Assignment on: Feed-forward Neural Network



Bangladesh University of Engineering and Technology

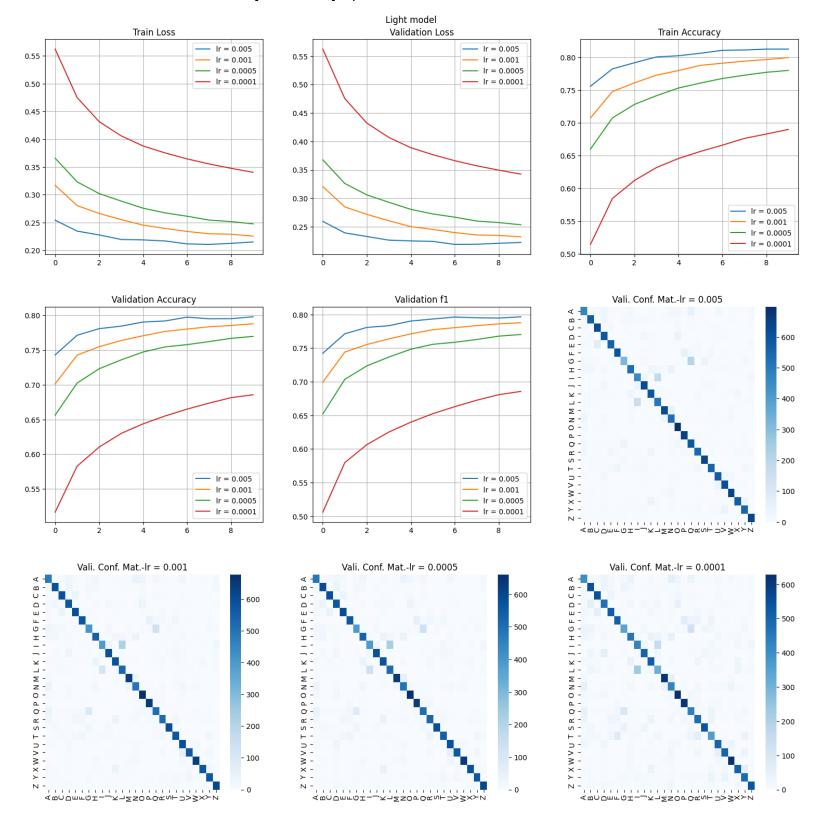
Course: CSE 472 (Machine Learning Sessional)

Date of Submission: 03.01.2024

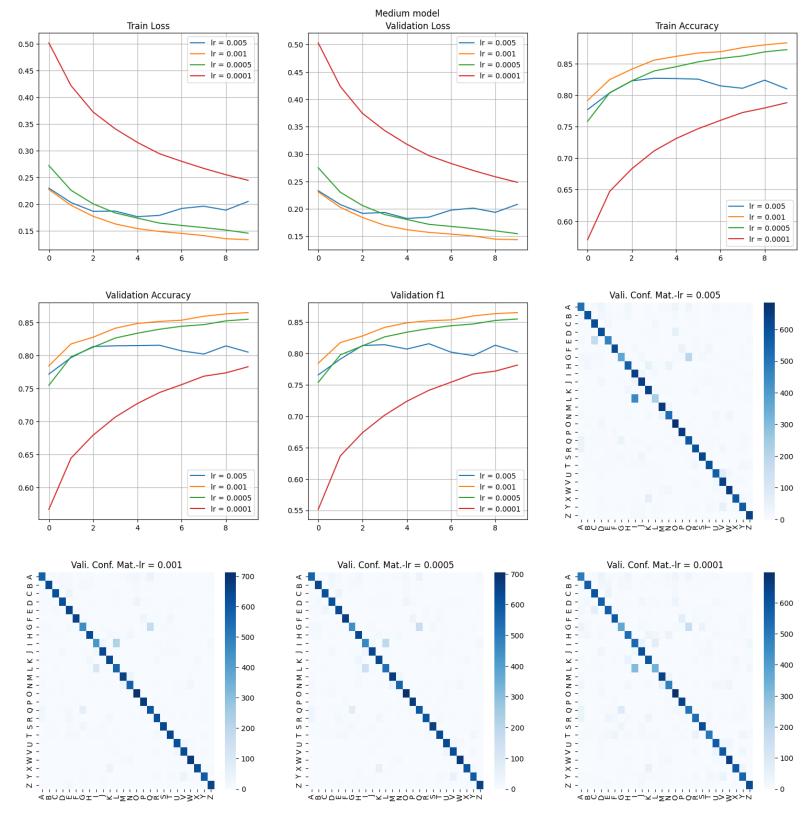
Submitted by:

Abdur Rafi 1805008

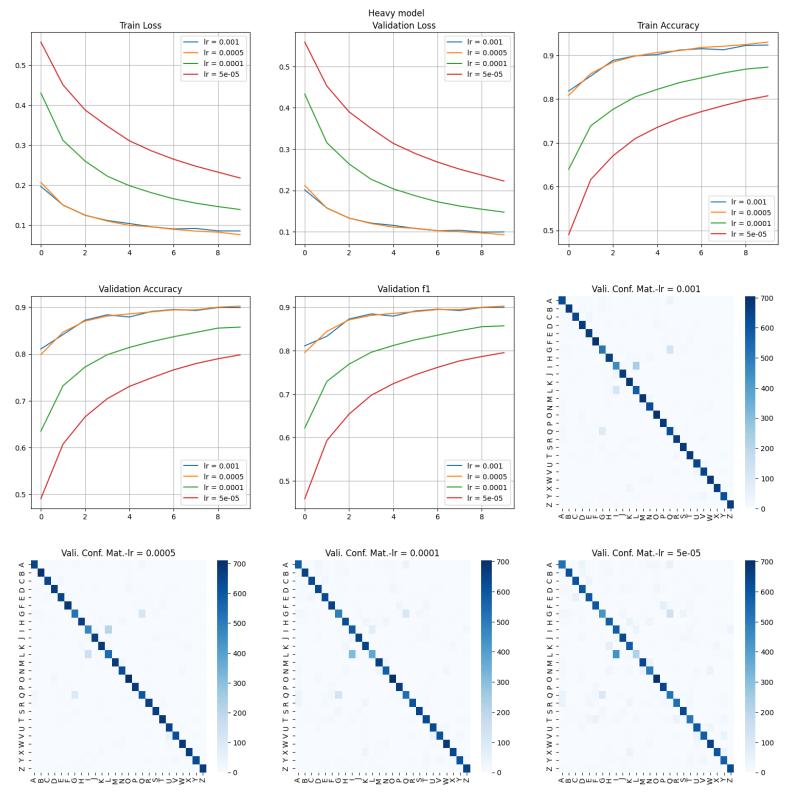
Model Architecture : [784, 32, 26], #params = 25978



Model Architecture: [784,128,64,32,26], #params = 111674

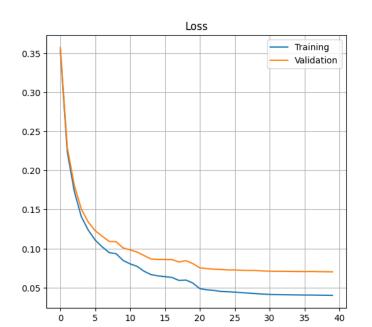


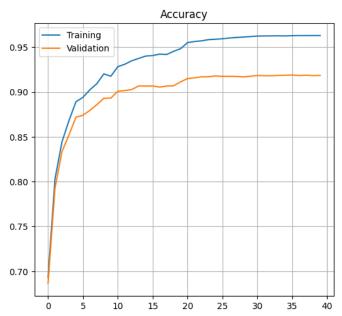
Model Architecture : [784,512,256,128,64,32,26], #params = 577338

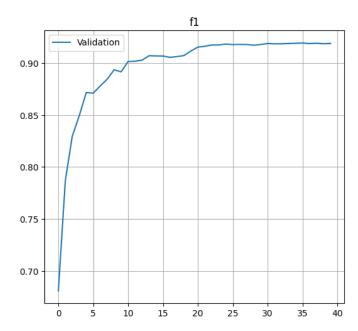


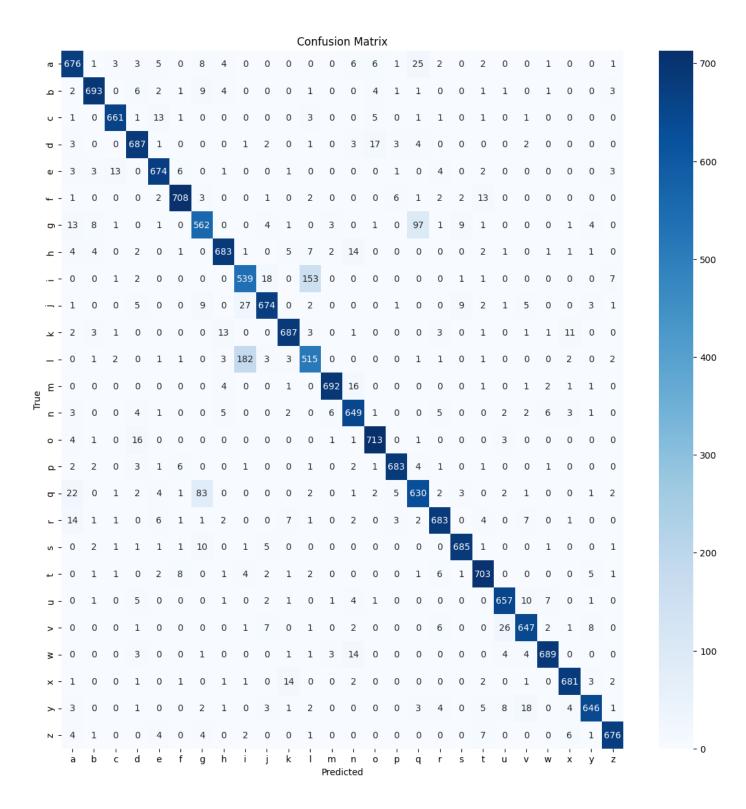
Best Performing Model

Model Architecture : [784, 1024, 256, 128, 64, 32, 26], #params = 1110330









Test accuracy: 0.920625

Test macro F1: 0.920622151867392