====>.....] - ETA: 0s - loss: 0.6581 - accuracy: 0.8756
630/750 [=====>.....] - ETA: 0s - loss: 0.6575 - accuracy: 0.8758
697/750 [=====>...] - ETA: 0s - loss: 0.6560 - accuracy: 0.8760
750/750 [=====] - 1s 881us/step - loss: 0.6561 - accuracy: 0.8759 - val_loss: 0.6893 - val_accuracy: 0.8635
Epoch 125/220

1/750 [.....] - ETA: 1s - loss: 0.5615 - accuracy: 0.9375
71/750 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.8726
141/750 [====>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.8713
210/750 [=====>.....] - ETA: 0s - loss: 0.6581 - accuracy: 0.8728
278/750 [=====>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.8730
349/750 [=====>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.8733
419/750 [=====>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.8739

491/750 [=====>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.8745
562/750 [=====>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.8751
632/750 [=====>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.8761
702/750 [=====>..] - ETA: 0s - loss: 0.6552 - accuracy: 0.8760
750/750 [=====] - 1s 870us/step - loss: 0.6546 - accuracy: 0.8761 - val_loss: 0.6887 - val_accuracy: 0.8634
Epoch 126/220

1/750 [.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.8750
66/750 [=>.....] - ETA: 0s - loss: 0.6482 - accuracy: 0.8821
139/750 [====>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.8787
210/750 [=====>.....] - ETA: 0s - loss: 0.6498 - accuracy: 0.8784
281/750 [=====>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.8774
351/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8774
423/750 [=====>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.8778
497/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8774
568/750 [=====>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.8774
640/750 [=====>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.8766
713/750 [=====>..] - ETA: 0s - loss: 0.6527 - accuracy: 0.8768
750/750 [=====] - 1s 861us/step - loss: 0.6529 - accuracy: 0.8763 - val_loss: 0.6912 - val_accuracy: 0.8626
Epoch 127/220

1/750 [.....] - ETA: 0s - loss: 0.5998 - accuracy: 0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.6372 - accuracy: 0.8829
142/750 [====>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.8797
213/750 [=====>.....] - ETA: 0s - loss: 0.6499 - accuracy: 0.8762
283/750 [=====>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.8770
356/750 [=====>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.8778

428/750 [=====>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.8777
499/750 [=====>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.8776
563/750 [=====>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.8773
634/750 [=====>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.8766
707/750 [=====>..] - ETA: 0s - loss: 0.6511 - accuracy: 0.8768
750/750 [=====] - 1s 868us/step - loss: 0.6515 - accuracy: 0.8764 - val_loss: 0.6867 - val_accuracy: 0.8625
Epoch 128/220

1/750 [.....] - ETA: 0s - loss: 0.4775 - accuracy: 0.9531
70/750 [=>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.8821
141/750 [====>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.8768
211/750 [=====>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.8757
281/750 [=====>.....] - ETA: 0s - loss: 0.6540 - accuracy: 0.8766
351/750 [=====>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.8779
423/750 [=====>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.8775
494/750 [=====>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.8776
565/750 [=====>.....] - ETA: 0s - loss: 0.6521 - accuracy: 0.8774
636/750 [=====>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.8779
707/750 [=====>..] - ETA: 0s - loss: 0.6505 - accuracy: 0.8780
750/750 [=====] - 1s 864us/step - loss: 0.6507 - accuracy: 0.8777 - val_loss: 0.6844 - val_accuracy: 0.8638
Epoch 129/220

1/750 [.....] - ETA: 0s - loss: 0.5373 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.6354 - accuracy: 0.8835
134/750 [====>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.8825
206/750 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.8823
277/750 [=====>.....] - ETA: 0s - loss: 0.6456 - accuracy: 0.8817

348/750 [=====>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.8803
418/750 [=====>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.8800
488/750 [=====>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.8800
559/750 [=====>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.8783
629/750 [=====>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.8770
701/750 [=====>..] - ETA: 0s - loss: 0.6489 - accuracy: 0.8778
750/750 [=====] - 1s 873us/step - loss: 0.6493 - accuracy: 0.8773 - val_loss: 0.6857 - val_accuracy: 0.8633
Epoch 130/220

1/750 [.....] - ETA: 0s - loss: 0.4508 - accuracy: 0.9844
72/750 [=>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.8774
145/750 [====>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.8775
215/750 [=====>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.8775
284/750 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.8772
356/750 [=====>.....] - ETA: 0s - loss: 0.6466 - accuracy: 0.8770
426/750 [=====>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.8769
497/750 [=====>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.8775
567/750 [=====>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.8775
631/750 [=====>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.8774
700/750 [=====>..] - ETA: 0s - loss: 0.6466 - accuracy: 0.8773
750/750 [=====] - 1s 870us/step - loss: 0.6479 - accuracy: 0.8770 - val_loss: 0.6838 - val_accuracy: 0.8644
Epoch 131/220

1/750 [.....] - ETA: 0s - loss: 0.5982 - accuracy: 0.8750
71/750 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.8838
141/750 [====>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.8794
212/750 [=====>.....] - ETA: 0s - loss: 0.6512 - accuracy: 0.8779

284/750 [=====>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8784
354/750 [=====>.....] - ETA: 0s - loss: 0.6487 - accuracy: 0.8766
424/750 [=====>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.8758
496/750 [=====>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.8769
565/750 [=====>.....] - ETA: 0s - loss: 0.6473 - accuracy: 0.8775
634/750 [=====>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.8771
706/750 [=====>..] - ETA: 0s - loss: 0.6470 - accuracy: 0.8772
750/750 [=====] - 1s 864us/step - loss: 0.6463 - accuracy: 0.8775 - val_loss: 0.6803 - val_accuracy: 0.8650
Epoch 132/220

1/750 [.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.8787
141/750 [===>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8778
209/750 [=====>.....] - ETA: 0s - loss: 0.6456 - accuracy: 0.8767
275/750 [=====>.....] - ETA: 0s - loss: 0.6456 - accuracy: 0.8784
341/750 [=====>.....] - ETA: 0s - loss: 0.6428 - accuracy: 0.8795
414/750 [=====>.....] - ETA: 0s - loss: 0.6429 - accuracy: 0.8796
482/750 [=====>.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.8794
553/750 [=====>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.8781
624/750 [=====>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.8787
695/750 [=====>...] - ETA: 0s - loss: 0.6449 - accuracy: 0.8783
750/750 [=====] - 1s 872us/step - loss: 0.6449 - accuracy: 0.8780 - val_loss: 0.6818 - val_accuracy: 0.8643
Epoch 133/220

1/750 [.....] - ETA: 0s - loss: 0.7018 - accuracy: 0.8594
70/750 [=>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.8746
141/750 [===>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.8758

212/750 [=====>.....] - ETA: 0s - loss: 0.6540 - accuracy: 0.8762
283/750 [=====>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.8781
353/750 [=====>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.8778
423/750 [=====>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.8791
495/750 [=====>.....] - ETA: 0s - loss: 0.6441 - accuracy: 0.8789
566/750 [=====>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.8789
636/750 [=====>.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.8787
703/750 [=====>..] - ETA: 0s - loss: 0.6430 - accuracy: 0.8790
750/750 [=====>.....] - 1s 869us/step - loss: 0.6437 - accuracy: 0.8792 - val_loss: 0.6787 - val_accuracy: 0.8656
Epoch 134/220

1/750 [.....] - ETA: 0s - loss: 0.5954 - accuracy: 0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.6254 - accuracy: 0.8841
143/750 [=====>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.8847
212/750 [=====>.....] - ETA: 0s - loss: 0.6280 - accuracy: 0.8835
283/750 [=====>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.8844
355/750 [=====>.....] - ETA: 0s - loss: 0.6354 - accuracy: 0.8818
425/750 [=====>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.8808
495/750 [=====>.....] - ETA: 0s - loss: 0.6370 - accuracy: 0.8808
565/750 [=====>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.8798
635/750 [=====>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.8792
704/750 [=====>..] - ETA: 0s - loss: 0.6431 - accuracy: 0.8789
750/750 [=====>.....] - 1s 873us/step - loss: 0.6424 - accuracy: 0.8793 - val_loss: 0.6799 - val_accuracy: 0.8639
Epoch 135/220

1/750 [.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.6474 - accuracy: 0.8763

140/750 [====>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.8794
209/750 [=====>.....] - ETA: 0s - loss: 0.6360 - accuracy: 0.8794
280/750 [======>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.8777
349/750 [======>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.8776
421/750 [======>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.8777
491/750 [======>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.8783
552/750 [======>.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.8777
622/750 [======>.....] - ETA: 0s - loss: 0.6414 - accuracy: 0.8778
693/750 [======>...] - ETA: 0s - loss: 0.6413 - accuracy: 0.8783
750/750 [=====] - 1s 883us/step - loss: 0.6411 - accuracy: 0.8788 - val_loss: 0.6785 - val_accuracy: 0.8641
Epoch 136/220

1/750 [.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.8750
70/750 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.8857
140/750 [====>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.8809
208/750 [=====>.....] - ETA: 0s - loss: 0.6412 - accuracy: 0.8814
280/750 [======>.....] - ETA: 0s - loss: 0.6396 - accuracy: 0.8821
349/750 [======>.....] - ETA: 0s - loss: 0.6402 - accuracy: 0.8813
420/750 [======>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.8818
492/750 [======>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.8814
563/750 [======>.....] - ETA: 0s - loss: 0.6383 - accuracy: 0.8811
636/750 [======>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.8806
700/750 [======>..] - ETA: 0s - loss: 0.6395 - accuracy: 0.8805
750/750 [=====] - 1s 869us/step - loss: 0.6397 - accuracy: 0.8800 - val_loss: 0.6761 - val_accuracy: 0.8657
Epoch 137/220

1/750 [.....] - ETA: 0s - loss: 0.7344 - accuracy: 0.8594

73/750 [=>.....] - ETA: 0s - loss: 0.6254 - accuracy: 0.8883
144/750 [====>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.8854
213/750 [=====>.....] - ETA: 0s - loss: 0.6357 - accuracy: 0.8844
284/750 [======>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.8839
354/750 [======>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.8839
424/750 [======>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8830
494/750 [======>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.8826
563/750 [======>.....] - ETA: 0s - loss: 0.6357 - accuracy: 0.8819
632/750 [======>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.8821
704/750 [======>..] - ETA: 0s - loss: 0.6371 - accuracy: 0.8816
750/750 [=====] - 1s 879us/step - loss: 0.6382 - accuracy: 0.8815 - val_loss: 0.6752 - val_accuracy: 0.8668
Epoch 138/220

1/750 [.....] - ETA: 0s - loss: 0.6233 - accuracy: 0.9062
67/750 [=>.....] - ETA: 0s - loss: 0.6410 - accuracy: 0.8762
136/750 [====>.....] - ETA: 0s - loss: 0.6476 - accuracy: 0.8749
201/750 [=====>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.8773
266/750 [======>.....] - ETA: 0s - loss: 0.6372 - accuracy: 0.8781
329/750 [======>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.8793
396/750 [======>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.8778
466/750 [======>.....] - ETA: 0s - loss: 0.6416 - accuracy: 0.8777
536/750 [======>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.8785
607/750 [======>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.8793
679/750 [======>..] - ETA: 0s - loss: 0.6375 - accuracy: 0.8799
750/750 [=====] - 1s 893us/step - loss: 0.6372 - accuracy: 0.8801 - val_loss: 0.6748 - val_accuracy: 0.8671
Epoch 139/220

1/750 [.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.6361 - accuracy: 0.8826
141/750 [====>.....] - ETA: 0s - loss: 0.6279 - accuracy: 0.8850
213/750 [=====>.....] - ETA: 0s - loss: 0.6310 - accuracy: 0.8823
283/750 [======>.....] - ETA: 0s - loss: 0.6297 - accuracy: 0.8839
355/750 [======>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.8831
425/750 [======>.....] - ETA: 0s - loss: 0.6330 - accuracy: 0.8813
497/750 [======>.....] - ETA: 0s - loss: 0.6345 - accuracy: 0.8813
566/750 [======>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.8820
638/750 [======>.....] - ETA: 0s - loss: 0.6332 - accuracy: 0.8821
704/750 [======>..] - ETA: 0s - loss: 0.6352 - accuracy: 0.8811
750/750 [=====] - 1s 870us/step - loss: 0.6357 - accuracy: 0.8810 - val_loss: 0.6730 - val_accuracy: 0.8648
Epoch 140/220

1/750 [.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.6357 - accuracy: 0.8853
140/750 [====>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.8825
214/750 [=====>.....] - ETA: 0s - loss: 0.6382 - accuracy: 0.8798
285/750 [======>.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.8805
350/750 [======>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.8822
420/750 [======>.....] - ETA: 0s - loss: 0.6342 - accuracy: 0.8826
491/750 [======>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.8807
561/750 [======>.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.8810
631/750 [======>.....] - ETA: 0s - loss: 0.6356 - accuracy: 0.8808
701/750 [======>..] - ETA: 0s - loss: 0.6344 - accuracy: 0.8809
750/750 [=====] - 1s 868us/step - loss: 0.6344 - accuracy: 0.8812 - val_loss: 0.6782 - val_accuracy: 0.8642

Epoch 141/220

```
1/750 [.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.8799
145/750 [====>.....] - ETA: 0s - loss: 0.6345 - accuracy: 0.8773
215/750 [=====>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.8783
285/750 [======>.....] - ETA: 0s - loss: 0.6324 - accuracy: 0.8797
357/750 [======>.....] - ETA: 0s - loss: 0.6329 - accuracy: 0.8800
428/750 [======>.....] - ETA: 0s - loss: 0.6329 - accuracy: 0.8808
501/750 [======>.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.8806
571/750 [======>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.8798
645/750 [======>.....] - ETA: 0s - loss: 0.6346 - accuracy: 0.8810
716/750 [======>..] - ETA: 0s - loss: 0.6326 - accuracy: 0.8815
750/750 [=====] - 1s 857us/step - loss: 0.6333 - accuracy: 0.8810 - val_loss: 0.6725 - val_accuracy: 0.8657
Epoch 142/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.7142 - accuracy: 0.8125
74/750 [=>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.8824
144/750 [====>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.8841
215/750 [=====>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.8836
286/750 [======>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.8828
357/750 [======>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.8819
430/750 [======>.....] - ETA: 0s - loss: 0.6342 - accuracy: 0.8809
500/750 [======>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.8807
573/750 [======>.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.8818
645/750 [======>.....] - ETA: 0s - loss: 0.6320 - accuracy: 0.8820
719/750 [======>..] - ETA: 0s - loss: 0.6322 - accuracy: 0.8817
```


750/750 [=====] - 1s 854us/step - loss: 0.6321 - accuracy: 0.8817 - val_loss: 0.6729 - val_accuracy: 0.8633
Epoch 143/220

1/750 [.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.6162 - accuracy: 0.8856
144/750 [====>.....] - ETA: 0s - loss: 0.6235 - accuracy: 0.8817
217/750 [=====>.....] - ETA: 0s - loss: 0.6252 - accuracy: 0.8822
289/750 [======>.....] - ETA: 0s - loss: 0.6243 - accuracy: 0.8834
360/750 [======>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.8832
432/750 [======>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.8841
502/750 [======>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.8833
576/750 [======>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.8839
645/750 [======>.....] - ETA: 0s - loss: 0.6278 - accuracy: 0.8834
715/750 [======>..] - ETA: 0s - loss: 0.6294 - accuracy: 0.8826
750/750 [=====] - 1s 857us/step - loss: 0.6306 - accuracy: 0.8825 - val_loss: 0.6741 - val_accuracy: 0.8649
Epoch 144/220

1/750 [.....] - ETA: 0s - loss: 0.5329 - accuracy: 0.9062
75/750 [==>.....] - ETA: 0s - loss: 0.6400 - accuracy: 0.8781
147/750 [====>.....] - ETA: 0s - loss: 0.6342 - accuracy: 0.8799
220/750 [=====>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.8787
294/750 [======>.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.8809
366/750 [======>.....] - ETA: 0s - loss: 0.6240 - accuracy: 0.8826
434/750 [======>.....] - ETA: 0s - loss: 0.6221 - accuracy: 0.8835
505/750 [======>.....] - ETA: 0s - loss: 0.6245 - accuracy: 0.8825
577/750 [======>.....] - ETA: 0s - loss: 0.6260 - accuracy: 0.8827
649/750 [======>.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.8815

720/750 [=====>..] - ETA: 0s - loss: 0.6294 - accuracy:
0.8815
750/750 [=====] - 1s 856us/step - loss: 0.6291 - accuracy:
0.8816 - val_loss: 0.6683 - val_accuracy: 0.8663
Epoch 145/220

1/750 [.....] - ETA: 0s - loss: 0.7968 - accuracy:
0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.6224 - accuracy:
0.8839
145/750 [====>.....] - ETA: 0s - loss: 0.6306 - accuracy:
0.8808
215/750 [=====>.....] - ETA: 0s - loss: 0.6226 - accuracy:
0.8834
287/750 [======>.....] - ETA: 0s - loss: 0.6249 - accuracy:
0.8826
359/750 [======>.....] - ETA: 0s - loss: 0.6268 - accuracy:
0.8827
430/750 [======>.....] - ETA: 0s - loss: 0.6293 - accuracy:
0.8815
500/750 [======>.....] - ETA: 0s - loss: 0.6291 - accuracy:
0.8813
573/750 [======>.....] - ETA: 0s - loss: 0.6281 - accuracy:
0.8819
643/750 [======>.....] - ETA: 0s - loss: 0.6288 - accuracy:
0.8824
717/750 [======>..] - ETA: 0s - loss: 0.6284 - accuracy:
0.8820
750/750 [=====] - 1s 857us/step - loss: 0.6282 - accuracy:
0.8820 - val_loss: 0.6715 - val_accuracy: 0.8663
Epoch 146/220

1/750 [.....] - ETA: 0s - loss: 0.4744 - accuracy:
0.9375
70/750 [=>.....] - ETA: 0s - loss: 0.6353 - accuracy:
0.8759
143/750 [====>.....] - ETA: 0s - loss: 0.6235 - accuracy:
0.8840
215/750 [=====>.....] - ETA: 0s - loss: 0.6232 - accuracy:
0.8842
286/750 [======>.....] - ETA: 0s - loss: 0.6287 - accuracy:
0.8813
357/750 [======>.....] - ETA: 0s - loss: 0.6263 - accuracy:
0.8820
430/750 [======>.....] - ETA: 0s - loss: 0.6264 - accuracy:
0.8819
500/750 [======>.....] - ETA: 0s - loss: 0.6260 - accuracy:
0.8820
571/750 [======>.....] - ETA: 0s - loss: 0.6257 - accuracy:
0.8824

642/750 [=====>.....] - ETA: 0s - loss: 0.6254 - accuracy: 0.8825
711/750 [=====>..] - ETA: 0s - loss: 0.6256 - accuracy: 0.8822
750/750 [=====] - 1s 857us/step - loss: 0.6269 - accuracy: 0.8820 - val_loss: 0.6734 - val_accuracy: 0.8648
Epoch 147/220

1/750 [.....] - ETA: 0s - loss: 0.6040 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.6092 - accuracy: 0.8896
144/750 [====>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.8878
216/750 [=====>.....] - ETA: 0s - loss: 0.6190 - accuracy: 0.8851
287/750 [=====>.....] - ETA: 0s - loss: 0.6218 - accuracy: 0.8843
358/750 [=====>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.8850
431/750 [=====>.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.8837
500/750 [=====>.....] - ETA: 0s - loss: 0.6245 - accuracy: 0.8837
571/750 [=====>.....] - ETA: 0s - loss: 0.6264 - accuracy: 0.8829
641/750 [=====>.....] - ETA: 0s - loss: 0.6258 - accuracy: 0.8836
712/750 [=====>..] - ETA: 0s - loss: 0.6262 - accuracy: 0.8837
750/750 [=====] - 1s 856us/step - loss: 0.6254 - accuracy: 0.8838 - val_loss: 0.6682 - val_accuracy: 0.8664
Epoch 148/220

1/750 [.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.8724
147/750 [====>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.8741
218/750 [=====>.....] - ETA: 0s - loss: 0.6307 - accuracy: 0.8809
289/750 [=====>.....] - ETA: 0s - loss: 0.6276 - accuracy: 0.8827
360/750 [=====>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.8836
432/750 [=====>.....] - ETA: 0s - loss: 0.6242 - accuracy: 0.8835
504/750 [=====>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.8837

574/750 [=====>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.8838
647/750 [=====>.....] - ETA: 0s - loss: 0.6231 - accuracy: 0.8845
718/750 [=====>..] - ETA: 0s - loss: 0.6249 - accuracy: 0.8833
750/750 [=====] - 1s 850us/step - loss: 0.6243 - accuracy: 0.8835 - val_loss: 0.6681 - val_accuracy: 0.8644
Epoch 149/220

1/750 [.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.8783
140/750 [====>.....] - ETA: 0s - loss: 0.6219 - accuracy: 0.8817
212/750 [=====>.....] - ETA: 0s - loss: 0.6204 - accuracy: 0.8828
284/750 [=====>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.8845
354/750 [=====>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.8838
425/750 [=====>.....] - ETA: 0s - loss: 0.6192 - accuracy: 0.8844
497/750 [=====>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.8840
570/750 [=====>.....] - ETA: 0s - loss: 0.6207 - accuracy: 0.8844
641/750 [=====>.....] - ETA: 0s - loss: 0.6222 - accuracy: 0.8840
711/750 [=====>..] - ETA: 0s - loss: 0.6226 - accuracy: 0.8837
750/750 [=====] - 1s 861us/step - loss: 0.6232 - accuracy: 0.8834 - val_loss: 0.6650 - val_accuracy: 0.8683
Epoch 150/220

1/750 [.....] - ETA: 0s - loss: 0.5325 - accuracy: 0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.6145 - accuracy: 0.8926
141/750 [====>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.8904
211/750 [=====>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.8884
280/750 [=====>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.8865
350/750 [=====>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.8866
420/750 [=====>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.8852

489/750 [=====>.....] - ETA: 0s - loss: 0.6201 - accuracy: 0.8843
560/750 [=====>.....] - ETA: 0s - loss: 0.6194 - accuracy: 0.8851
630/750 [=====>.....] - ETA: 0s - loss: 0.6181 - accuracy: 0.8850
700/750 [=====>..] - ETA: 0s - loss: 0.6197 - accuracy: 0.8842
750/750 [=====] - 1s 869us/step - loss: 0.6221 - accuracy: 0.8834 - val_loss: 0.6662 - val_accuracy: 0.8645
Epoch 151/220

1/750 [.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.8906
73/750 [=>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.8883
146/750 [====>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.8830
217/750 [=====>.....] - ETA: 0s - loss: 0.6220 - accuracy: 0.8823
289/750 [=====>.....] - ETA: 0s - loss: 0.6249 - accuracy: 0.8816
361/750 [=====>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.8839
433/750 [=====>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.8840
506/750 [=====>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.8832
577/750 [=====>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.8839
647/750 [=====>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.8836
719/750 [=====>..] - ETA: 0s - loss: 0.6202 - accuracy: 0.8833
750/750 [=====] - 1s 852us/step - loss: 0.6207 - accuracy: 0.8832 - val_loss: 0.6617 - val_accuracy: 0.8674
Epoch 152/220

1/750 [.....] - ETA: 0s - loss: 0.6899 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.6119 - accuracy: 0.8904
145/750 [====>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.8858
210/750 [=====>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.8855
280/750 [=====>.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.8854
353/750 [=====>.....] - ETA: 0s - loss: 0.6198 - accuracy: 0.8837

424/750 [=====>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.8844
496/750 [=====>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.8835
567/750 [=====>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.8835
639/750 [=====>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.8840
711/750 [=====>..] - ETA: 0s - loss: 0.6189 - accuracy: 0.8837
750/750 [=====] - 1s 858us/step - loss: 0.6195 - accuracy: 0.8835 - val_loss: 0.6630 - val_accuracy: 0.8666
Epoch 153/220

1/750 [.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.8878
144/750 [====>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.8870
215/750 [=====>.....] - ETA: 0s - loss: 0.6142 - accuracy: 0.8875
287/750 [=====>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.8868
359/750 [=====>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.8846
432/750 [=====>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.8846
502/750 [=====>.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.8836
574/750 [=====>.....] - ETA: 0s - loss: 0.6179 - accuracy: 0.8848
648/750 [=====>.....] - ETA: 0s - loss: 0.6171 - accuracy: 0.8851
718/750 [=====>..] - ETA: 0s - loss: 0.6179 - accuracy: 0.8850
750/750 [=====] - 1s 862us/step - loss: 0.6184 - accuracy: 0.8847 - val_loss: 0.6658 - val_accuracy: 0.8643
Epoch 154/220

1/750 [.....] - ETA: 0s - loss: 0.5440 - accuracy: 0.9062
69/750 [=>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.8859
135/750 [====>.....] - ETA: 0s - loss: 0.6159 - accuracy: 0.8876
202/750 [=====>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.8873
269/750 [=====>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.8859

336/750 [=====>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.8865
403/750 [=====>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.8859
473/750 [=====>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.8860
542/750 [=====>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.8856
612/750 [=====>.....] - ETA: 0s - loss: 0.6152 - accuracy: 0.8862
681/750 [=====>...] - ETA: 0s - loss: 0.6175 - accuracy: 0.8851
750/750 [=====] - ETA: 0s - loss: 0.6174 - accuracy: 0.8851
750/750 [=====] - 1s 896us/step - loss: 0.6174 - accuracy: 0.8851 - val_loss: 0.6631 - val_accuracy: 0.8654
Epoch 155/220

1/750 [.....] - ETA: 0s - loss: 0.6447 - accuracy: 0.8750
69/750 [=>.....] - ETA: 0s - loss: 0.6179 - accuracy: 0.8825
140/750 [===>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.8834
209/750 [=====>.....] - ETA: 0s - loss: 0.6127 - accuracy: 0.8855
277/750 [=====>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.8866
348/750 [=====>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.8864
419/750 [=====>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.8875
491/750 [=====>.....] - ETA: 0s - loss: 0.6127 - accuracy: 0.8866
560/750 [=====>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.8866
631/750 [=====>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.8864
705/750 [=====>..] - ETA: 0s - loss: 0.6166 - accuracy: 0.8850
750/750 [=====] - 1s 868us/step - loss: 0.6160 - accuracy: 0.8850 - val_loss: 0.6587 - val_accuracy: 0.8682
Epoch 156/220

1/750 [.....] - ETA: 0s - loss: 0.5240 - accuracy: 0.9062
69/750 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.8890
141/750 [===>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.8849

213/750 [=====>.....] - ETA: 0s - loss: 0.6105 - accuracy: 0.8856
282/750 [=====>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.8857
353/750 [=====>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.8858
423/750 [=====>.....] - ETA: 0s - loss: 0.6190 - accuracy: 0.8842
496/750 [=====>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.8835
569/750 [=====>.....] - ETA: 0s - loss: 0.6162 - accuracy: 0.8843
640/750 [=====>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.8845
709/750 [=====>..] - ETA: 0s - loss: 0.6145 - accuracy: 0.8846
750/750 [=====>.....] - 1s 861us/step - loss: 0.6148 - accuracy: 0.8845 - val_loss: 0.6594 - val_accuracy: 0.8680
Epoch 157/220

1/750 [.....] - ETA: 0s - loss: 0.6964 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.8786
143/750 [=====>.....] - ETA: 0s - loss: 0.6231 - accuracy: 0.8820
216/750 [=====>.....] - ETA: 0s - loss: 0.6171 - accuracy: 0.8829
287/750 [=====>.....] - ETA: 0s - loss: 0.6128 - accuracy: 0.8852
359/750 [=====>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.8847
430/750 [=====>.....] - ETA: 0s - loss: 0.6152 - accuracy: 0.8851
501/750 [=====>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.8846
573/750 [=====>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.8858
645/750 [=====>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.8851
716/750 [=====>..] - ETA: 0s - loss: 0.6137 - accuracy: 0.8854
750/750 [=====>.....] - 1s 858us/step - loss: 0.6137 - accuracy: 0.8853 - val_loss: 0.6573 - val_accuracy: 0.8683
Epoch 158/220

1/750 [.....] - ETA: 0s - loss: 0.6224 - accuracy: 0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.8999

143/750 [====>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.8937
213/750 [=====>.....] - ETA: 0s - loss: 0.5956 - accuracy: 0.8961
284/750 [=====>.....] - ETA: 0s - loss: 0.5954 - accuracy: 0.8955
351/750 [=====>.....] - ETA: 0s - loss: 0.5987 - accuracy: 0.8933
421/750 [=====>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8906
495/750 [=====>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.8906
565/750 [=====>.....] - ETA: 0s - loss: 0.6086 - accuracy: 0.8887
638/750 [=====>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.8880
711/750 [=====>..] - ETA: 0s - loss: 0.6119 - accuracy: 0.8873
750/750 [=====] - 1s 856us/step - loss: 0.6121 - accuracy: 0.8871 - val_loss: 0.6581 - val_accuracy: 0.8668
Epoch 159/220

1/750 [.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.8865
142/750 [====>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.8874
215/750 [=====>.....] - ETA: 0s - loss: 0.6074 - accuracy: 0.8887
284/750 [=====>.....] - ETA: 0s - loss: 0.6074 - accuracy: 0.8886
357/750 [=====>.....] - ETA: 0s - loss: 0.6108 - accuracy: 0.8877
428/750 [=====>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.8859
498/750 [=====>.....] - ETA: 0s - loss: 0.6113 - accuracy: 0.8861
569/750 [=====>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.8859
641/750 [=====>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.8855
713/750 [=====>..] - ETA: 0s - loss: 0.6111 - accuracy: 0.8859
750/750 [=====] - 1s 858us/step - loss: 0.6109 - accuracy: 0.8857 - val_loss: 0.6564 - val_accuracy: 0.8677
Epoch 160/220

1/750 [.....] - ETA: 0s - loss: 0.6304 - accuracy: 0.8594

73/750 [=>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.8855
145/750 [====>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.8856
217/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.8863
290/750 [=====>.....] - ETA: 0s - loss: 0.6080 - accuracy: 0.8859
361/750 [=====>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.8866
434/750 [=====>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.8867
506/750 [=====>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.8870
576/750 [=====>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.8860
648/750 [=====>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.8859
720/750 [=====>..] - ETA: 0s - loss: 0.6109 - accuracy: 0.8857
750/750 [=====] - 1s 856us/step - loss: 0.6100 - accuracy: 0.8859 - val_loss: 0.6531 - val_accuracy: 0.8683
Epoch 161/220

1/750 [.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.8830
147/750 [====>.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.8870
219/750 [=====>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.8845
291/750 [=====>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.8864
362/750 [=====>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.8877
430/750 [=====>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.8864
502/750 [=====>.....] - ETA: 0s - loss: 0.6097 - accuracy: 0.8865
574/750 [=====>.....] - ETA: 0s - loss: 0.6088 - accuracy: 0.8866
645/750 [=====>.....] - ETA: 0s - loss: 0.6093 - accuracy: 0.8864
716/750 [=====>..] - ETA: 0s - loss: 0.6090 - accuracy: 0.8868
750/750 [=====] - 1s 854us/step - loss: 0.6089 - accuracy: 0.8869 - val_loss: 0.6521 - val_accuracy: 0.8679
Epoch 162/220

1/750 [.....] - ETA: 0s - loss: 0.5555 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8887
146/750 [====>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.8888
219/750 [=====>.....] - ETA: 0s - loss: 0.6047 - accuracy: 0.8894
290/750 [======>.....] - ETA: 0s - loss: 0.6067 - accuracy: 0.8876
362/750 [======>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.8861
436/750 [======>.....] - ETA: 0s - loss: 0.6101 - accuracy: 0.8860
505/750 [======>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.8856
578/750 [======>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.8862
650/750 [======>....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8870
720/750 [======>..] - ETA: 0s - loss: 0.6069 - accuracy: 0.8874
750/750 [=====] - 1s 858us/step - loss: 0.6081 - accuracy: 0.8872 - val_loss: 0.6534 - val_accuracy: 0.8683
Epoch 163/220

1/750 [.....] - ETA: 0s - loss: 0.6816 - accuracy: 0.8438
73/750 [=>.....] - ETA: 0s - loss: 0.6136 - accuracy: 0.8855
142/750 [====>.....] - ETA: 0s - loss: 0.6097 - accuracy: 0.8872
213/750 [=====>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.8875
285/750 [======>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8872
356/750 [======>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.8865
428/750 [======>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.8873
501/750 [======>.....] - ETA: 0s - loss: 0.6049 - accuracy: 0.8883
573/750 [======>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.8877
644/750 [======>....] - ETA: 0s - loss: 0.6073 - accuracy: 0.8865
714/750 [======>..] - ETA: 0s - loss: 0.6065 - accuracy: 0.8869
750/750 [=====] - 1s 860us/step - loss: 0.6066 - accuracy: 0.8869 - val_loss: 0.6560 - val_accuracy: 0.8680

Epoch 164/220

```
1/750 [.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.8281
72/750 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.8943
144/750 [====>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.8954
213/750 [=====>.....] - ETA: 0s - loss: 0.6003 - accuracy: 0.8925
286/750 [======>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.8910
357/750 [======>.....] - ETA: 0s - loss: 0.6039 - accuracy: 0.8900
429/750 [======>.....] - ETA: 0s - loss: 0.6039 - accuracy: 0.8895
495/750 [======>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.8889
565/750 [======>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.8886
637/750 [======>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.8876
709/750 [======>..] - ETA: 0s - loss: 0.6062 - accuracy: 0.8872
750/750 [=====] - 1s 864us/step - loss: 0.6053 - accuracy: 0.8877 - val_loss: 0.6527 - val_accuracy: 0.8682
Epoch 165/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.9062
72/750 [=>.....] - ETA: 0s - loss: 0.6227 - accuracy: 0.8830
142/750 [====>.....] - ETA: 0s - loss: 0.6071 - accuracy: 0.8883
214/750 [=====>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.8888
284/750 [======>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.8883
354/750 [======>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.8876
425/750 [======>.....] - ETA: 0s - loss: 0.6053 - accuracy: 0.8885
496/750 [======>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.8876
566/750 [======>.....] - ETA: 0s - loss: 0.6048 - accuracy: 0.8881
636/750 [======>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.8881
705/750 [======>..] - ETA: 0s - loss: 0.6037 - accuracy: 0.8875
```

750/750 [=====] - 1s 869us/step - loss: 0.6043 - accuracy:
0.8870 - val_loss: 0.6537 - val_accuracy: 0.8688
Epoch 166/220

1/750 [.....] - ETA: 0s - loss: 0.6440 - accuracy:
0.8750
71/750 [=>.....] - ETA: 0s - loss: 0.5960 - accuracy:
0.8922
142/750 [====>.....] - ETA: 0s - loss: 0.6016 - accuracy:
0.8875
213/750 [=====>.....] - ETA: 0s - loss: 0.6047 - accuracy:
0.8864
284/750 [======>.....] - ETA: 0s - loss: 0.6069 - accuracy:
0.8862
353/750 [======>.....] - ETA: 0s - loss: 0.6050 - accuracy:
0.8854
423/750 [======>.....] - ETA: 0s - loss: 0.6057 - accuracy:
0.8865
495/750 [======>.....] - ETA: 0s - loss: 0.6076 - accuracy:
0.8861
567/750 [======>.....] - ETA: 0s - loss: 0.6044 - accuracy:
0.8875
637/750 [======>.....] - ETA: 0s - loss: 0.6039 - accuracy:
0.8876
708/750 [======>..] - ETA: 0s - loss: 0.6034 - accuracy:
0.8878
750/750 [=====] - 1s 865us/step - loss: 0.6032 - accuracy:
0.8878 - val_loss: 0.6504 - val_accuracy: 0.8674
Epoch 167/220

1/750 [.....] - ETA: 0s - loss: 0.5337 - accuracy:
0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.6020 - accuracy:
0.8874
144/750 [====>.....] - ETA: 0s - loss: 0.5996 - accuracy:
0.8905
215/750 [=====>.....] - ETA: 0s - loss: 0.6039 - accuracy:
0.8898
286/750 [======>.....] - ETA: 0s - loss: 0.6000 - accuracy:
0.8899
358/750 [======>.....] - ETA: 0s - loss: 0.6036 - accuracy:
0.8887
429/750 [======>.....] - ETA: 0s - loss: 0.6038 - accuracy:
0.8893
501/750 [======>.....] - ETA: 0s - loss: 0.6017 - accuracy:
0.8893
567/750 [======>.....] - ETA: 0s - loss: 0.6013 - accuracy:
0.8891
638/750 [======>.....] - ETA: 0s - loss: 0.6024 - accuracy:
0.8889

710/750 [=====>..] - ETA: 0s - loss: 0.6017 - accuracy:
0.8889
750/750 [=====] - 1s 862us/step - loss: 0.6014 - accuracy:
0.8888 - val_loss: 0.6498 - val_accuracy: 0.8683
Epoch 168/220

1/750 [.....] - ETA: 0s - loss: 0.7039 - accuracy:
0.8438
70/750 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy:
0.8915
142/750 [====>.....] - ETA: 0s - loss: 0.5954 - accuracy:
0.8881
214/750 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy:
0.8868
283/750 [======>.....] - ETA: 0s - loss: 0.5986 - accuracy:
0.8861
352/750 [======>.....] - ETA: 0s - loss: 0.5983 - accuracy:
0.8873
423/750 [======>.....] - ETA: 0s - loss: 0.5981 - accuracy:
0.8876
494/750 [======>.....] - ETA: 0s - loss: 0.5998 - accuracy:
0.8875
564/750 [======>.....] - ETA: 0s - loss: 0.6025 - accuracy:
0.8873
633/750 [======>.....] - ETA: 0s - loss: 0.6016 - accuracy:
0.8876
704/750 [======>..] - ETA: 0s - loss: 0.6007 - accuracy:
0.8877
750/750 [=====] - 1s 868us/step - loss: 0.6005 - accuracy:
0.8878 - val_loss: 0.6472 - val_accuracy: 0.8697
Epoch 169/220

1/750 [.....] - ETA: 0s - loss: 0.5308 - accuracy:
0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.6150 - accuracy:
0.8816
142/750 [====>.....] - ETA: 0s - loss: 0.6107 - accuracy:
0.8874
210/750 [=====>.....] - ETA: 0s - loss: 0.6050 - accuracy:
0.8897
281/750 [======>.....] - ETA: 0s - loss: 0.6010 - accuracy:
0.8904
351/750 [======>.....] - ETA: 0s - loss: 0.5977 - accuracy:
0.8908
422/750 [======>.....] - ETA: 0s - loss: 0.5978 - accuracy:
0.8914
493/750 [======>.....] - ETA: 0s - loss: 0.5972 - accuracy:
0.8909
564/750 [======>.....] - ETA: 0s - loss: 0.5981 - accuracy:
0.8902

636/750 [=====>.....] - ETA: 0s - loss: 0.5978 - accuracy: 0.8906
707/750 [=====>..] - ETA: 0s - loss: 0.5990 - accuracy: 0.8900
750/750 [=====] - 1s 869us/step - loss: 0.5997 - accuracy: 0.8894 - val_loss: 0.6462 - val_accuracy: 0.8702
Epoch 170/220

1/750 [.....] - ETA: 0s - loss: 0.6813 - accuracy: 0.8750
71/750 [=>.....] - ETA: 0s - loss: 0.5996 - accuracy: 0.8871
142/750 [====>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.8896
211/750 [=====>.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.8875
282/750 [=====>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.8874
339/750 [=====>.....] - ETA: 0s - loss: 0.5987 - accuracy: 0.8870
409/750 [=====>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.8882
479/750 [=====>.....] - ETA: 0s - loss: 0.5979 - accuracy: 0.8877
550/750 [=====>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.8884
616/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8896
687/750 [=====>...] - ETA: 0s - loss: 0.5975 - accuracy: 0.8890
750/750 [=====] - 1s 891us/step - loss: 0.5982 - accuracy: 0.8892 - val_loss: 0.6493 - val_accuracy: 0.8690
Epoch 171/220

1/750 [.....] - ETA: 0s - loss: 0.5461 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.8928
143/750 [====>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.8861
212/750 [=====>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.8896
284/750 [=====>.....] - ETA: 0s - loss: 0.6031 - accuracy: 0.8882
356/750 [=====>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.8870
426/750 [=====>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.8872
496/750 [=====>.....] - ETA: 0s - loss: 0.6012 - accuracy: 0.8879

568/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.8885
638/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.8888
709/750 [=====>..] - ETA: 0s - loss: 0.5978 - accuracy: 0.8884
750/750 [=====] - 1s 866us/step - loss: 0.5973 - accuracy: 0.8886 - val_loss: 0.6457 - val_accuracy: 0.8690
Epoch 172/220

1/750 [.....] - ETA: 0s - loss: 0.6357 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.8826
143/750 [====>.....] - ETA: 0s - loss: 0.6051 - accuracy: 0.8854
209/750 [=====>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.8867
279/750 [=====>.....] - ETA: 0s - loss: 0.6021 - accuracy: 0.8882
348/750 [=====>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.8881
420/750 [=====>.....] - ETA: 0s - loss: 0.6026 - accuracy: 0.8883
491/750 [=====>.....] - ETA: 0s - loss: 0.6009 - accuracy: 0.8882
562/750 [=====>.....] - ETA: 0s - loss: 0.6005 - accuracy: 0.8881
632/750 [=====>.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.8888
703/750 [=====>..] - ETA: 0s - loss: 0.5979 - accuracy: 0.8887
750/750 [=====] - 1s 870us/step - loss: 0.5971 - accuracy: 0.8889 - val_loss: 0.6445 - val_accuracy: 0.8692
Epoch 173/220

1/750 [.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.6040 - accuracy: 0.8829
142/750 [====>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.8847
213/750 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.8880
285/750 [=====>.....] - ETA: 0s - loss: 0.5951 - accuracy: 0.8888
356/750 [=====>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.8886
426/750 [=====>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.8899

496/750 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8897
566/750 [=====>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.8888
637/750 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8893
703/750 [=====>..] - ETA: 0s - loss: 0.5948 - accuracy: 0.8902
750/750 [=====] - 1s 869us/step - loss: 0.5951 - accuracy: 0.8901 - val_loss: 0.6435 - val_accuracy: 0.8717
Epoch 174/220

1/750 [.....] - ETA: 0s - loss: 0.7526 - accuracy: 0.8438
71/750 [=>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.8966
142/750 [====>.....] - ETA: 0s - loss: 0.5880 - accuracy: 0.8943
212/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8940
282/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.8924
355/750 [=====>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.8919
426/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.8916
496/750 [=====>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.8907
566/750 [=====>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.8902
637/750 [=====>.....] - ETA: 0s - loss: 0.5917 - accuracy: 0.8900
709/750 [=====>..] - ETA: 0s - loss: 0.5946 - accuracy: 0.8891
750/750 [=====] - 1s 869us/step - loss: 0.5943 - accuracy: 0.8893 - val_loss: 0.6453 - val_accuracy: 0.8683
Epoch 175/220

1/750 [.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8906
69/750 [=>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.8920
140/750 [====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8901
213/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8917
278/750 [=====>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.8901
350/750 [=====>.....] - ETA: 0s - loss: 0.5982 - accuracy: 0.8889

420/750 [=====>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.8891
490/750 [=====>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.8899
561/750 [=====>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.8903
632/750 [=====>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.8898
703/750 [=====>..] - ETA: 0s - loss: 0.5923 - accuracy: 0.8906
750/750 [=====] - 1s 866us/step - loss: 0.5929 - accuracy: 0.8907 - val_loss: 0.6456 - val_accuracy: 0.8702
Epoch 176/220

1/750 [.....] - ETA: 0s - loss: 0.5370 - accuracy: 0.8906
70/750 [=>.....] - ETA: 0s - loss: 0.6046 - accuracy: 0.8882
140/750 [====>.....] - ETA: 0s - loss: 0.5963 - accuracy: 0.8908
212/750 [=====>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.8921
281/750 [=====>.....] - ETA: 0s - loss: 0.5892 - accuracy: 0.8915
352/750 [=====>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.8909
422/750 [=====>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.8907
492/750 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.8893
564/750 [=====>.....] - ETA: 0s - loss: 0.5921 - accuracy: 0.8895
634/750 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.8899
705/750 [=====>..] - ETA: 0s - loss: 0.5920 - accuracy: 0.8901
750/750 [=====] - 1s 872us/step - loss: 0.5920 - accuracy: 0.8900 - val_loss: 0.6414 - val_accuracy: 0.8710
Epoch 177/220

1/750 [.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.9375
72/750 [=>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.8941
143/750 [====>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.8901
215/750 [=====>.....] - ETA: 0s - loss: 0.5949 - accuracy: 0.8891
287/750 [=====>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.8900

358/750 [=====>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.8898
428/750 [=====>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.8908
499/750 [=====>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.8917
570/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8923
641/750 [=====>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.8918
708/750 [=====>..] - ETA: 0s - loss: 0.5890 - accuracy: 0.8919
750/750 [=====] - 1s 866us/step - loss: 0.5906 - accuracy: 0.8914 - val_loss: 0.6421 - val_accuracy: 0.8687
Epoch 178/220

1/750 [.....] - ETA: 0s - loss: 0.5529 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.8882
139/750 [====>.....] - ETA: 0s - loss: 0.5870 - accuracy: 0.8894
209/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8895
280/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8908
348/750 [=====>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.8904
419/750 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.8889
490/750 [=====>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8892
562/750 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.8898
631/750 [=====>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.8901
704/750 [=====>..] - ETA: 0s - loss: 0.5898 - accuracy: 0.8899
750/750 [=====] - 1s 862us/step - loss: 0.5900 - accuracy: 0.8901 - val_loss: 0.6434 - val_accuracy: 0.8692
Epoch 179/220

1/750 [.....] - ETA: 0s - loss: 0.6029 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.8878
142/750 [====>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.8939
212/750 [=====>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.8931

281/750 [=====>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.8925
354/750 [=====>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.8921
423/750 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.8923
492/750 [=====>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.8914
564/750 [=====>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.8917
635/750 [=====>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.8911
705/750 [=====>..] - ETA: 0s - loss: 0.5890 - accuracy: 0.8914
750/750 [=====] - 1s 869us/step - loss: 0.5889 - accuracy: 0.8913 - val_loss: 0.6402 - val_accuracy: 0.8692
Epoch 180/220

1/750 [.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.9062
70/750 [=>.....] - ETA: 0s - loss: 0.5756 - accuracy: 0.8951
141/750 [===>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.8916
214/750 [=====>.....] - ETA: 0s - loss: 0.5851 - accuracy: 0.8919
282/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.8925
352/750 [=====>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8921
424/750 [=====>.....] - ETA: 0s - loss: 0.5851 - accuracy: 0.8917
494/750 [=====>.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.8926
565/750 [=====>.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.8925
633/750 [=====>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8922
704/750 [=====>..] - ETA: 0s - loss: 0.5859 - accuracy: 0.8924
750/750 [=====] - 1s 868us/step - loss: 0.5877 - accuracy: 0.8916 - val_loss: 0.6402 - val_accuracy: 0.8706
Epoch 181/220

1/750 [.....] - ETA: 0s - loss: 0.5293 - accuracy: 0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8959
141/750 [===>.....] - ETA: 0s - loss: 0.5855 - accuracy: 0.8887

213/750 [=====>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.8900
281/750 [=====>.....] - ETA: 0s - loss: 0.5831 - accuracy: 0.8919
349/750 [=====>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.8913
417/750 [=====>.....] - ETA: 0s - loss: 0.5887 - accuracy: 0.8908
489/750 [=====>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.8903
561/750 [=====>.....] - ETA: 0s - loss: 0.5891 - accuracy: 0.8904
632/750 [=====>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.8916
703/750 [=====>..] - ETA: 0s - loss: 0.5877 - accuracy: 0.8916
750/750 [=====>.....] - 1s 862us/step - loss: 0.5868 - accuracy: 0.8919 - val_loss: 0.6381 - val_accuracy: 0.8711
Epoch 182/220

1/750 [.....] - ETA: 0s - loss: 0.6182 - accuracy: 0.9062
73/750 [=>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.8943
146/750 [=====>.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.8951
217/750 [=====>.....] - ETA: 0s - loss: 0.5796 - accuracy: 0.8954
288/750 [=====>.....] - ETA: 0s - loss: 0.5807 - accuracy: 0.8940
362/750 [=====>.....] - ETA: 0s - loss: 0.5839 - accuracy: 0.8928
433/750 [=====>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.8928
506/750 [=====>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.8920
579/750 [=====>.....] - ETA: 0s - loss: 0.5850 - accuracy: 0.8922
648/750 [=====>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.8922
717/750 [=====>..] - ETA: 0s - loss: 0.5863 - accuracy: 0.8916
750/750 [=====>.....] - 1s 857us/step - loss: 0.5850 - accuracy: 0.8920 - val_loss: 0.6395 - val_accuracy: 0.8703
Epoch 183/220

1/750 [.....] - ETA: 0s - loss: 0.5611 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.8994

144/750 [====>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.8952
217/750 [=====>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.8928
288/750 [=====>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.8924
362/750 [======>.....] - ETA: 0s - loss: 0.5817 - accuracy: 0.8927
436/750 [======>.....] - ETA: 0s - loss: 0.5841 - accuracy: 0.8917
508/750 [======>.....] - ETA: 0s - loss: 0.5850 - accuracy: 0.8920
580/750 [======>.....] - ETA: 0s - loss: 0.5869 - accuracy: 0.8921
654/750 [======>....] - ETA: 0s - loss: 0.5866 - accuracy: 0.8922
724/750 [======>..] - ETA: 0s - loss: 0.5853 - accuracy: 0.8924
750/750 [=====] - 1s 849us/step - loss: 0.5848 - accuracy: 0.8925 - val_loss: 0.6364 - val_accuracy: 0.8703
Epoch 184/220

1/750 [.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8906
146/750 [====>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.8888
216/750 [=====>.....] - ETA: 0s - loss: 0.5869 - accuracy: 0.8895
287/750 [=====>.....] - ETA: 0s - loss: 0.5884 - accuracy: 0.8893
359/750 [======>.....] - ETA: 0s - loss: 0.5844 - accuracy: 0.8907
429/750 [======>.....] - ETA: 0s - loss: 0.5880 - accuracy: 0.8891
498/750 [======>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.8897
568/750 [======>.....] - ETA: 0s - loss: 0.5845 - accuracy: 0.8914
640/750 [======>....] - ETA: 0s - loss: 0.5846 - accuracy: 0.8913
713/750 [======>..] - ETA: 0s - loss: 0.5844 - accuracy: 0.8917
750/750 [=====] - 1s 856us/step - loss: 0.5836 - accuracy: 0.8922 - val_loss: 0.6396 - val_accuracy: 0.8697
Epoch 185/220

1/750 [.....] - ETA: 0s - loss: 0.5640 - accuracy: 0.9062

70/750 [=>.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.8853
141/750 [====>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.8886
214/750 [=====>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8898
285/750 [======>.....] - ETA: 0s - loss: 0.5809 - accuracy: 0.8921
358/750 [======>.....] - ETA: 0s - loss: 0.5802 - accuracy: 0.8917
429/750 [======>.....] - ETA: 0s - loss: 0.5797 - accuracy: 0.8927
500/750 [======>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.8922
575/750 [======>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.8921
646/750 [======>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.8933
717/750 [======>..] - ETA: 0s - loss: 0.5826 - accuracy: 0.8923
750/750 [=====] - 1s 850us/step - loss: 0.5827 - accuracy: 0.8925 - val_loss: 0.6349 - val_accuracy: 0.8725
Epoch 186/220

1/750 [.....] - ETA: 0s - loss: 0.5224 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.5764 - accuracy: 0.8967
141/750 [====>.....] - ETA: 0s - loss: 0.5756 - accuracy: 0.8938
213/750 [=====>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.8919
282/750 [======>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.8947
354/750 [======>.....] - ETA: 0s - loss: 0.5745 - accuracy: 0.8955
426/750 [======>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.8955
495/750 [======>.....] - ETA: 0s - loss: 0.5815 - accuracy: 0.8941
567/750 [======>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.8931
641/750 [======>.....] - ETA: 0s - loss: 0.5823 - accuracy: 0.8926
711/750 [======>..] - ETA: 0s - loss: 0.5813 - accuracy: 0.8929
750/750 [=====] - 1s 864us/step - loss: 0.5813 - accuracy: 0.8927 - val_loss: 0.6364 - val_accuracy: 0.8706
Epoch 187/220

1/750 [.....] - ETA: 0s - loss: 0.6180 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.8878
146/750 [====>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.8952
218/750 [=====>.....] - ETA: 0s - loss: 0.5784 - accuracy: 0.8933
291/750 [======>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.8907
361/750 [======>.....] - ETA: 0s - loss: 0.5807 - accuracy: 0.8916
433/750 [======>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.8914
504/750 [======>.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.8911
575/750 [======>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.8914
640/750 [======>.....] - ETA: 0s - loss: 0.5815 - accuracy: 0.8911
712/750 [======>..] - ETA: 0s - loss: 0.5793 - accuracy: 0.8922
750/750 [=====] - 1s 861us/step - loss: 0.5802 - accuracy: 0.8917 - val_loss: 0.6363 - val_accuracy: 0.8711
Epoch 188/220

1/750 [.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.8594
72/750 [=>.....] - ETA: 0s - loss: 0.5619 - accuracy: 0.8978
145/750 [====>.....] - ETA: 0s - loss: 0.5638 - accuracy: 0.8995
219/750 [=====>.....] - ETA: 0s - loss: 0.5714 - accuracy: 0.8970
289/750 [======>.....] - ETA: 0s - loss: 0.5743 - accuracy: 0.8950
362/750 [======>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.8939
435/750 [======>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.8948
507/750 [======>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8943
579/750 [======>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.8934
650/750 [======>....] - ETA: 0s - loss: 0.5801 - accuracy: 0.8925
722/750 [======>..] - ETA: 0s - loss: 0.5801 - accuracy: 0.8924
750/750 [=====] - 1s 853us/step - loss: 0.5791 - accuracy: 0.8926 - val_loss: 0.6351 - val_accuracy: 0.8729

Epoch 189/220

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1/750 [.....] - ETA: 0s - loss: 0.6802 - accuracy: 0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.8944
146/750 [====>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.8930
215/750 [=====>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.8956
286/750 [======>.....] - ETA: 0s - loss: 0.5745 - accuracy: 0.8954
360/750 [======>.....] - ETA: 0s - loss: 0.5732 - accuracy: 0.8957
431/750 [======>.....] - ETA: 0s - loss: 0.5766 - accuracy: 0.8944
503/750 [======>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.8939
573/750 [======>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.8927
647/750 [======>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.8927
719/750 [======>..] - ETA: 0s - loss: 0.5787 - accuracy: 0.8928
750/750 [=====] - 1s 852us/step - loss: 0.5780 - accuracy: 0.8933 - val_loss: 0.6353 - val_accuracy: 0.8709
Epoch 190/220
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1/750 [.....] - ETA: 0s - loss: 0.4856 - accuracy: 0.9375
71/750 [=>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.8948
143/750 [====>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.8962
213/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8943
286/750 [======>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8937
358/750 [======>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.8926
429/750 [======>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8936
500/750 [======>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8938
571/750 [======>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8938
642/750 [======>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8938
711/750 [======>..] - ETA: 0s - loss: 0.5759 - accuracy: 0.8939
```

750/750 [=====] - 1s 857us/step - loss: 0.5771 - accuracy: 0.8934 - val_loss: 0.6317 - val_accuracy: 0.8717
Epoch 191/220

1/750 [.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.8438
70/750 [=>.....] - ETA: 0s - loss: 0.5749 - accuracy: 0.8946
142/750 [====>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.8955
214/750 [=====>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.8944
286/750 [======>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.8936
359/750 [======>.....] - ETA: 0s - loss: 0.5784 - accuracy: 0.8925
430/750 [======>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.8930
503/750 [======>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.8930
574/750 [======>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.8928
645/750 [======>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.8933
718/750 [======>..] - ETA: 0s - loss: 0.5765 - accuracy: 0.8938
750/750 [=====] - 1s 862us/step - loss: 0.5764 - accuracy: 0.8938 - val_loss: 0.6365 - val_accuracy: 0.8711
Epoch 192/220

1/750 [.....] - ETA: 0s - loss: 0.5851 - accuracy: 0.8750
70/750 [=>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.9029
142/750 [====>.....] - ETA: 0s - loss: 0.5688 - accuracy: 0.8998
213/750 [=====>.....] - ETA: 0s - loss: 0.5709 - accuracy: 0.8963
281/750 [======>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.8965
354/750 [======>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.8935
427/750 [======>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.8933
499/750 [======>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.8938
569/750 [======>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.8938
642/750 [======>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.8938

714/750 [=====>..] - ETA: 0s - loss: 0.5751 - accuracy:
0.8941
750/750 [=====] - 1s 860us/step - loss: 0.5749 - accuracy:
0.8940 - val_loss: 0.6311 - val_accuracy: 0.8723
Epoch 193/220

1/750 [.....] - ETA: 0s - loss: 0.4611 - accuracy:
0.9531
69/750 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy:
0.8947
140/750 [====>.....] - ETA: 0s - loss: 0.5759 - accuracy:
0.8941
208/750 [=====>.....] - ETA: 0s - loss: 0.5809 - accuracy:
0.8925
280/750 [======>.....] - ETA: 0s - loss: 0.5772 - accuracy:
0.8932
353/750 [======>.....] - ETA: 0s - loss: 0.5770 - accuracy:
0.8932
423/750 [======>.....] - ETA: 0s - loss: 0.5782 - accuracy:
0.8928
497/750 [======>.....] - ETA: 0s - loss: 0.5784 - accuracy:
0.8925
569/750 [======>.....] - ETA: 0s - loss: 0.5788 - accuracy:
0.8923
635/750 [======>.....] - ETA: 0s - loss: 0.5767 - accuracy:
0.8925
706/750 [======>..] - ETA: 0s - loss: 0.5755 - accuracy:
0.8929
750/750 [=====] - 1s 870us/step - loss: 0.5740 - accuracy:
0.8936 - val_loss: 0.6298 - val_accuracy: 0.8723
Epoch 194/220

1/750 [.....] - ETA: 0s - loss: 0.5875 - accuracy:
0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.5745 - accuracy:
0.8911
144/750 [====>.....] - ETA: 0s - loss: 0.5740 - accuracy:
0.8937
216/750 [=====>.....] - ETA: 0s - loss: 0.5711 - accuracy:
0.8985
288/750 [======>.....] - ETA: 0s - loss: 0.5702 - accuracy:
0.8976
361/750 [======>.....] - ETA: 0s - loss: 0.5711 - accuracy:
0.8966
432/750 [======>.....] - ETA: 0s - loss: 0.5733 - accuracy:
0.8952
504/750 [======>.....] - ETA: 0s - loss: 0.5742 - accuracy:
0.8948
577/750 [======>.....] - ETA: 0s - loss: 0.5735 - accuracy:
0.8943

648/750 [=====>.....] - ETA: 0s - loss: 0.5749 - accuracy: 0.8941
720/750 [=====>..] - ETA: 0s - loss: 0.5748 - accuracy: 0.8941
750/750 [=====] - 1s 852us/step - loss: 0.5737 - accuracy: 0.8946 - val_loss: 0.6291 - val_accuracy: 0.8728
Epoch 195/220

1/750 [.....] - ETA: 0s - loss: 0.4686 - accuracy: 0.9375
71/750 [=>.....] - ETA: 0s - loss: 0.5489 - accuracy: 0.9010
138/750 [====>.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.8955
207/750 [=====>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.8942
278/750 [=====>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.8955
346/750 [=====>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.8940
418/750 [=====>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.8943
490/750 [=====>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.8941
563/750 [=====>.....] - ETA: 0s - loss: 0.5717 - accuracy: 0.8946
636/750 [=====>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.8945
707/750 [=====>..] - ETA: 0s - loss: 0.5730 - accuracy: 0.8940
750/750 [=====] - 1s 866us/step - loss: 0.5718 - accuracy: 0.8945 - val_loss: 0.6311 - val_accuracy: 0.8696
Epoch 196/220

1/750 [.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.8594
71/750 [=>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.8900
145/750 [====>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8923
217/750 [=====>.....] - ETA: 0s - loss: 0.5719 - accuracy: 0.8943
288/750 [=====>.....] - ETA: 0s - loss: 0.5747 - accuracy: 0.8948
361/750 [=====>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.8948
432/750 [=====>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.8958
504/750 [=====>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.8955

576/750 [=====>.....] - ETA: 0s - loss: 0.5703 - accuracy: 0.8958
647/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8955
719/750 [=====>..] - ETA: 0s - loss: 0.5702 - accuracy: 0.8958
750/750 [=====] - 1s 868us/step - loss: 0.5707 - accuracy: 0.8955 - val_loss: 0.6302 - val_accuracy: 0.8715
Epoch 197/220

1/750 [.....] - ETA: 0s - loss: 0.6098 - accuracy: 0.8906
64/750 [=>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.8928
136/750 [====>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8955
209/750 [=====>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8963
279/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.8957
351/750 [=====>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.8954
422/750 [=====>.....] - ETA: 0s - loss: 0.5686 - accuracy: 0.8947
494/750 [=====>.....] - ETA: 0s - loss: 0.5679 - accuracy: 0.8951
566/750 [=====>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.8948
637/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8949
709/750 [=====>..] - ETA: 0s - loss: 0.5698 - accuracy: 0.8942
750/750 [=====] - 1s 865us/step - loss: 0.5702 - accuracy: 0.8944 - val_loss: 0.6283 - val_accuracy: 0.8719
Epoch 198/220

1/750 [.....] - ETA: 0s - loss: 0.6718 - accuracy: 0.8750
74/750 [=>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.8891
145/750 [====>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.8895
217/750 [=====>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.8917
286/750 [=====>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.8932
357/750 [=====>.....] - ETA: 0s - loss: 0.5757 - accuracy: 0.8929
428/750 [=====>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8926

498/750 [=====>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.8925
568/750 [=====>.....] - ETA: 0s - loss: 0.5712 - accuracy: 0.8937
639/750 [=====>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.8941
706/750 [=====>..] - ETA: 0s - loss: 0.5693 - accuracy: 0.8951
750/750 [=====] - 1s 870us/step - loss: 0.5691 - accuracy: 0.8954 - val_loss: 0.6328 - val_accuracy: 0.8713
Epoch 199/220

1/750 [.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.8906
74/750 [=>.....] - ETA: 0s - loss: 0.5646 - accuracy: 0.8995
145/750 [====>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.8997
218/750 [=====>.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.8983
291/750 [=====>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8982
361/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.8968
432/750 [=====>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.8951
504/750 [=====>.....] - ETA: 0s - loss: 0.5672 - accuracy: 0.8966
576/750 [=====>.....] - ETA: 0s - loss: 0.5667 - accuracy: 0.8965
647/750 [=====>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.8961
720/750 [=====>..] - ETA: 0s - loss: 0.5674 - accuracy: 0.8960
750/750 [=====] - 1s 853us/step - loss: 0.5679 - accuracy: 0.8958 - val_loss: 0.6317 - val_accuracy: 0.8711
Epoch 200/220

1/750 [.....] - ETA: 0s - loss: 0.5203 - accuracy: 0.8750
68/750 [=>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8987
136/750 [====>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8967
208/750 [=====>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.8984
275/750 [=====>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8976
341/750 [=====>.....] - ETA: 0s - loss: 0.5642 - accuracy: 0.8979

411/750 [=====>.....] - ETA: 0s - loss: 0.5655 - accuracy: 0.8970
481/750 [=====>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8974
553/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.8971
624/750 [=====>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8973
697/750 [=====>...] - ETA: 0s - loss: 0.5664 - accuracy: 0.8966
750/750 [=====] - 1s 880us/step - loss: 0.5667 - accuracy: 0.8962 - val_loss: 0.6269 - val_accuracy: 0.8736
Epoch 201/220

1/750 [.....] - ETA: 0s - loss: 0.6053 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.5621 - accuracy: 0.9010
145/750 [====>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8985
218/750 [=====>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.8974
290/750 [=====>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.8959
361/750 [=====>.....] - ETA: 0s - loss: 0.5643 - accuracy: 0.8954
434/750 [=====>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.8948
500/750 [=====>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.8946
570/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8953
644/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.8953
715/750 [=====>..] - ETA: 0s - loss: 0.5664 - accuracy: 0.8948
750/750 [=====] - 1s 852us/step - loss: 0.5661 - accuracy: 0.8951 - val_loss: 0.6249 - val_accuracy: 0.8714
Epoch 202/220

1/750 [.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.8438
72/750 [=>.....] - ETA: 0s - loss: 0.5520 - accuracy: 0.8963
143/750 [====>.....] - ETA: 0s - loss: 0.5608 - accuracy: 0.8955
215/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.8960
288/750 [=====>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.8967

360/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8977
430/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8979
502/750 [=====>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.8970
574/750 [=====>.....] - ETA: 0s - loss: 0.5660 - accuracy: 0.8956
645/750 [=====>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.8952
716/750 [=====>..] - ETA: 0s - loss: 0.5661 - accuracy: 0.8949
750/750 [=====] - 1s 856us/step - loss: 0.5652 - accuracy: 0.8952 - val_loss: 0.6282 - val_accuracy: 0.8708
Epoch 203/220

1/750 [.....] - ETA: 0s - loss: 0.5599 - accuracy: 0.8594
73/750 [=>.....] - ETA: 0s - loss: 0.5498 - accuracy: 0.9043
140/750 [====>.....] - ETA: 0s - loss: 0.5525 - accuracy: 0.9020
212/750 [=====>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.9004
283/750 [=====>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8994
355/750 [=====>.....] - ETA: 0s - loss: 0.5594 - accuracy: 0.8980
427/750 [=====>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8974
500/750 [=====>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.8972
571/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.8969
643/750 [=====>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.8968
716/750 [=====>..] - ETA: 0s - loss: 0.5636 - accuracy: 0.8961
750/750 [=====] - 1s 854us/step - loss: 0.5641 - accuracy: 0.8962 - val_loss: 0.6242 - val_accuracy: 0.8711
Epoch 204/220

1/750 [.....] - ETA: 0s - loss: 0.6173 - accuracy: 0.8281
73/750 [=>.....] - ETA: 0s - loss: 0.5666 - accuracy: 0.8900
145/750 [====>.....] - ETA: 0s - loss: 0.5675 - accuracy: 0.8898
219/750 [=====>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.8923

289/750 [=====>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.8928
362/750 [=====>.....] - ETA: 0s - loss: 0.5670 - accuracy: 0.8933
430/750 [=====>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.8943
500/750 [=====>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.8952
571/750 [=====>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8956
639/750 [=====>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8956
710/750 [=====>..] - ETA: 0s - loss: 0.5630 - accuracy: 0.8959
750/750 [=====] - 1s 860us/step - loss: 0.5633 - accuracy: 0.8959 - val_loss: 0.6233 - val_accuracy: 0.8733
Epoch 205/220

1/750 [.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.9219
74/750 [=>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.8951
144/750 [===>.....] - ETA: 0s - loss: 0.5619 - accuracy: 0.8968
216/750 [=====>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.8969
289/750 [=====>.....] - ETA: 0s - loss: 0.5621 - accuracy: 0.8961
361/750 [=====>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.8972
434/750 [=====>.....] - ETA: 0s - loss: 0.5616 - accuracy: 0.8973
505/750 [=====>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.8972
577/750 [=====>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.8974
649/750 [=====>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8958
721/750 [=====>..] - ETA: 0s - loss: 0.5621 - accuracy: 0.8963
750/750 [=====] - 1s 848us/step - loss: 0.5621 - accuracy: 0.8964 - val_loss: 0.6384 - val_accuracy: 0.8677
Epoch 206/220

1/750 [.....] - ETA: 0s - loss: 0.5012 - accuracy: 0.9219
71/750 [=>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.8922
143/750 [===>.....] - ETA: 0s - loss: 0.5718 - accuracy: 0.8925

211/750 [=====>.....] - ETA: 0s - loss: 0.5649 - accuracy: 0.8943
280/750 [=====>.....] - ETA: 0s - loss: 0.5685 - accuracy: 0.8934
353/750 [=====>.....] - ETA: 0s - loss: 0.5650 - accuracy: 0.8948
425/750 [=====>.....] - ETA: 0s - loss: 0.5651 - accuracy: 0.8953
496/750 [=====>.....] - ETA: 0s - loss: 0.5637 - accuracy: 0.8954
568/750 [=====>.....] - ETA: 0s - loss: 0.5635 - accuracy: 0.8957
641/750 [=====>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8960
714/750 [=====>..] - ETA: 0s - loss: 0.5615 - accuracy: 0.8965
750/750 [=====] - 1s 857us/step - loss: 0.5614 - accuracy: 0.8964 - val_loss: 0.6253 - val_accuracy: 0.8723
Epoch 207/220

1/750 [.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.9531
72/750 [=>.....] - ETA: 0s - loss: 0.5469 - accuracy: 0.9008
144/750 [====>.....] - ETA: 0s - loss: 0.5582 - accuracy: 0.8963
215/750 [=====>.....] - ETA: 0s - loss: 0.5653 - accuracy: 0.8939
287/750 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.8949
359/750 [=====>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.8943
431/750 [=====>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.8964
501/750 [=====>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.8974
572/750 [=====>.....] - ETA: 0s - loss: 0.5607 - accuracy: 0.8966
645/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8973
712/750 [=====>..] - ETA: 0s - loss: 0.5597 - accuracy: 0.8968
750/750 [=====] - 1s 860us/step - loss: 0.5605 - accuracy: 0.8964 - val_loss: 0.6212 - val_accuracy: 0.8752
Epoch 208/220

1/750 [.....] - ETA: 0s - loss: 0.4367 - accuracy: 0.9062
74/750 [=>.....] - ETA: 0s - loss: 0.5811 - accuracy: 0.8834

146/750 [====>.....] - ETA: 0s - loss: 0.5685 - accuracy: 0.8891
219/750 [=====>.....] - ETA: 0s - loss: 0.5644 - accuracy: 0.8926
291/750 [=====>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.8947
363/750 [=====>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8949
434/750 [=====>.....] - ETA: 0s - loss: 0.5617 - accuracy: 0.8952
507/750 [=====>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.8954
580/750 [=====>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.8963
651/750 [=====>....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8960
724/750 [=====>..] - ETA: 0s - loss: 0.5596 - accuracy: 0.8967
750/750 [=====>] - 1s 849us/step - loss: 0.5595 - accuracy: 0.8967 - val_loss: 0.6240 - val_accuracy: 0.8727
Epoch 209/220

1/750 [.....] - ETA: 0s - loss: 0.5045 - accuracy: 0.9375
70/750 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.9062
143/750 [====>.....] - ETA: 0s - loss: 0.5520 - accuracy: 0.8994
216/750 [=====>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.8989
287/750 [=====>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.8968
358/750 [=====>.....] - ETA: 0s - loss: 0.5537 - accuracy: 0.8973
428/750 [=====>.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.8974
501/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.8973
569/750 [=====>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.8971
640/750 [=====>....] - ETA: 0s - loss: 0.5573 - accuracy: 0.8973
712/750 [=====>..] - ETA: 0s - loss: 0.5577 - accuracy: 0.8971
750/750 [=====>] - 1s 862us/step - loss: 0.5585 - accuracy: 0.8967 - val_loss: 0.6255 - val_accuracy: 0.8719
Epoch 210/220

1/750 [.....] - ETA: 0s - loss: 0.5122 - accuracy: 0.9375

72/750 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.8932
143/750 [====>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.8939
214/750 [=====>.....] - ETA: 0s - loss: 0.5610 - accuracy: 0.8966
286/750 [=====>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.8964
356/750 [=====>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.8962
428/750 [=====>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.8960
499/750 [=====>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.8963
569/750 [=====>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.8968
640/750 [=====>.....] - ETA: 0s - loss: 0.5575 - accuracy: 0.8972
711/750 [=====>..] - ETA: 0s - loss: 0.5564 - accuracy: 0.8979
750/750 [=====] - 1s 866us/step - loss: 0.5571 - accuracy: 0.8976 - val_loss: 0.6193 - val_accuracy: 0.8729
Epoch 211/220

1/750 [.....] - ETA: 0s - loss: 0.4946 - accuracy: 0.9219
73/750 [=>.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.8951
144/750 [====>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.8978
216/750 [=====>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8976
288/750 [=====>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.8971
359/750 [=====>.....] - ETA: 0s - loss: 0.5527 - accuracy: 0.8981
430/750 [=====>.....] - ETA: 0s - loss: 0.5546 - accuracy: 0.8980
503/750 [=====>.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.8979
572/750 [=====>.....] - ETA: 0s - loss: 0.5575 - accuracy: 0.8969
644/750 [=====>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.8974
716/750 [=====>..] - ETA: 0s - loss: 0.5557 - accuracy: 0.8977
750/750 [=====] - 1s 858us/step - loss: 0.5568 - accuracy: 0.8972 - val_loss: 0.6209 - val_accuracy: 0.8736
Epoch 212/220

1/750 [.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.8906
72/750 [=>.....] - ETA: 0s - loss: 0.5372 - accuracy: 0.9041
143/750 [====>.....] - ETA: 0s - loss: 0.5400 - accuracy: 0.9042
215/750 [=====>.....] - ETA: 0s - loss: 0.5422 - accuracy: 0.9032
284/750 [======>.....] - ETA: 0s - loss: 0.5440 - accuracy: 0.9024
356/750 [======>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.9000
417/750 [======>.....] - ETA: 0s - loss: 0.5491 - accuracy: 0.9000
486/750 [======>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.9000
556/750 [======>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.8993
625/750 [======>.....] - ETA: 0s - loss: 0.5527 - accuracy: 0.8983
698/750 [======>...] - ETA: 0s - loss: 0.5534 - accuracy: 0.8981
750/750 [=====] - 1s 876us/step - loss: 0.5557 - accuracy: 0.8977 - val_loss: 0.6240 - val_accuracy: 0.8717
Epoch 213/220

1/750 [.....] - ETA: 0s - loss: 0.4452 - accuracy: 0.9219
72/750 [=>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.9000
143/750 [====>.....] - ETA: 0s - loss: 0.5506 - accuracy: 0.9011
214/750 [=====>.....] - ETA: 0s - loss: 0.5541 - accuracy: 0.8986
284/750 [======>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.8984
356/750 [======>.....] - ETA: 0s - loss: 0.5572 - accuracy: 0.8968
427/750 [======>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.8977
498/750 [======>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.8972
554/750 [======>.....] - ETA: 0s - loss: 0.5561 - accuracy: 0.8972
626/750 [======>.....] - ETA: 0s - loss: 0.5537 - accuracy: 0.8982
696/750 [======>...] - ETA: 0s - loss: 0.5549 - accuracy: 0.8976
750/750 [=====] - 1s 883us/step - loss: 0.5548 - accuracy: 0.8976 - val_loss: 0.6178 - val_accuracy: 0.8746

Epoch 214/220

```
1/750 [.....] - ETA: 0s - loss: 0.4358 - accuracy: 0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.5353 - accuracy: 0.9028
142/750 [====>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.9003
212/750 [=====>.....] - ETA: 0s - loss: 0.5468 - accuracy: 0.8992
284/750 [======>.....] - ETA: 0s - loss: 0.5452 - accuracy: 0.8998
353/750 [======>.....] - ETA: 0s - loss: 0.5498 - accuracy: 0.8987
426/750 [======>.....] - ETA: 0s - loss: 0.5493 - accuracy: 0.8990
497/750 [======>.....] - ETA: 0s - loss: 0.5481 - accuracy: 0.8992
570/750 [======>.....] - ETA: 0s - loss: 0.5506 - accuracy: 0.8987
642/750 [======>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.8988
712/750 [======>..] - ETA: 0s - loss: 0.5529 - accuracy: 0.8982
750/750 [=====] - 1s 862us/step - loss: 0.5537 - accuracy: 0.8982 - val_loss: 0.6194 - val_accuracy: 0.8746
Epoch 215/220
```

```
1/750 [.....] - ETA: 0s - loss: 0.4089 - accuracy: 0.9688
72/750 [=>.....] - ETA: 0s - loss: 0.5641 - accuracy: 0.8950
142/750 [====>.....] - ETA: 0s - loss: 0.5525 - accuracy: 0.8990
213/750 [=====>.....] - ETA: 0s - loss: 0.5500 - accuracy: 0.9008
284/750 [======>.....] - ETA: 0s - loss: 0.5488 - accuracy: 0.9020
357/750 [======>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.9001
428/750 [======>.....] - ETA: 0s - loss: 0.5506 - accuracy: 0.8996
498/750 [======>.....] - ETA: 0s - loss: 0.5532 - accuracy: 0.8986
566/750 [======>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.8982
637/750 [======>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.8985
711/750 [======>..] - ETA: 0s - loss: 0.5540 - accuracy: 0.8983
```

750/750 [=====] - 1s 861us/step - loss: 0.5535 - accuracy: 0.8984 - val_loss: 0.6148 - val_accuracy: 0.8742
Epoch 216/220

1/750 [.....] - ETA: 0s - loss: 0.5797 - accuracy: 0.8750
72/750 [=>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.9067
144/750 [====>.....] - ETA: 0s - loss: 0.5456 - accuracy: 0.9017
216/750 [=====>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.9029
288/750 [======>.....] - ETA: 0s - loss: 0.5455 - accuracy: 0.9026
362/750 [======>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.9010
434/750 [======>.....] - ETA: 0s - loss: 0.5495 - accuracy: 0.8994
504/750 [======>.....] - ETA: 0s - loss: 0.5518 - accuracy: 0.8983
577/750 [======>.....] - ETA: 0s - loss: 0.5523 - accuracy: 0.8983
647/750 [======>.....] - ETA: 0s - loss: 0.5517 - accuracy: 0.8986
719/750 [======>..] - ETA: 0s - loss: 0.5511 - accuracy: 0.8988
750/750 [=====] - 1s 853us/step - loss: 0.5517 - accuracy: 0.8981 - val_loss: 0.6221 - val_accuracy: 0.8721
Epoch 217/220

1/750 [.....] - ETA: 0s - loss: 0.4640 - accuracy: 0.9375
68/750 [=>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.9046
140/750 [====>.....] - ETA: 0s - loss: 0.5497 - accuracy: 0.9006
212/750 [=====>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.8995
282/750 [======>.....] - ETA: 0s - loss: 0.5478 - accuracy: 0.8999
354/750 [======>.....] - ETA: 0s - loss: 0.5500 - accuracy: 0.8995
426/750 [======>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.8992
497/750 [======>.....] - ETA: 0s - loss: 0.5513 - accuracy: 0.8984
568/750 [======>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.8977
641/750 [======>.....] - ETA: 0s - loss: 0.5524 - accuracy: 0.8975

712/750 [=====>..] - ETA: 0s - loss: 0.5500 - accuracy:
0.8987
750/750 [=====] - 1s 861us/step - loss: 0.5510 - accuracy:
0.8984 - val_loss: 0.6140 - val_accuracy: 0.8750
Epoch 218/220

1/750 [.....] - ETA: 0s - loss: 0.4719 - accuracy:
0.9531
73/750 [=>.....] - ETA: 0s - loss: 0.5352 - accuracy:
0.9030
145/750 [====>.....] - ETA: 0s - loss: 0.5415 - accuracy:
0.8997
215/750 [=====>.....] - ETA: 0s - loss: 0.5473 - accuracy:
0.8990
285/750 [======>.....] - ETA: 0s - loss: 0.5498 - accuracy:
0.8986
354/750 [======>.....] - ETA: 0s - loss: 0.5533 - accuracy:
0.8970
424/750 [======>.....] - ETA: 0s - loss: 0.5527 - accuracy:
0.8978
496/750 [======>.....] - ETA: 0s - loss: 0.5510 - accuracy:
0.8989
559/750 [======>.....] - ETA: 0s - loss: 0.5474 - accuracy:
0.9005
629/750 [======>.....] - ETA: 0s - loss: 0.5495 - accuracy:
0.9003
700/750 [======>..] - ETA: 0s - loss: 0.5502 - accuracy:
0.9004
750/750 [=====] - 1s 876us/step - loss: 0.5499 - accuracy:
0.9001 - val_loss: 0.6138 - val_accuracy: 0.8733
Epoch 219/220

1/750 [.....] - ETA: 0s - loss: 0.3915 - accuracy:
0.9688
71/750 [=>.....] - ETA: 0s - loss: 0.5413 - accuracy:
0.9034
143/750 [====>.....] - ETA: 0s - loss: 0.5415 - accuracy:
0.9036
213/750 [=====>.....] - ETA: 0s - loss: 0.5426 - accuracy:
0.9021
284/750 [======>.....] - ETA: 0s - loss: 0.5465 - accuracy:
0.9010
355/750 [======>.....] - ETA: 0s - loss: 0.5488 - accuracy:
0.8989
423/750 [======>.....] - ETA: 0s - loss: 0.5513 - accuracy:
0.8980
496/750 [======>.....] - ETA: 0s - loss: 0.5502 - accuracy:
0.8978
568/750 [======>.....] - ETA: 0s - loss: 0.5487 - accuracy:
0.8986

639/750 [=====>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.8985
712/750 [=====>..] - ETA: 0s - loss: 0.5489 - accuracy: 0.8988
750/750 [=====] - 1s 860us/step - loss: 0.5492 - accuracy: 0.8990 - val_loss: 0.6144 - val_accuracy: 0.8753
Epoch 220/220

1/750 [.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.8281
71/750 [=>.....] - ETA: 0s - loss: 0.5405 - accuracy: 0.9005
138/750 [====>.....] - ETA: 0s - loss: 0.5399 - accuracy: 0.9002
209/750 [=====>.....] - ETA: 0s - loss: 0.5480 - accuracy: 0.8983
279/750 [=====>.....] - ETA: 0s - loss: 0.5460 - accuracy: 0.8989
350/750 [=====>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.8999
420/750 [=====>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.8997
490/750 [=====>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.8995
562/750 [=====>.....] - ETA: 0s - loss: 0.5476 - accuracy: 0.8985
632/750 [=====>.....] - ETA: 0s - loss: 0.5475 - accuracy: 0.8990
703/750 [=====>..] - ETA: 0s - loss: 0.5479 - accuracy: 0.8992
750/750 [=====] - 1s 870us/step - loss: 0.5478 - accuracy: 0.8993 - val_loss: 0.6125 - val_accuracy: 0.8742

1/313 [.....] - ETA: 3s - loss: 0.4861 - accuracy: 0.9062
102/313 [=====>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.8658
203/313 [=====>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.8638
304/313 [=====>.] - ETA: 0s - loss: 0.6429 - accuracy: 0.8660
313/313 [=====] - 0s 503us/step - loss: 0.6403 - accuracy: 0.8666
Testing loss: 0.6402713656425476
Testing accuracy: 86.6599977016449%