

Epoch 1/40
250/250 - 42s - loss: 1.7087 - accuracy: 0.3991 - val_loss: 1.4000 -
val_accuracy: 0.4835 - lr: 0.0010 - 42s/epoch - 166ms/step

Epoch 2/40
250/250 - 9s - loss: 1.3445 - accuracy: 0.5129 - val_loss: 1.3823 -
val_accuracy: 0.5065 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 3/40
250/250 - 9s - loss: 1.1634 - accuracy: 0.5862 - val_loss: 1.0724 -
val_accuracy: 0.6080 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 4/40
250/250 - 9s - loss: 1.0269 - accuracy: 0.6396 - val_loss: 1.1477 -
val_accuracy: 0.5820 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 5/40
250/250 - 9s - loss: 0.9216 - accuracy: 0.6830 - val_loss: 1.2411 -
val_accuracy: 0.5970 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 6/40
250/250 - 9s - loss: 0.7919 - accuracy: 0.7269 - val_loss: 0.9853 -
val_accuracy: 0.6635 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 7/40
250/250 - 9s - loss: 0.7164 - accuracy: 0.7546 - val_loss: 0.7080 -
val_accuracy: 0.7570 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 8/40
250/250 - 9s - loss: 0.6522 - accuracy: 0.7769 - val_loss: 0.7168 -
val_accuracy: 0.7650 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 9/40
250/250 - 9s - loss: 0.5534 - accuracy: 0.8109 - val_loss: 0.7267 -
val_accuracy: 0.7480 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 10/40
250/250 - 9s - loss: 0.4952 - accuracy: 0.8299 - val_loss: 0.7777 -
val_accuracy: 0.7200 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 11/40
250/250 - 9s - loss: 0.4330 - accuracy: 0.8581 - val_loss: 0.9131 -
val_accuracy: 0.7045 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 12/40
250/250 - 9s - loss: 0.4215 - accuracy: 0.8579 - val_loss: 0.7806 -
val_accuracy: 0.7315 - lr: 0.0010 - 9s/epoch - 37ms/step

Epoch 13/40
250/250 - 9s - loss: 0.3317 - accuracy: 0.8882 - val_loss: 0.4477 -
val_accuracy: 0.8485 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 14/40
250/250 - 9s - loss: 0.2744 - accuracy: 0.9087 - val_loss: 0.4059 -
val_accuracy: 0.8590 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 15/40
250/250 - 9s - loss: 0.2307 - accuracy: 0.9253 - val_loss: 0.3910 -
val_accuracy: 0.8625 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 16/40

250/250 - 9s - loss: 0.2068 - accuracy: 0.9352 - val_loss: 0.4212 -
val_accuracy: 0.8545 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 17/40
250/250 - 9s - loss: 0.1935 - accuracy: 0.9383 - val_loss: 0.3787 -
val_accuracy: 0.8670 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 18/40
250/250 - 9s - loss: 0.1721 - accuracy: 0.9475 - val_loss: 0.3977 -
val_accuracy: 0.8615 - lr: 1.0000e-04 - 9s/epoch - 38ms/step
Epoch 19/40
250/250 - 9s - loss: 0.1631 - accuracy: 0.9506 - val_loss: 0.4000 -
val_accuracy: 0.8660 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 20/40
250/250 - 9s - loss: 0.1385 - accuracy: 0.9579 - val_loss: 0.3725 -
val_accuracy: 0.8760 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 21/40
250/250 - 9s - loss: 0.1311 - accuracy: 0.9622 - val_loss: 0.3894 -
val_accuracy: 0.8730 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 22/40
250/250 - 9s - loss: 0.1261 - accuracy: 0.9644 - val_loss: 0.3835 -
val_accuracy: 0.8730 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 23/40
250/250 - 9s - loss: 0.1093 - accuracy: 0.9676 - val_loss: 0.3607 -
val_accuracy: 0.8780 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 24/40
250/250 - 9s - loss: 0.1035 - accuracy: 0.9705 - val_loss: 0.3725 -
val_accuracy: 0.8815 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 25/40
250/250 - 9s - loss: 0.0947 - accuracy: 0.9745 - val_loss: 0.3679 -
val_accuracy: 0.8830 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 26/40
250/250 - 9s - loss: 0.0785 - accuracy: 0.9786 - val_loss: 0.3762 -
val_accuracy: 0.8855 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 27/40
250/250 - 9s - loss: 0.0821 - accuracy: 0.9774 - val_loss: 0.3687 -
val_accuracy: 0.8790 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 28/40
250/250 - 9s - loss: 0.0727 - accuracy: 0.9817 - val_loss: 0.3737 -
val_accuracy: 0.8870 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 29/40
250/250 - 9s - loss: 0.0694 - accuracy: 0.9809 - val_loss: 0.4166 -
val_accuracy: 0.8770 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 30/40
250/250 - 9s - loss: 0.0717 - accuracy: 0.9801 - val_loss: 0.3584 -
val_accuracy: 0.8890 - lr: 1.0000e-04 - 9s/epoch - 37ms/step
Epoch 31/40
250/250 - 9s - loss: 0.0573 - accuracy: 0.9857 - val_loss: 0.3689 -
val_accuracy: 0.8810 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 32/40

250/250 - 9s - loss: 0.0572 - accuracy: 0.9849 - val_loss: 0.3854 -
val_accuracy: 0.8885 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 33/40

250/250 - 9s - loss: 0.0532 - accuracy: 0.9865 - val_loss: 0.4294 -
val_accuracy: 0.8760 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 34/40

250/250 - 9s - loss: 0.0548 - accuracy: 0.9855 - val_loss: 0.4188 -
val_accuracy: 0.8755 - lr: 1.0000e-04 - 9s/epoch - 37ms/step

Epoch 35/40

250/250 - 9s - loss: 0.0446 - accuracy: 0.9881 - val_loss: 0.3737 -
val_accuracy: 0.8860 - lr: 1.0000e-05 - 9s/epoch - 37ms/step

Epoch 36/40

250/250 - 9s - loss: 0.0376 - accuracy: 0.9914 - val_loss: 0.3687 -
val_accuracy: 0.8890 - lr: 1.0000e-05 - 9s/epoch - 37ms/step

Epoch 37/40

250/250 - 9s - loss: 0.0364 - accuracy: 0.9914 - val_loss: 0.3694 -
val_accuracy: 0.8895 - lr: 1.0000e-05 - 9s/epoch - 37ms/step

Epoch 38/40

250/250 - 9s - loss: 0.0336 - accuracy: 0.9926 - val_loss: 0.3699 -
val_accuracy: 0.8885 - lr: 1.0000e-05 - 9s/epoch - 37ms/step

Epoch 39/40

250/250 - 9s - loss: 0.0385 - accuracy: 0.9901 - val_loss: 0.3689 -
val_accuracy: 0.8900 - lr: 1.0000e-05 - 9s/epoch - 37ms/step

Epoch 40/40

250/250 - 9s - loss: 0.0367 - accuracy: 0.9909 - val_loss: 0.3699 -
val_accuracy: 0.8890 - lr: 1.0000e-05 - 9s/epoch - 38ms/step