Epoch 1/10

1223/1223 [==============================] - 336s 274ms/step - loss: 1.0839 - accuracy: 0.7698 - val\_loss: 0.7771 - val\_accuracy: 0.8164

Epoch 2/10

1223/1223 [==============================] - 307s 251ms/step - loss: 0.3528 - accuracy: 0.9530 - val\_loss: 0.5094 - val\_accuracy: 0.8870

Epoch 3/10

1223/1223 [==============================] - 320s 261ms/step - loss: 0.2850 - accuracy: 0.9674 - val\_loss: 0.4614 - val\_accuracy: 0.8933

Epoch 4/10

1223/1223 [==============================] - 305s 250ms/step - loss: 0.2393 - accuracy: 0.9745 - val\_loss: 0.5427 - val\_accuracy: 0.8810

Epoch 5/10

1223/1223 [==============================] - 306s 250ms/step - loss: 0.2363 - accuracy: 0.9780 - val\_loss: 0.2784 - val\_accuracy: 0.9509

Epoch 6/10

1223/1223 [==============================] - 305s 250ms/step - loss: 0.2217 - accuracy: 0.9789 - val\_loss: 0.3626 - val\_accuracy: 0.9451

Epoch 7/10

1223/1223 [==============================] - 306s 250ms/step - loss: 0.1860 - accuracy: 0.9853 - val\_loss: 0.4598 - val\_accuracy: 0.9102

Epoch 8/10

1223/1223 [==============================] - 304s 249ms/step - loss: 0.1972 - accuracy: 0.9835 - val\_loss: 0.3599 - val\_accuracy: 0.9435

Epoch 9/10

1223/1223 [==============================] - 306s 250ms/step - loss: 0.1743 - accuracy: 0.9876 - val\_loss: 0.2454 - val\_accuracy: 0.9567

Epoch 10/10

1223/1223 [==============================] - 307s 251ms/step - loss: 0.1685 - accuracy: 0.9859 - val\_loss: 0.3944 - val\_accuracy: 0.9373

Epoch 1/5

1223/1223 [==============================] - 320s 262ms/step - loss: 0.1213 - accuracy: 0.9936 - val\_loss: 0.2473 - val\_accuracy: 0.9465

Epoch 2/5

1223/1223 [==============================] - 310s 253ms/step - loss: 0.1570 - accuracy: 0.9875 - val\_loss: 0.2248 - val\_accuracy: 0.9727

Epoch 3/5

1223/1223 [==============================] - 311s 254ms/step - loss: 0.1145 - accuracy: 0.9926 - val\_loss: 0.3394 - val\_accuracy: 0.9345

Epoch 4/5

1223/1223 [==============================] - 319s 260ms/step - loss: 0.1245 - accuracy: 0.9916 - val\_loss: 0.2028 - val\_accuracy: 0.9507

Epoch 5/5

1223/1223 [==============================] - 310s 253ms/step - loss: 0.1094 - accuracy: 0.9912 - val\_loss: 0.5102 - val\_accuracy: 0.9000

Epoch 1/5

1223/1223 [==============================] - 310s 253ms/step - loss: 0.0891 - accuracy: 0.9953 - val\_loss: 0.2445 - val\_accuracy: 0.9519

Epoch 2/5

1223/1223 [==============================] - 309s 253ms/step - loss: 0.1341 - accuracy: 0.9901 - val\_loss: 0.2534 - val\_accuracy: 0.9581

Epoch 3/5

1223/1223 [==============================] - 311s 254ms/step - loss: 0.0692 - accuracy: 0.9972 - val\_loss: 0.1403 - val\_accuracy: 0.9620

Epoch 4/5

1223/1223 [==============================] - 310s 254ms/step - loss: 0.1113 - accuracy: 0.9912 - val\_loss: 0.2150 - val\_accuracy: 0.9729

Epoch 5/5

1223/1223 [==============================] - 310s 254ms/step - loss: 0.0573 - accuracy: 0.9982 - val\_loss: 0.1257 - val\_accuracy: 0.9667

Epoch 1/5

1223/1223 [==============================] - 342s 280ms/step - loss: 0.1217 - accuracy: 0.9896 - val\_loss: 0.2685 - val\_accuracy: 0.9516

Epoch 2/5

1223/1223 [==============================] - 363s 297ms/step - loss: 0.0790 - accuracy: 0.9963 - val\_loss: 0.2135 - val\_accuracy: 0.9475

Epoch 3/5

1223/1223 [==============================] - 341s 278ms/step - loss: 0.0656 - accuracy: 0.9953 - val\_loss: 0.2653 - val\_accuracy: 0.9514

Epoch 4/5

1223/1223 [==============================] - 333s 273ms/step - loss: 0.0860 - accuracy: 0.9951 - val\_loss: 0.2055 - val\_accuracy: 0.9553

Epoch 5/5

1223/1223 [==============================] - 322s 263ms/step - loss: 0.0656 - accuracy: 0.9958 - val\_loss: 0.1807 - val\_accuracy: 0.9602

Epoch 1/5

1223/1223 [==============================] - 326s 266ms/step - loss: 0.0590 - accuracy: 0.9966 - val\_loss: 0.2406 - val\_accuracy: 0.9470

Epoch 2/5

1223/1223 [==============================] - 358s 292ms/step - loss: 0.0804 - accuracy: 0.9948 - val\_loss: 0.1648 - val\_accuracy: 0.9632

Epoch 3/5

1223/1223 [==============================] - 387s 316ms/step - loss: 0.0521 - accuracy: 0.9972 - val\_loss: 0.2086 - val\_accuracy: 0.9549

Epoch 4/5

1223/1223 [==============================] - 327s 267ms/step - loss: 0.0802 - accuracy: 0.9929 - val\_loss: 0.1802 - val\_accuracy: 0.9669

Epoch 5/5

1223/1223 [==============================] - 336s 275ms/step - loss: 0.0520 - accuracy: 0.9985 - val\_loss: 0.1158 - val\_accuracy: 0.9676

Epoch 1/5

1223/1223 [==============================] - 362s 296ms/step - loss: 0.0728 - accuracy: 0.9938 - val\_loss: 0.1816 - val\_accuracy: 0.9641

Epoch 2/5

1223/1223 [==============================] - 367s 300ms/step - loss: 0.0425 - accuracy: 0.9992 - val\_loss: 0.0967 - val\_accuracy: 0.9720

Epoch 3/5

1223/1223 [==============================] - 324s 265ms/step - loss: 0.0696 - accuracy: 0.9945 - val\_loss: 0.2103 - val\_accuracy: 0.9625

Epoch 4/5

1223/1223 [==============================] - 378s 309ms/step - loss: 0.0387 - accuracy: 0.9991 - val\_loss: 0.0772 - val\_accuracy: 0.9829

Epoch 5/5

1223/1223 [==============================] - 326s 267ms/step - loss: 0.0750 - accuracy: 0.9937 - val\_loss: 0.1486 - val\_accuracy: 0.9734

Epoch 1/2

1223/1223 [==============================] - 332s 271ms/step - loss: 0.0498 - accuracy: 0.9978 - val\_loss: 0.2080 - val\_accuracy: 0.9553

Epoch 2/2

1223/1223 [==============================] - 374s 306ms/step - loss: 0.0537 - accuracy: 0.9969 - val\_loss: 0.1756 - val\_accuracy: 0.9634

1223/1223 [==============================] - 336s 275ms/step - loss: 0.0320 - accuracy: 0.9989 - val\_loss: 0.0890 - val\_accuracy: 0.9815

1223/1223 [==============================] - 336s 274ms/step - loss: 0.0630 - accuracy: 0.9953 - val\_loss: 0.1338 - val\_accuracy: 0.9704

1223/1223 [==============================] - 332s 272ms/step - loss: 0.0400 - accuracy: 0.9978 - val\_loss: 0.1654 - val\_accuracy: 0.9625

1223/1223 [==============================] - 336s 275ms/step - loss: 0.0577 - accuracy: 0.9960 - val\_loss: 0.1965 - val\_accuracy: 0.9560

1223/1223 [==============================] - 361s 296ms/step - loss: 0.0438 - accuracy: 0.9977 - val\_loss: 0.1652 - val\_accuracy: 0.9625

1223/1223 [==============================] - 369s 302ms/step - loss: 0.0451 - accuracy: 0.9965 - val\_loss: 0.2461 - val\_accuracy: 0.9574

1223/1223 [==============================] - 334s 273ms/step - loss: 0.0512 - accuracy: 0.9975 - val\_loss: 0.1647 - val\_accuracy: 0.9613

1223/1223 [==============================] - 331s 271ms/step - loss: 0.0367 - accuracy: 0.9981 - val\_loss: 0.0931 - val\_accuracy: 0.9819

1223/1223 [==============================] - 333s 272ms/step - loss: 0.0239 - accuracy: 0.9992 - val\_loss: 0.0612 - val\_accuracy: 0.9817

Epoch 1/4

1223/1223 [==============================] - 335s 274ms/step - loss: 0.0423 - accuracy: 0.9954 - val\_loss: 0.2156 - val\_accuracy: 0.9632

Epoch 2/4

1223/1223 [==============================] - 332s 271ms/step - loss: 0.0674 - accuracy: 0.9969 - val\_loss: 0.1600 - val\_accuracy: 0.9613

Epoch 3/4

1223/1223 [==============================] - 331s 271ms/step - loss: 0.0414 - accuracy: 0.9979 - val\_loss: 0.1690 - val\_accuracy: 0.9660

Epoch 4/4

1223/1223 [==============================] - 331s 271ms/step - loss: 0.0362 - accuracy: 0.9982 - val\_loss: 0.3371 - val\_accuracy: 0.9431

Epoch 1/3

1223/1223 [==============================] - 337s 276ms/step - loss: 0.0449 - accuracy: 0.9967 - val\_loss: 0.1151 - val\_accuracy: 0.9782

Epoch 2/3

1223/1223 [==============================] - 337s 275ms/step - loss: 0.0411 - accuracy: 0.9975 - val\_loss: 0.1582 - val\_accuracy: 0.9685

Epoch 3/3

1223/1223 [==============================] - 334s 273ms/step - loss: 0.0428 - accuracy: 0.9977 - val\_loss: 0.1139 - val\_accuracy: 0.9727

1223/1223 [==============================] - 335s 274ms/step - loss: 0.0412 - accuracy: 0.9980 - val\_loss: 0.1372 - val\_accuracy: 0.9664

1223/1223 [==============================] - 339s 277ms/step - loss: 0.0439 - accuracy: 0.9973 - val\_loss: 0.1571 - val\_accuracy: 0.9711

Epoch 1/2

1223/1223 [==============================] - 363s 297ms/step - loss: 0.0328 - accuracy: 0.9985 - val\_loss: 0.1465 - val\_accuracy: 0.9678

Epoch 2/2

1223/1223 [==============================] - 365s 298ms/step - loss: 0.0492 - accuracy: 0.9966 - val\_loss: 0.1264 - val\_accuracy: 0.9757

Epoch 1/2

1223/1223 [==============================] - 385s 315ms/step - loss: 0.0270 - accuracy: 0.9992 - val\_loss: 0.0866 - val\_accuracy: 0.9769

Epoch 2/2

1223/1223 [==============================] - 414s 338ms/step - loss: 0.0406 - accuracy: 0.9972 - val\_loss: 0.1381 - val\_accuracy: 0.9676

1223/1223 [==============================] - 355s 290ms/step - loss: 0.0404 - accuracy: 0.9979 - val\_loss: 0.1461 - val\_accuracy: 0.9741