

Team ID	PNT2022TMID52603
Project Name	A Novel Method for Handwritten Digit Recognition System

Train the Model:

TRAINING THE MODEL

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In [12]: model.fit(X_train, Y_train, batch_size=32, epochs=5, validation_data=(X_test, Y_test))

Epoch 1/5
1875/1875 [*****] - 204s 108ms/step - loss: 0.2076 - accuracy: 0.9536 - val_loss: 0.0868 - val_accuracy: 0.9730
Epoch 2/5
1875/1875 [*****] - 196s 105ms/step - loss: 0.0644 - accuracy: 0.9882 - val_loss: 0.0818 - val_accuracy: 0.9772
Epoch 3/5
1875/1875 [*****] - 196s 105ms/step - loss: 0.0494 - accuracy: 0.9844 - val_loss: 0.0700 - val_accuracy: 0.9819
Epoch 4/5
1875/1875 [*****] - 196s 105ms/step - loss: 0.0376 - accuracy: 0.9884 - val_loss: 0.0958 - val_accuracy: 0.9762
Epoch 5/5
1875/1875 [*****] - 195s 104ms/step - loss: 0.0304 - accuracy: 0.9906 - val_loss: 0.1159 - val_accuracy: 0.9749

Out[12]:
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