

COL-341 Report (Part – a)

Here are my public test accuracies for 8 epochs:

Epoch 1: 0.9102173913043479

Epoch 2: 0.9478260869565217

Epoch 3: 0.9606521739130435

Epoch 4: 0.9671739130434782

Epoch 5: 0.9734782608695652

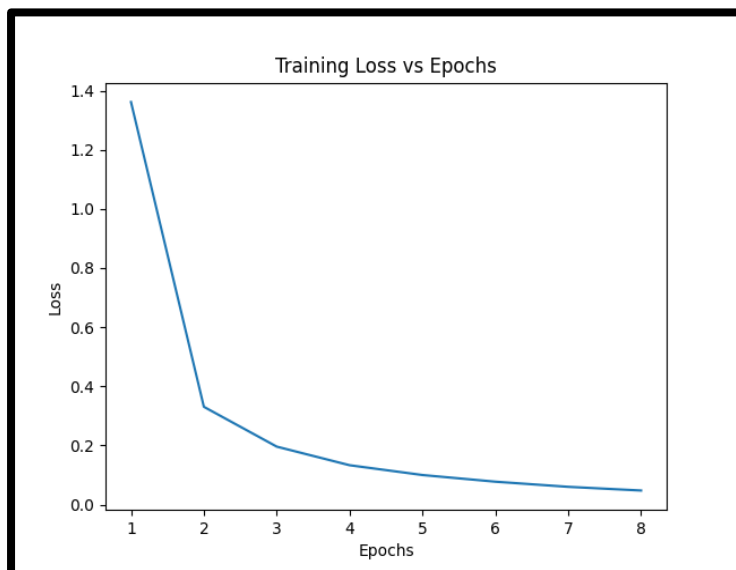
Epoch 6: 0.9752173913043478

Epoch 7: 0.9760869565217392

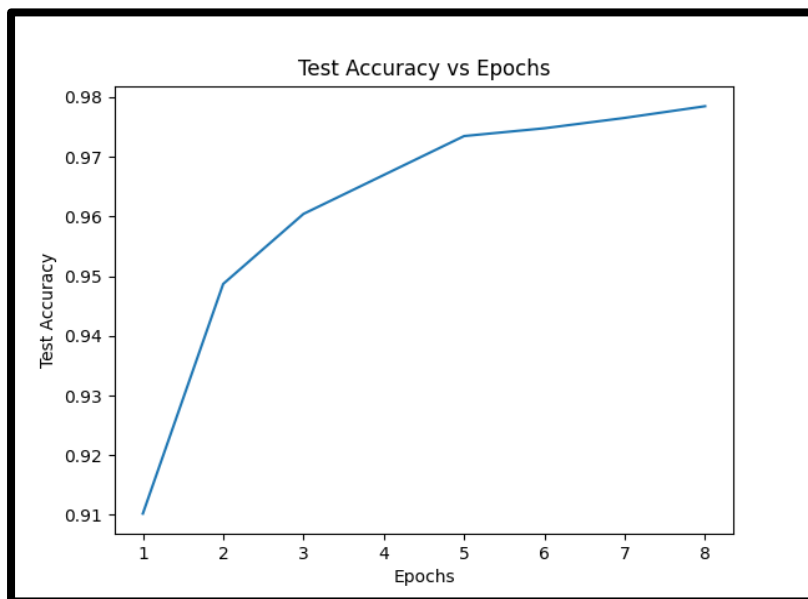
Epoch 8: 0.9789130434782609

So, accuracy after 8 epochs is 0.979.

Here, is the plot of Training Loss v/s epoch:



Here, is the plot of Test accuracy v/s epoch:



The best accuracy, I got in assignment 2.1(using Neural Network) was 0.9482 and it took 5 minutes to achieve this efficiency. The efficiency, I got using CNN for same data set is 0.979 and it took 2.75 minutes to achieve this efficiency. So, CNN is better than neural network as we are able to achieve better efficiency in CNN than neural network and also in less time.

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