

CSE 472: OFFLINE 4 REPORT

Name: Iftekhhar Hakim Kaowsar

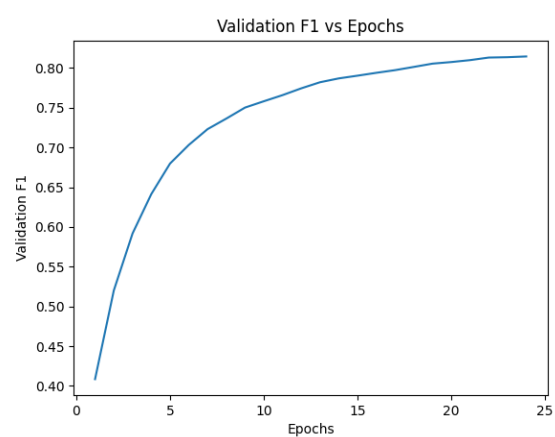
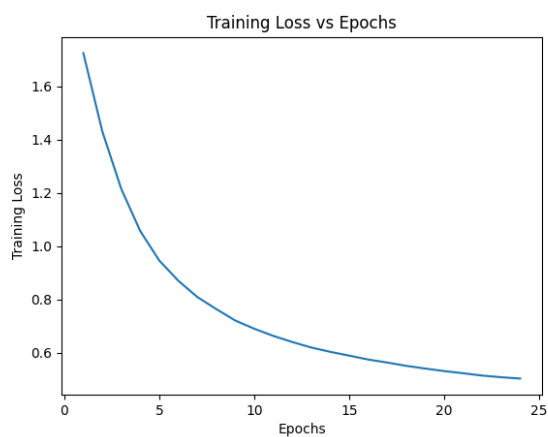
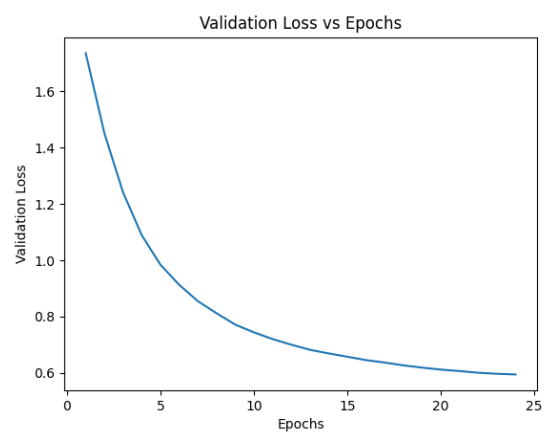
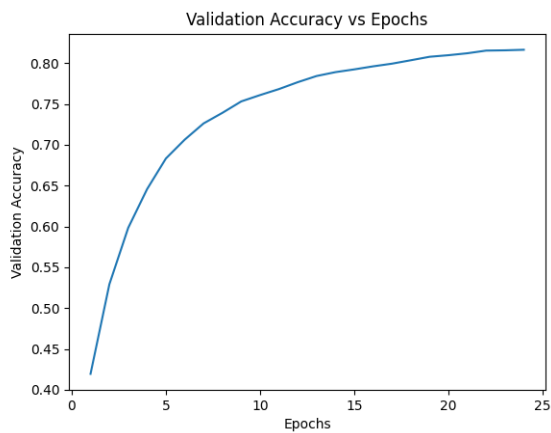
ID: 1705045

Architecture 1: LeNet

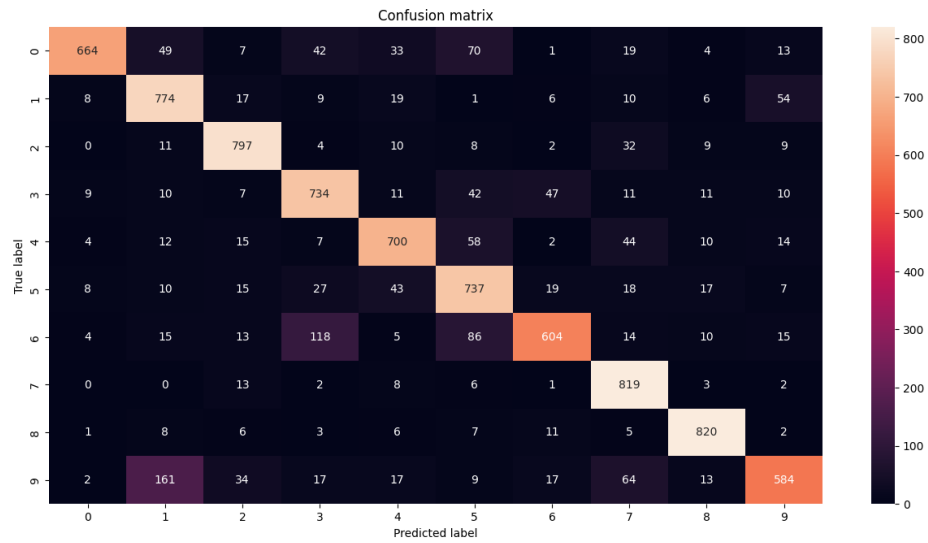
Pipeline: 28 X 28 input matrix, 6 @ 5 X 5 Convolution, ReLU, 2 X 2 Maxpooling, 16 @ 5 X 5 Convolution, ReLU, 2 X 2 Maxpooling, Flattening, Fully Connected layer with output channel 120, 84, 10 and Soft Max layer.

Batch size: 16

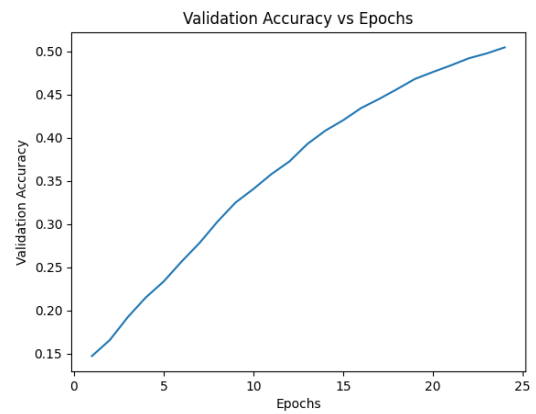
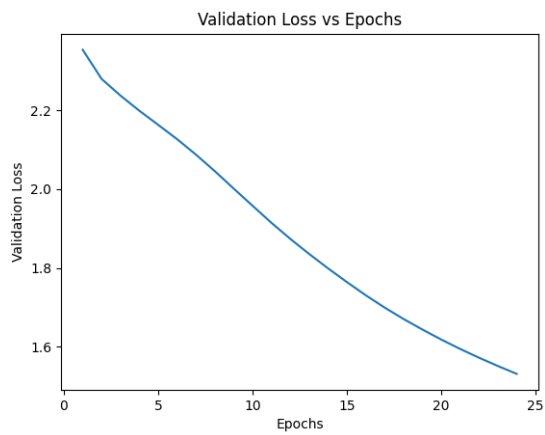
Graph for Learning-rate = 0.001 (epoch 1 to 25)

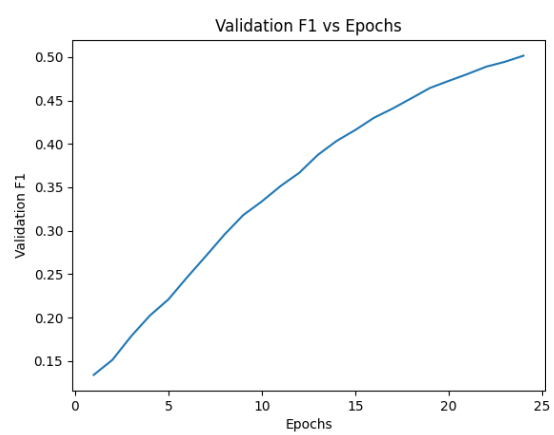
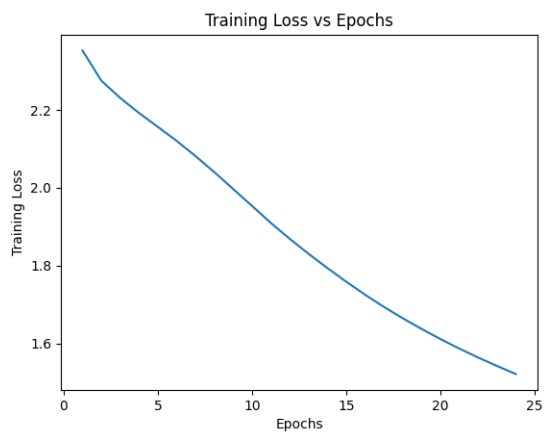


Confusion Matrix



Graph for Learning-rate = 0.0001 (epoch 1 to 25)





For testing, learning rate = 0.001 was set. Testing accuracy on *'training-d'* files was ~77%.