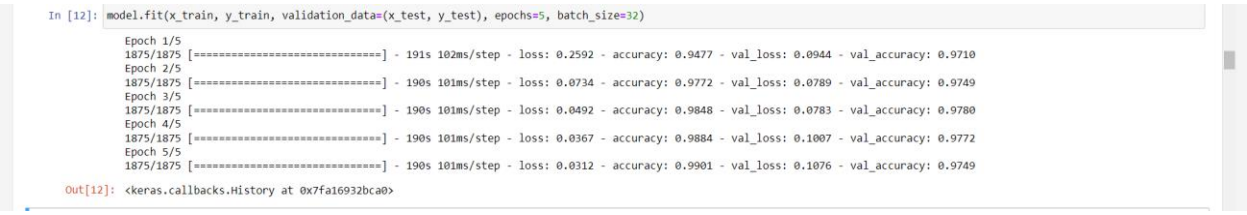
A NOVEL METHOD FOR DIGIT RECOGNITION

TRAIN THE MODEL



```
In [12]: model.fit(x_train, y_train, validation_data=(x_test, y_test), epochs=5, batch_size=32)

         Epoch 1/5
         1875/1875 [==============================] - 191s 102ms/step - loss: 0.2592 - accuracy: 0.9477 - val_loss: 0.0944 - val_accuracy: 0.9710
         Epoch 2/5
         1875/1875 [==============================] - 190s 101ms/step - loss: 0.0734 - accuracy: 0.9772 - val_loss: 0.0789 - val_accuracy: 0.9749
         Epoch 3/5
         1875/1875 [==============================] - 190s 101ms/step - loss: 0.0492 - accuracy: 0.9848 - val_loss: 0.0783 - val_accuracy: 0.9780
         Epoch 4/5
         1875/1875 [==============================] - 190s 101ms/step - loss: 0.0367 - accuracy: 0.9884 - val_loss: 0.1007 - val_accuracy: 0.9772
         Epoch 5/5
         1875/1875 [==============================] - 190s 101ms/step - loss: 0.0312 - accuracy: 0.9901 - val_loss: 0.1076 - val_accuracy: 0.9749

Out[12]: <keras.callbacks.History at 0x7fa16932bca0>
```