After 10 epochs of training:

Epoch 1/10

210/210 [==============================] - 324s 2s/step - loss: 0.8673 - accuracy: 0.7882 - val\_loss: 0.7558 - val\_accuracy: 0.8314

Epoch 2/10

210/210 [==============================] - 322s 2s/step - loss: 0.2965 - accuracy: 0.9248 - val\_loss: 0.8135 - val\_accuracy: 0.8564

Epoch 3/10

210/210 [==============================] - 322s 2s/step - loss: 0.2156 - accuracy: 0.9420 - val\_loss: 0.4821 - val\_accuracy: 0.8891

Epoch 4/10

210/210 [==============================] - 321s 2s/step - loss: 0.1831 - accuracy: 0.9536 - val\_loss: 0.3789 - val\_accuracy: 0.9078

Epoch 5/10

210/210 [==============================] - 321s 2s/step - loss: 0.1612 - accuracy: 0.9592 - val\_loss: 0.3734 - val\_accuracy: 0.9078

Epoch 6/10

210/210 [==============================] - 321s 2s/step - loss: 0.1287 - accuracy: 0.9665 - val\_loss: 0.3405 - val\_accuracy: 0.9257

Epoch 7/10

210/210 [==============================] - 321s 2s/step - loss: 0.1139 - accuracy: 0.9685 - val\_loss: 0.4171 - val\_accuracy: 0.9117

Epoch 8/10

210/210 [==============================] - 320s 2s/step - loss: 0.1002 - accuracy: 0.9739 - val\_loss: 0.2570 - val\_accuracy: 0.9390

Epoch 9/10

210/210 [==============================] - 320s 2s/step - loss: 0.0856 - accuracy: 0.9768 - val\_loss: 0.3106 - val\_accuracy: 0.9313

Epoch 10/10

210/210 [==============================] - 322s 2s/step - loss: 0.0805 - accuracy: 0.9780 - val\_loss: 0.2694 - val\_accuracy: 0.9414

Acc: 0.9780

Loss: 0.0805

Val\_acc: 0.2694

Val\_loss: 0.9414

Chart, line chart

Description automatically generated

After 20 epochs of training:

Epoch 1/10

210/210 [==============================] - 323s 2s/step - loss: 0.0816 - accuracy: 0.9769 - val\_loss: 0.3254 - val\_accuracy: 0.9283

Epoch 2/10

210/210 [==============================] - 322s 2s/step - loss: 0.0937 - accuracy: 0.9785 - val\_loss: 0.4723 - val\_accuracy: 0.9144

Epoch 3/10

210/210 [==============================] - 322s 2s/step - loss: 0.0798 - accuracy: 0.9799 - val\_loss: 0.2640 - val\_accuracy: 0.9387

Epoch 4/10

210/210 [==============================] - 321s 2s/step - loss: 0.0741 - accuracy: 0.9797 - val\_loss: 0.2615 - val\_accuracy: 0.9492

Epoch 5/10

210/210 [==============================] - 321s 2s/step - loss: 0.0594 - accuracy: 0.9831 - val\_loss: 0.3963 - val\_accuracy: 0.9271

Epoch 6/10

210/210 [==============================] - 322s 2s/step - loss: 0.0667 - accuracy: 0.9817 - val\_loss: 0.2789 - val\_accuracy: 0.9370

Epoch 7/10

210/210 [==============================] - 322s 2s/step - loss: 0.0616 - accuracy: 0.9835 - val\_loss: 0.3879 - val\_accuracy: 0.9230

Epoch 8/10

210/210 [==============================] - 321s 2s/step - loss: 0.0448 - accuracy: 0.9874 - val\_loss: 0.4435 - val\_accuracy: 0.9242

Epoch 9/10

210/210 [==============================] - 321s 2s/step - loss: 0.0642 - accuracy: 0.9846 - val\_loss: 0.3115 - val\_accuracy: 0.9361

Epoch 10/10

210/210 [==============================] - 322s 2s/step - loss: 0.0611 - accuracy: 0.9850 - val\_loss: 0.3171 - val\_accuracy: 0.9346

Acc: 0.9850

Loss: 0.0611

Val\_acc: 0.9346

Val\_loss: 0.3171

Chart, line chart

Description automatically generated