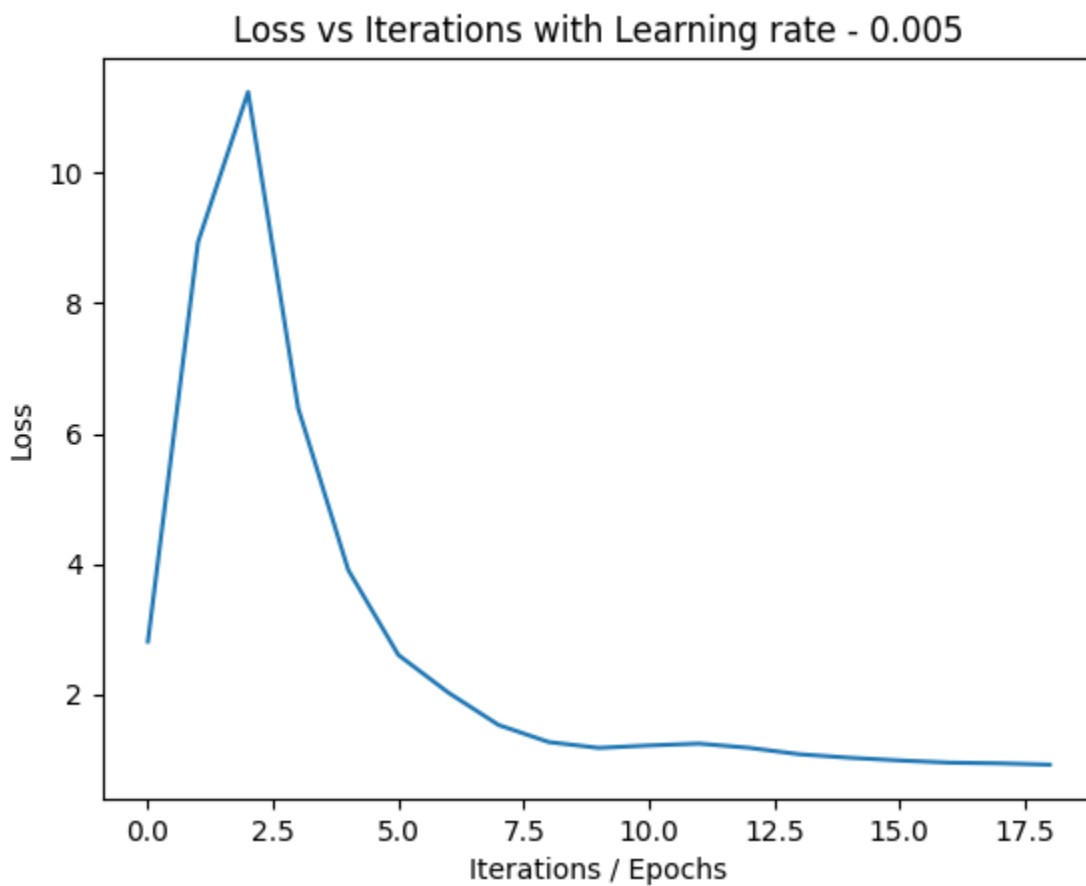
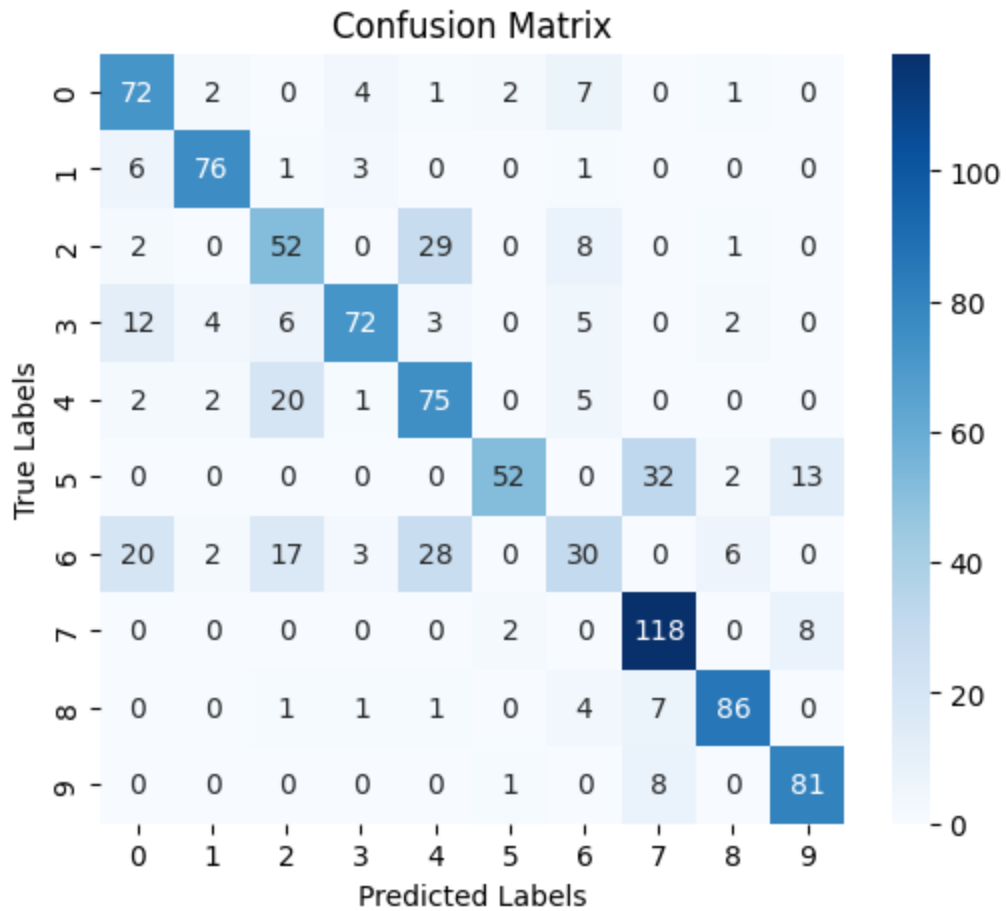


## **Dense Model:**

### **1) Learning rate – 0.005**

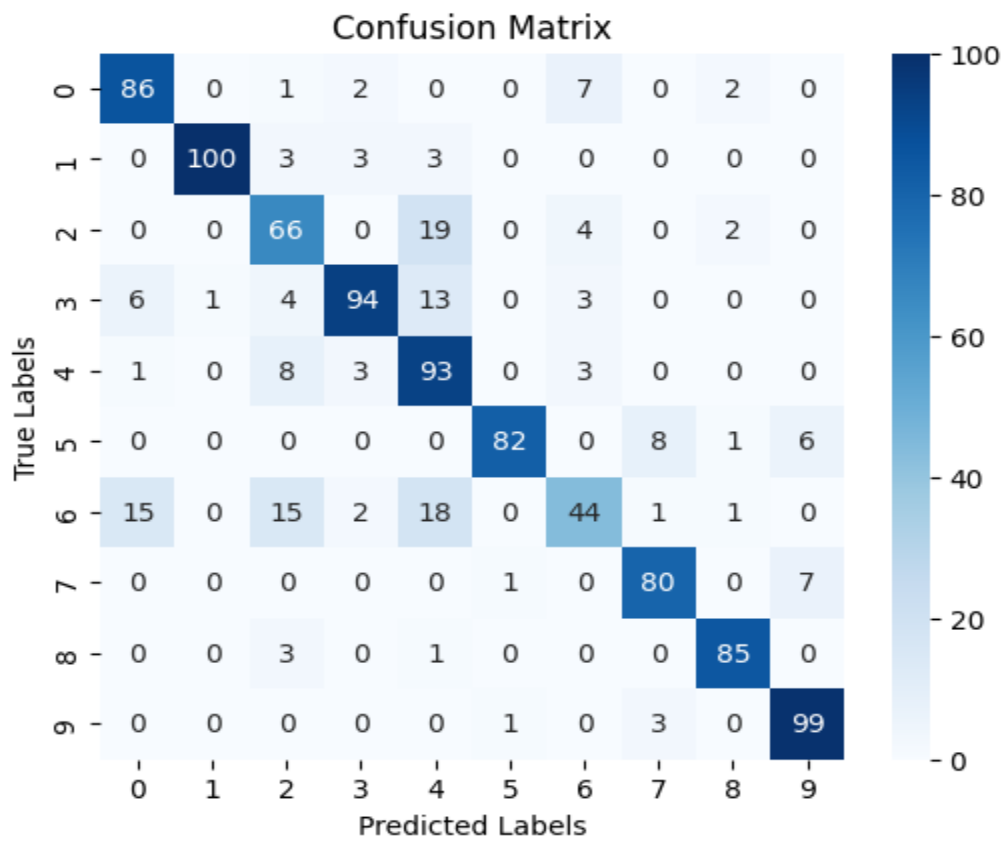
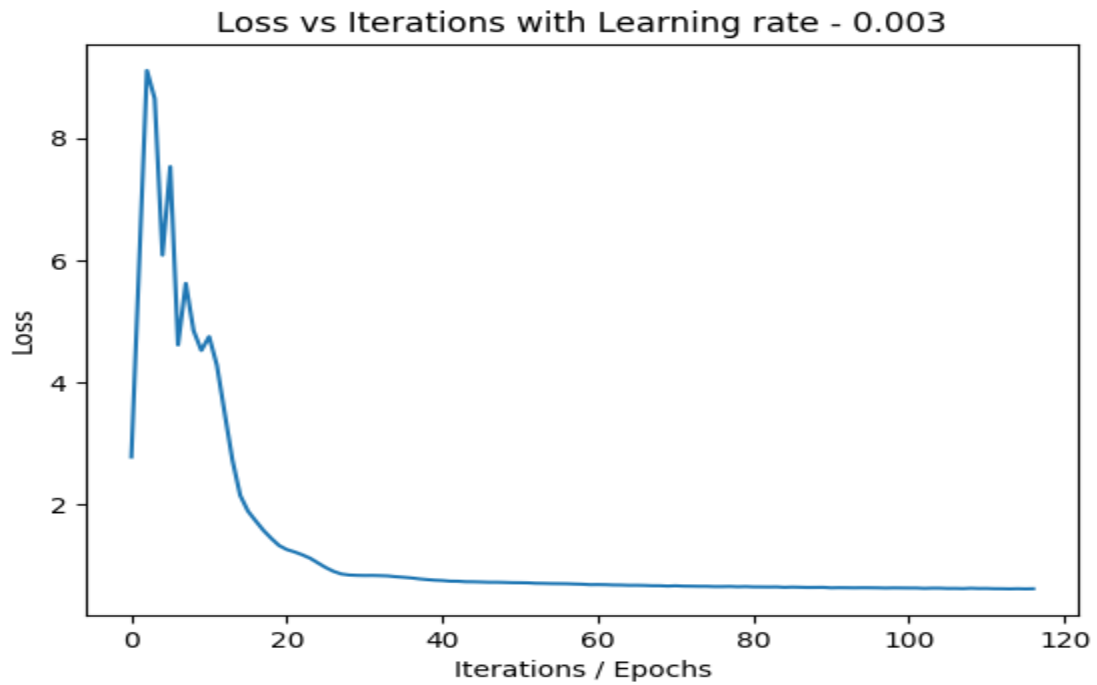
	<b>Metric</b>	<b>Training</b>	<b>Validation</b>
0	Accuracy	79.750000	80.500000
1	F1 Score	0.799866	0.802839
2	Loss	4.825981	5.448344





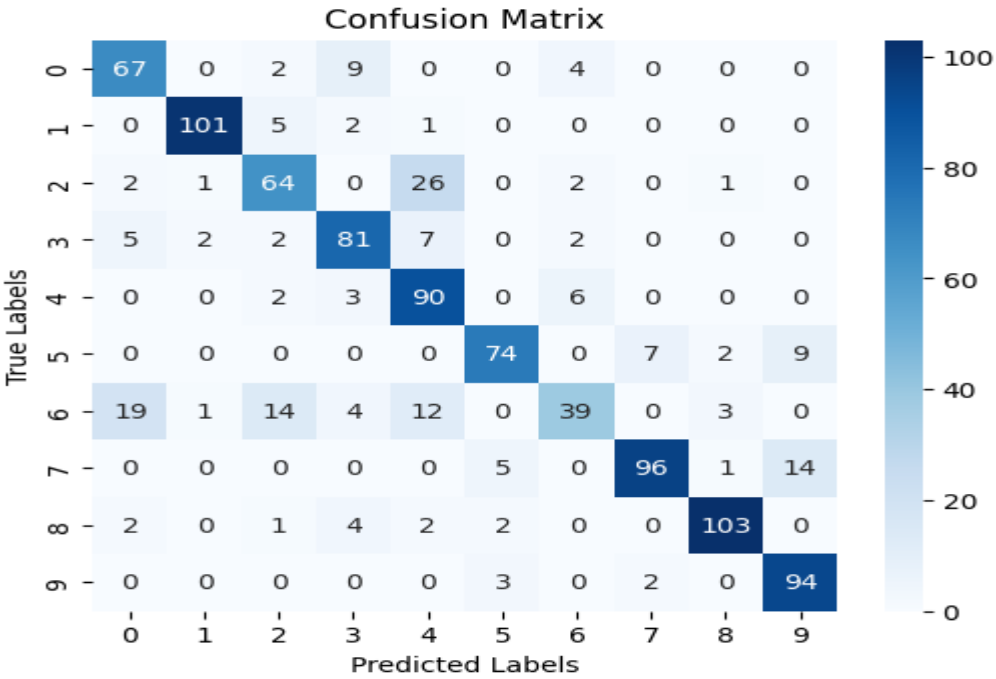
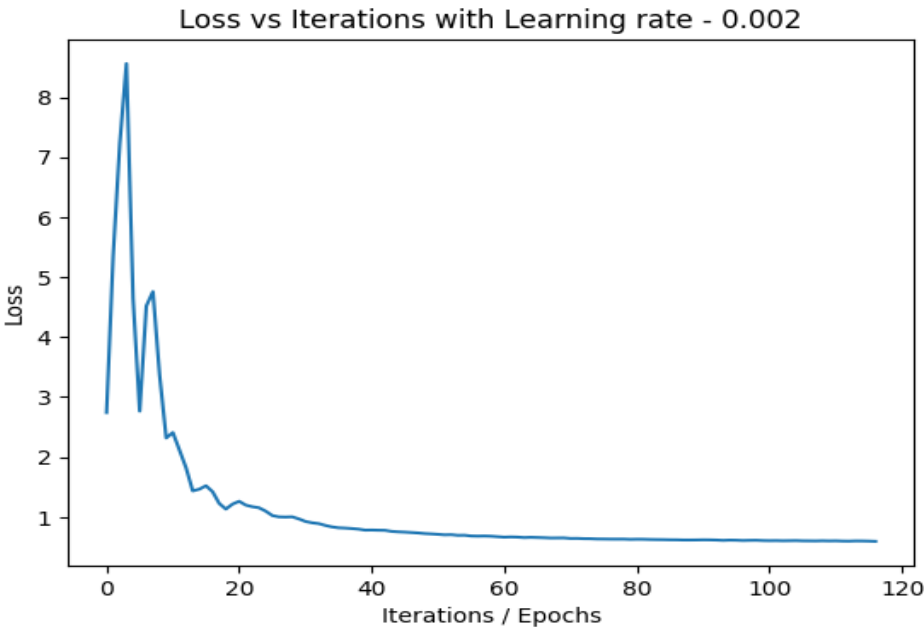
## 2) Learning rate – 0.003

	Metric	Training	Validation
0	Accuracy	81.000000	82.900000
1	F1 Score	0.809948	0.826425
2	Loss	4.554751	5.285749



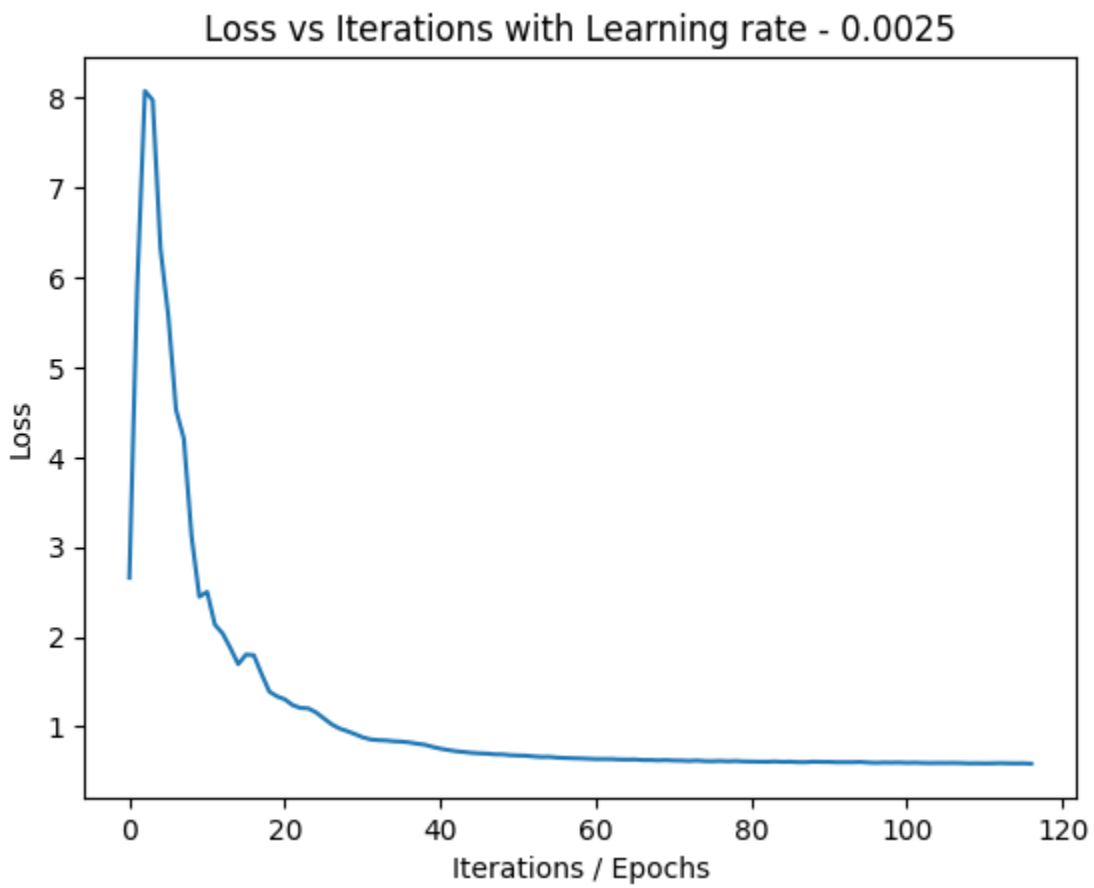
3) Learning rate – 0.002

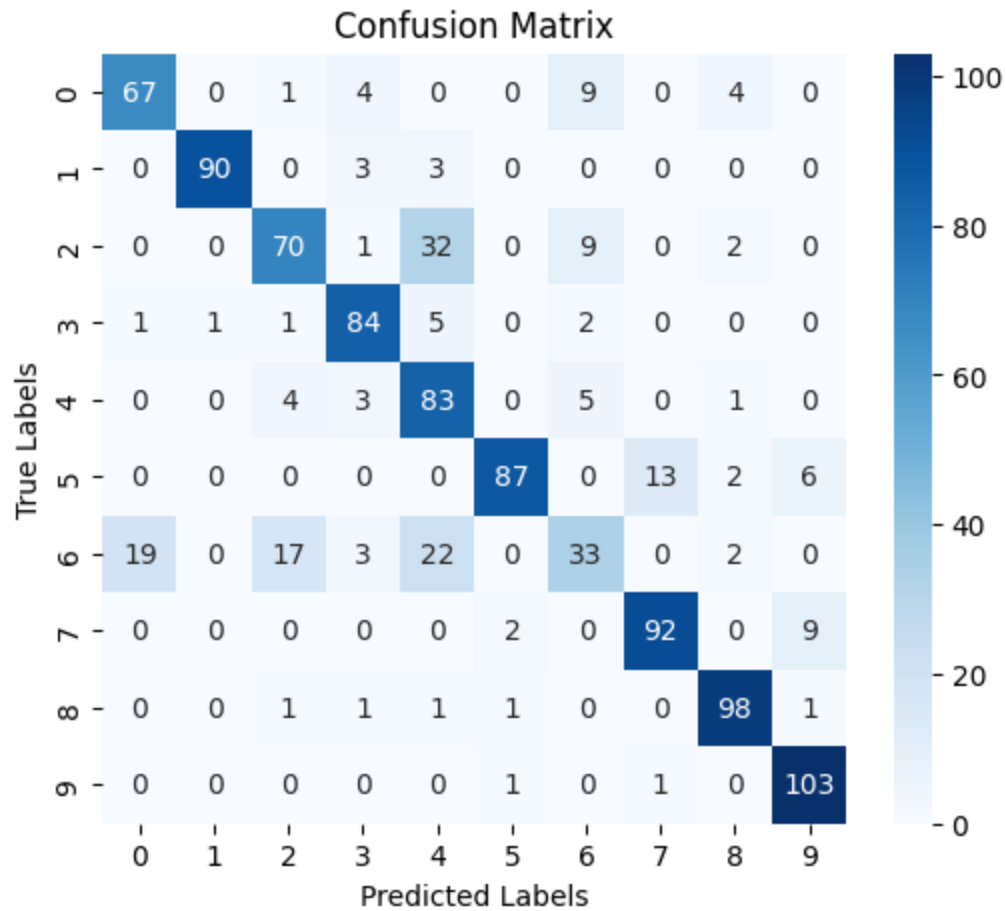
	Metric	Training	Validation
0	Accuracy	81.550000	80.900000
1	F1 Score	0.815992	0.798191
2	Loss	4.848926	5.063951



#### 4) Learning rate – 0.0025

	Metric	Training	Validation
0	Accuracy	81.100000	80.700000
1	F1 Score	0.810079	0.799863
2	Loss	5.399278	5.655514

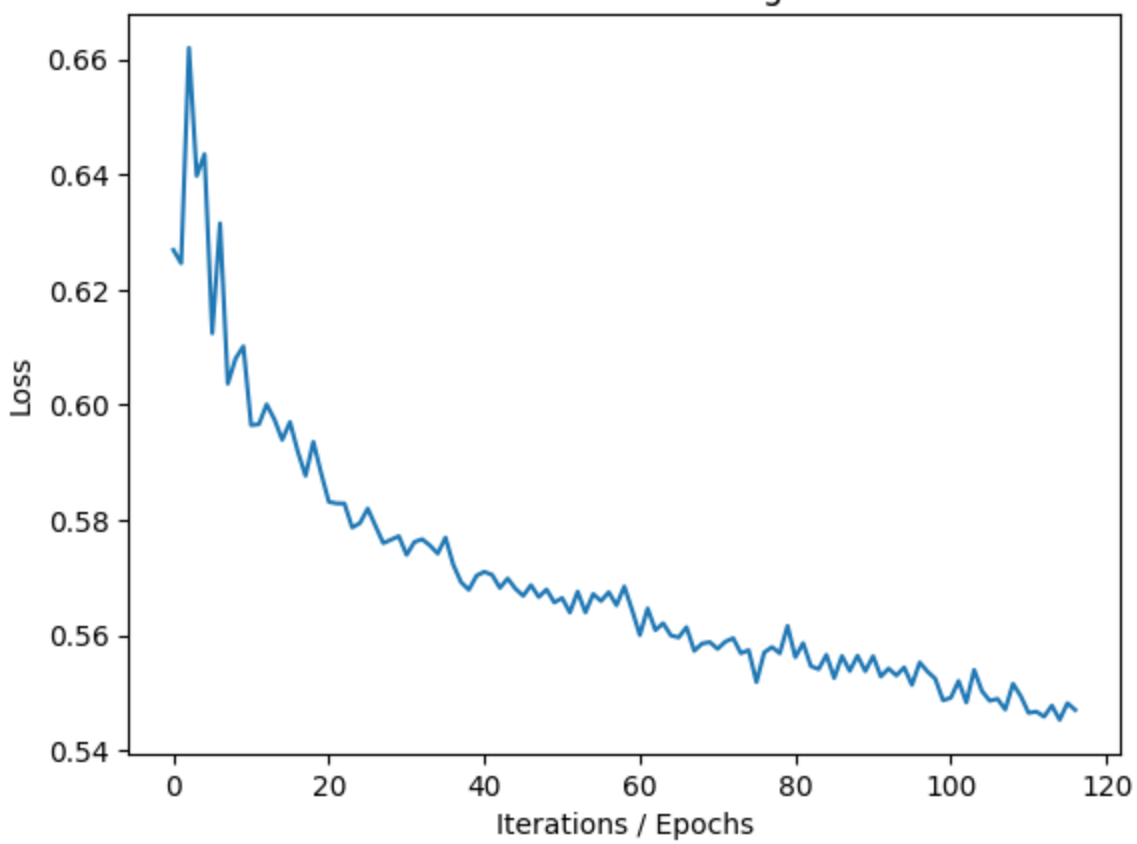


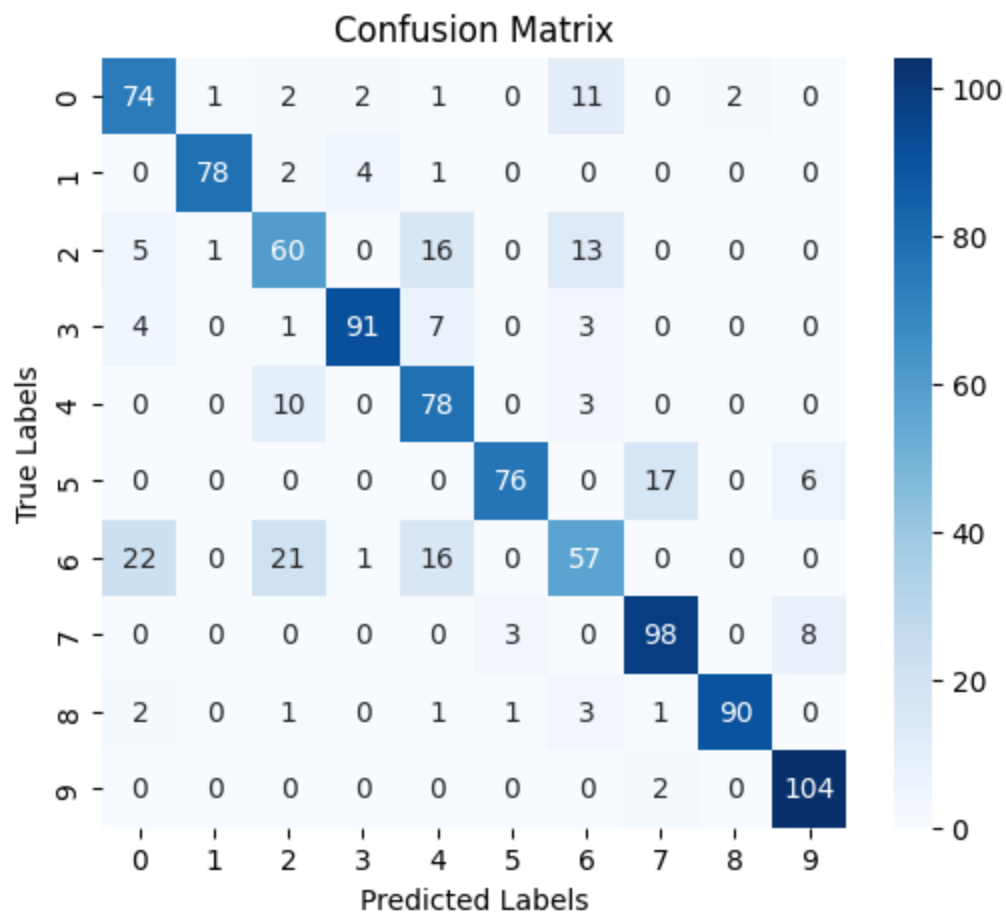


**Best model so far → learning rate 0.003 with additional iteration**

	Metric	Training	Validation
0	Accuracy	84.100000	80.600000
1	F1 Score	0.844483	0.807625
2	Loss	4.898015	4.730110

Loss vs Iterations with Learning rate - 0.003





**Test Performance metrics:**

Test acc - 83.11831183118312

Test f1 - 83.02740406854679

Test precision - 83.4292534644441