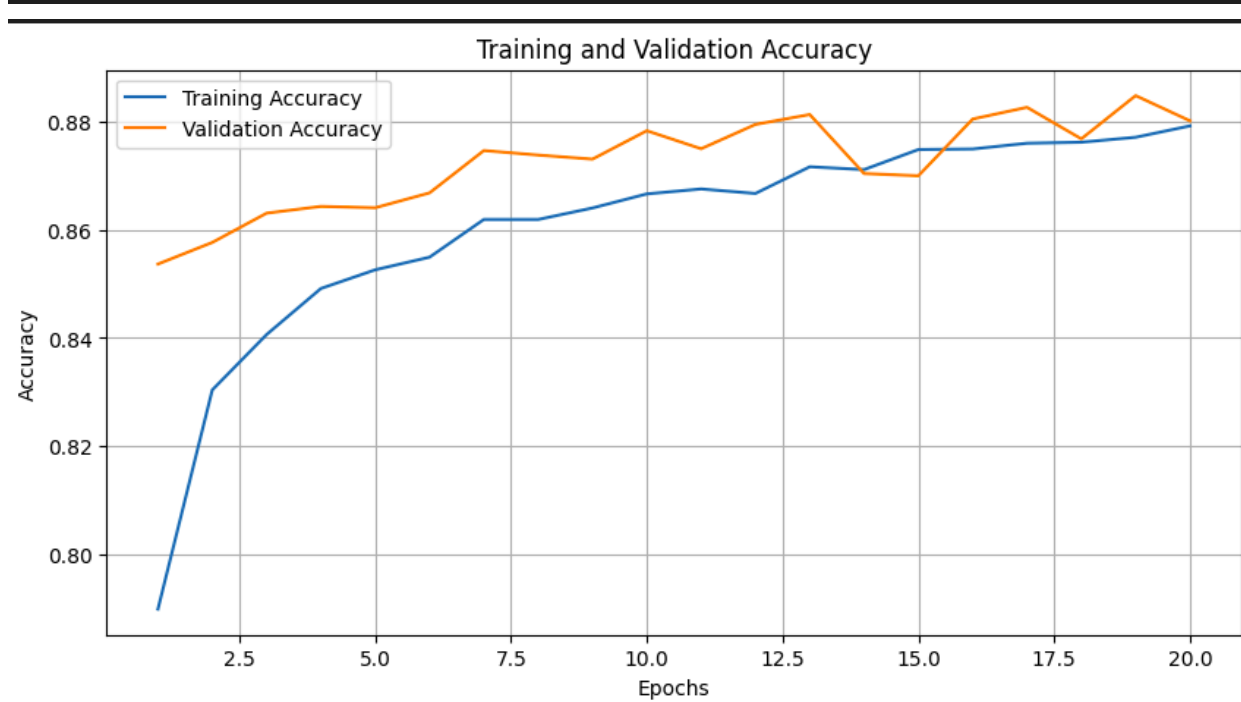
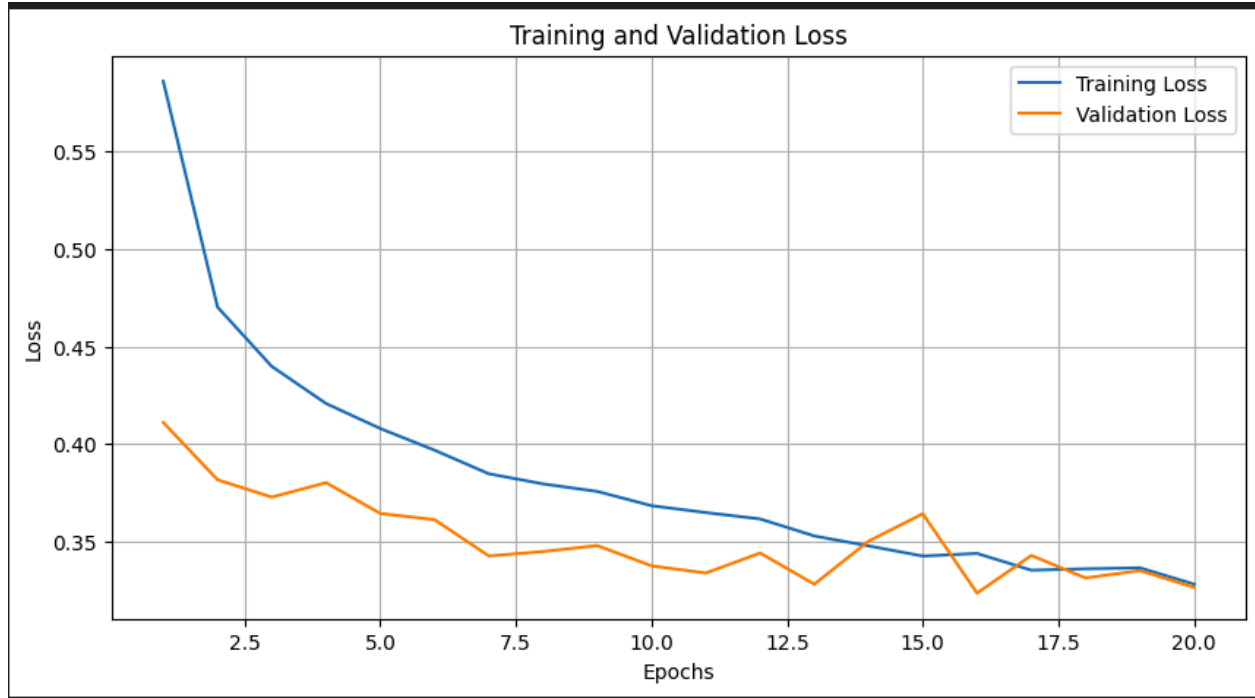


Models:

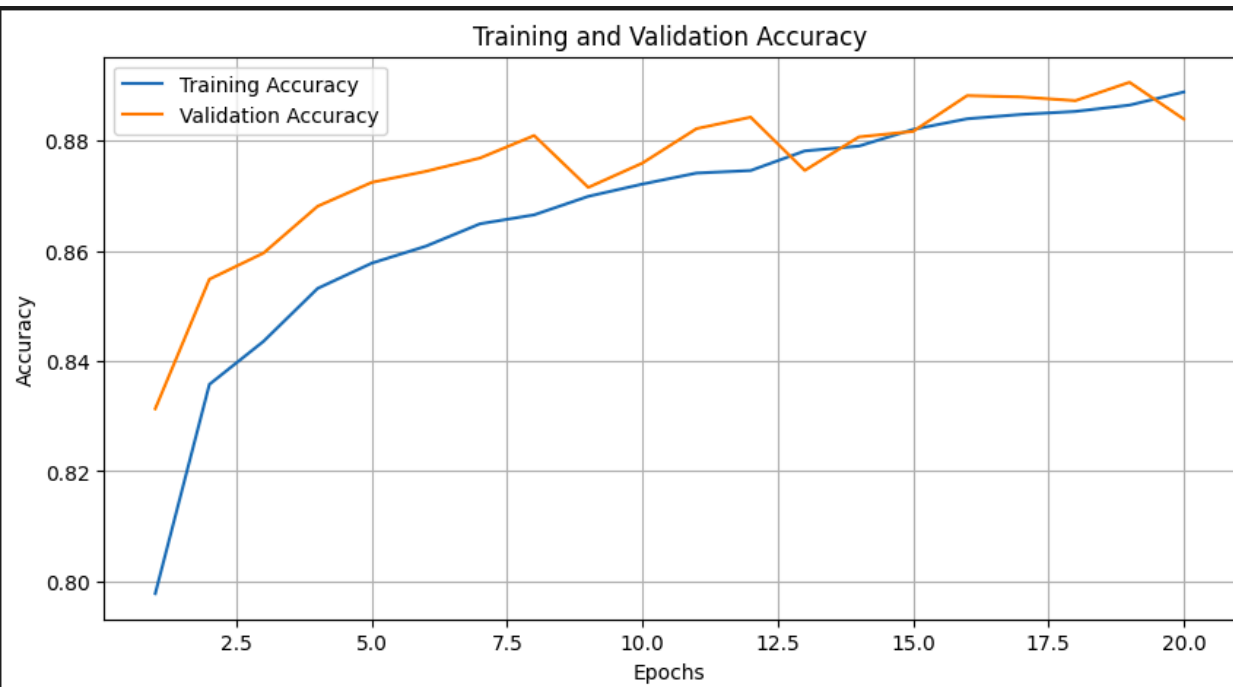
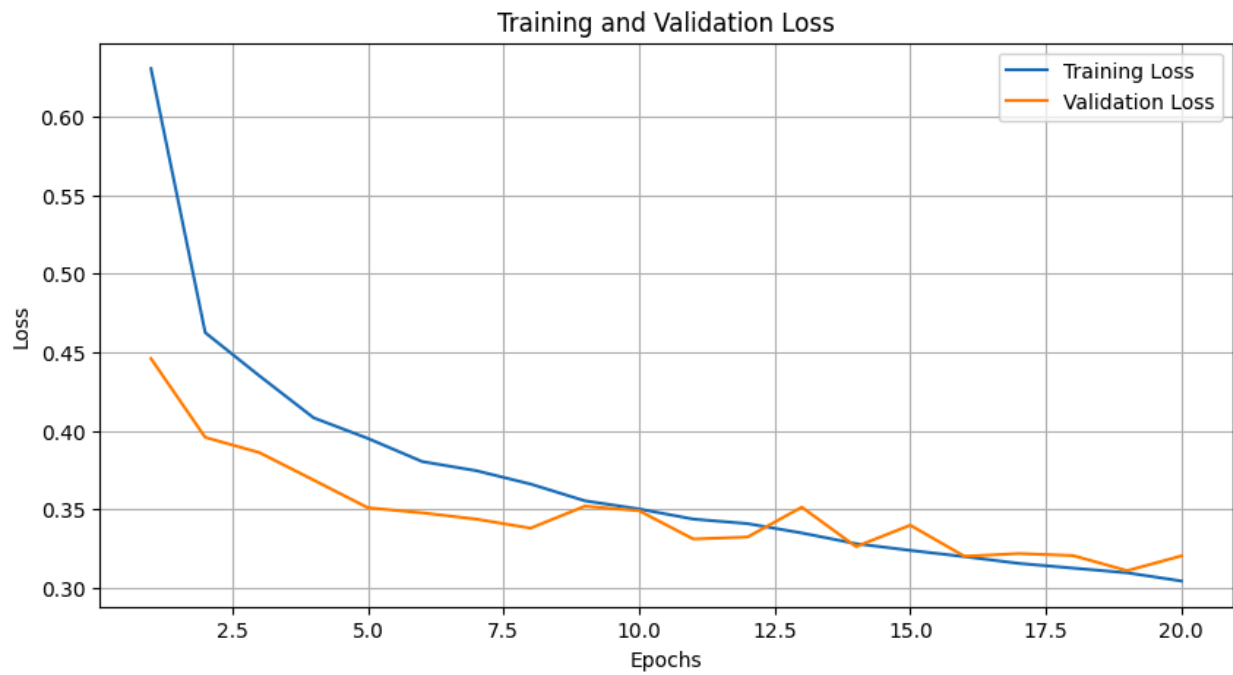
Model1 (One Layer , Hidden Dim = 128):

Learning rate 0.01:



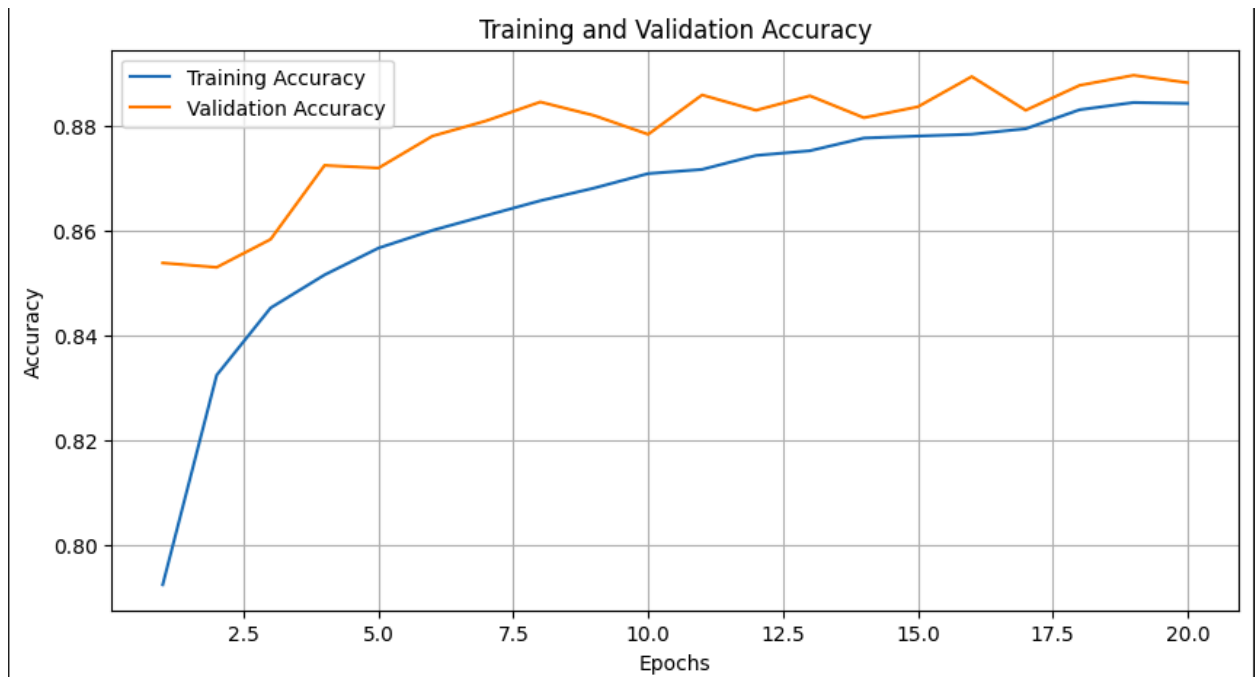
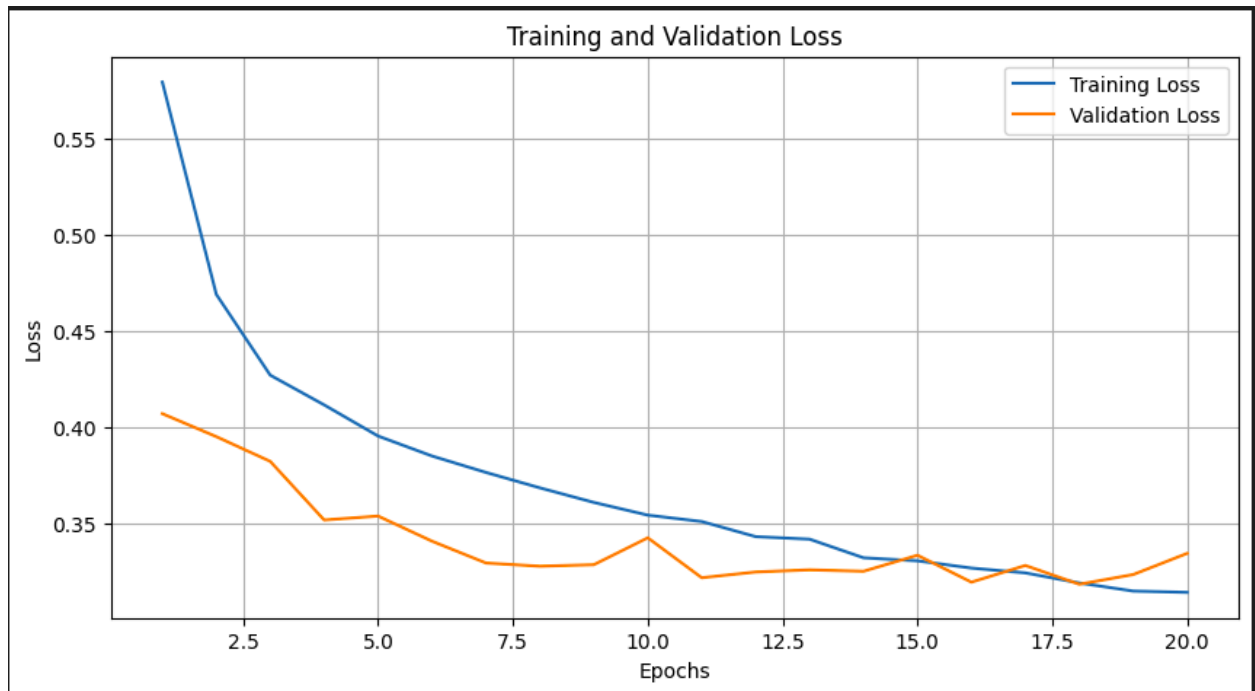
Validation Macro F1 Score: 0.8797168427050612

Learning rate 0.001:



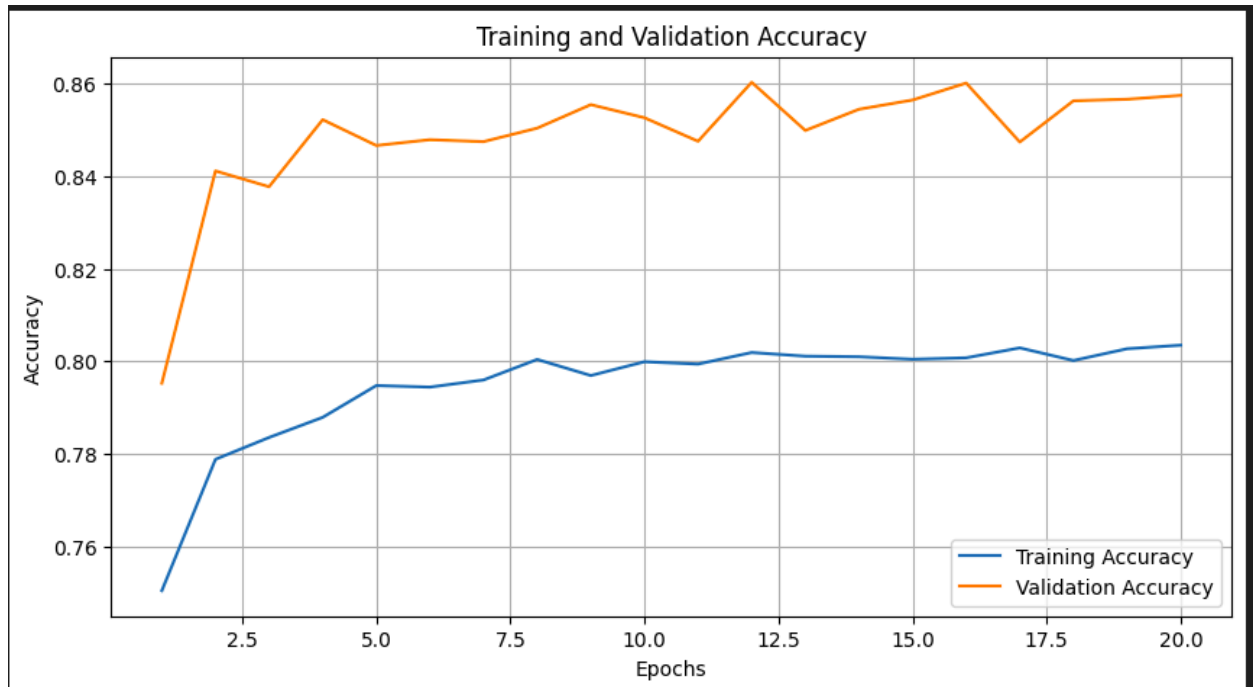
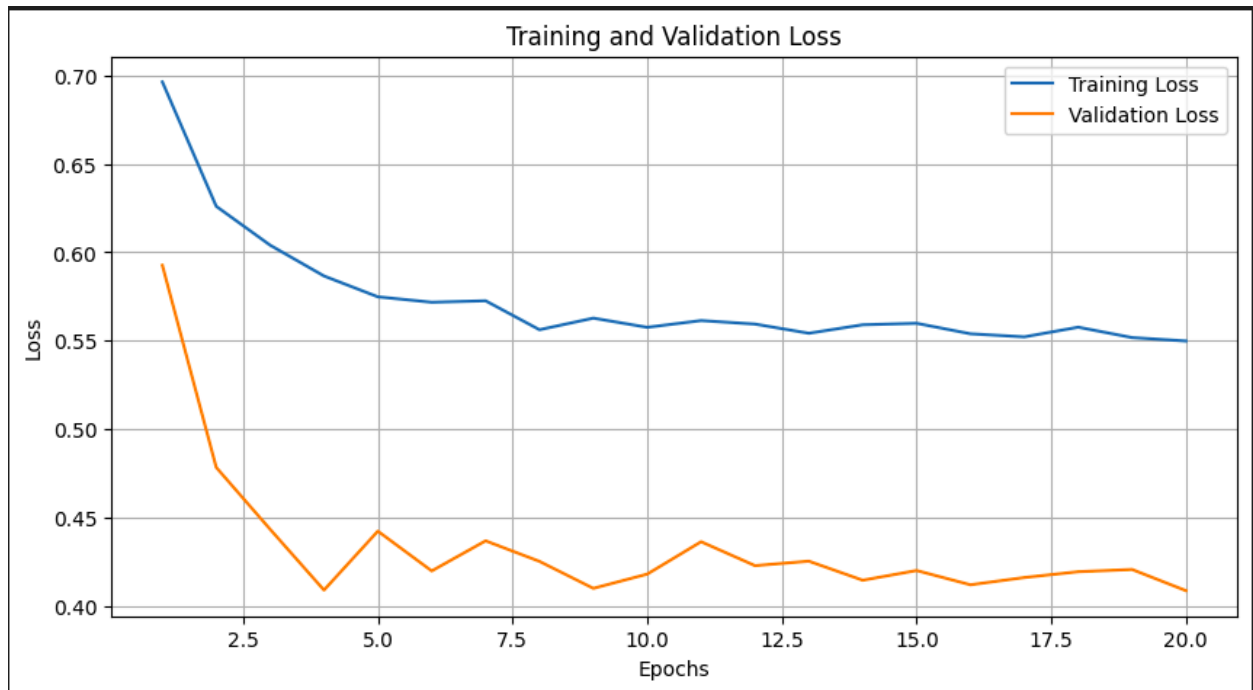
Validation Macro F1 Score: 0.8829508232089379

Learning rate 0.005:



Validation Macro F1 Score: 0.8868711970458547

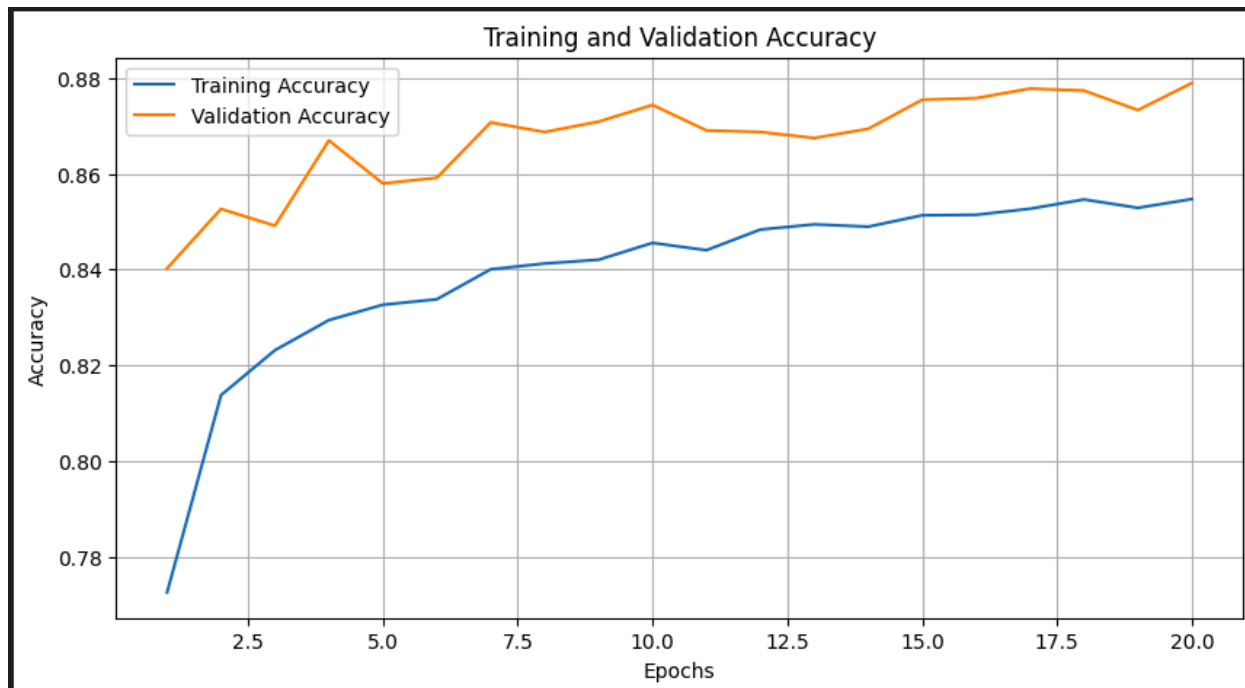
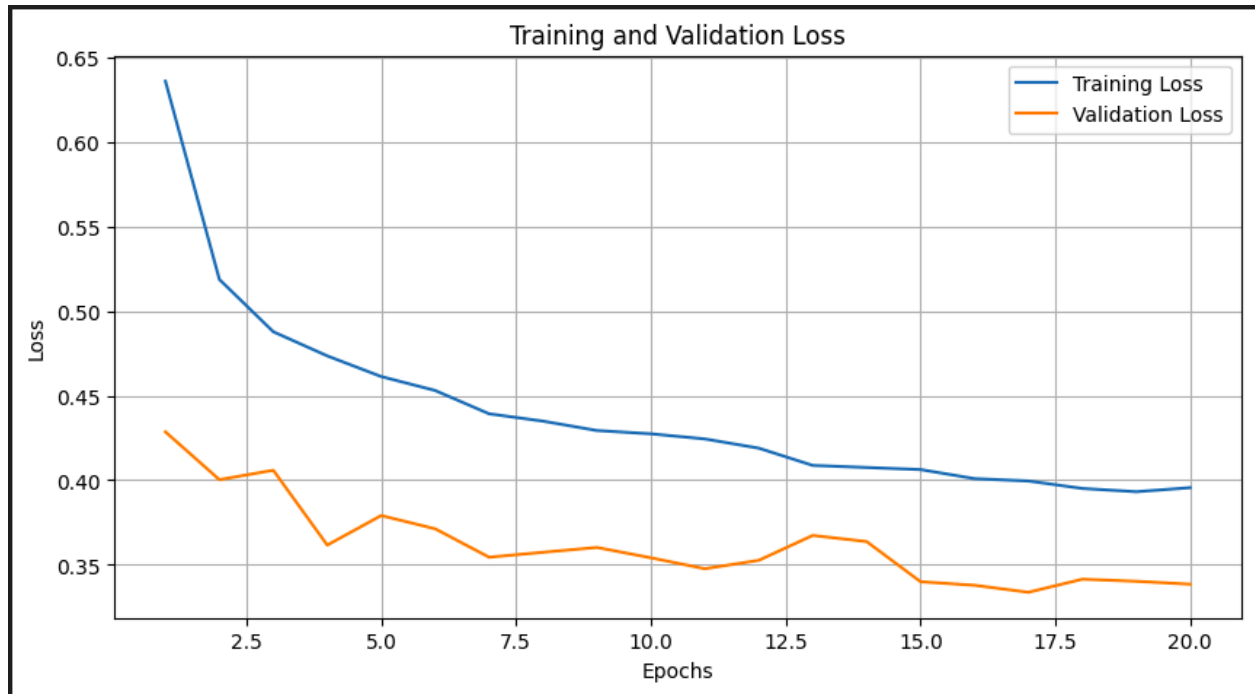
Learning rate 0.05:



Validation Macro F1 Score: 0.8548672737184946

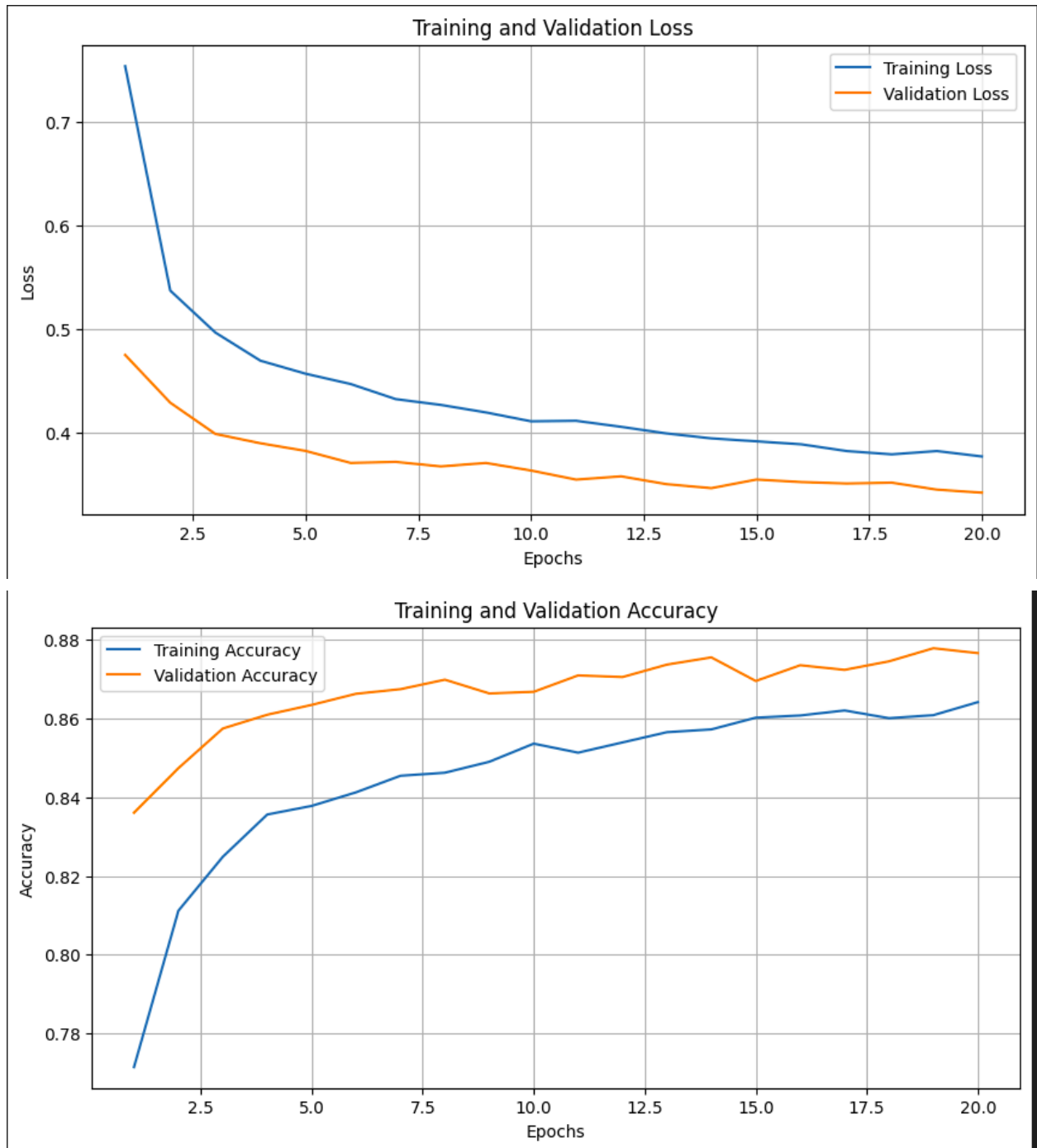
Model2 (One Layer , Hidden Dim = 64):

Learning rate 0.01:



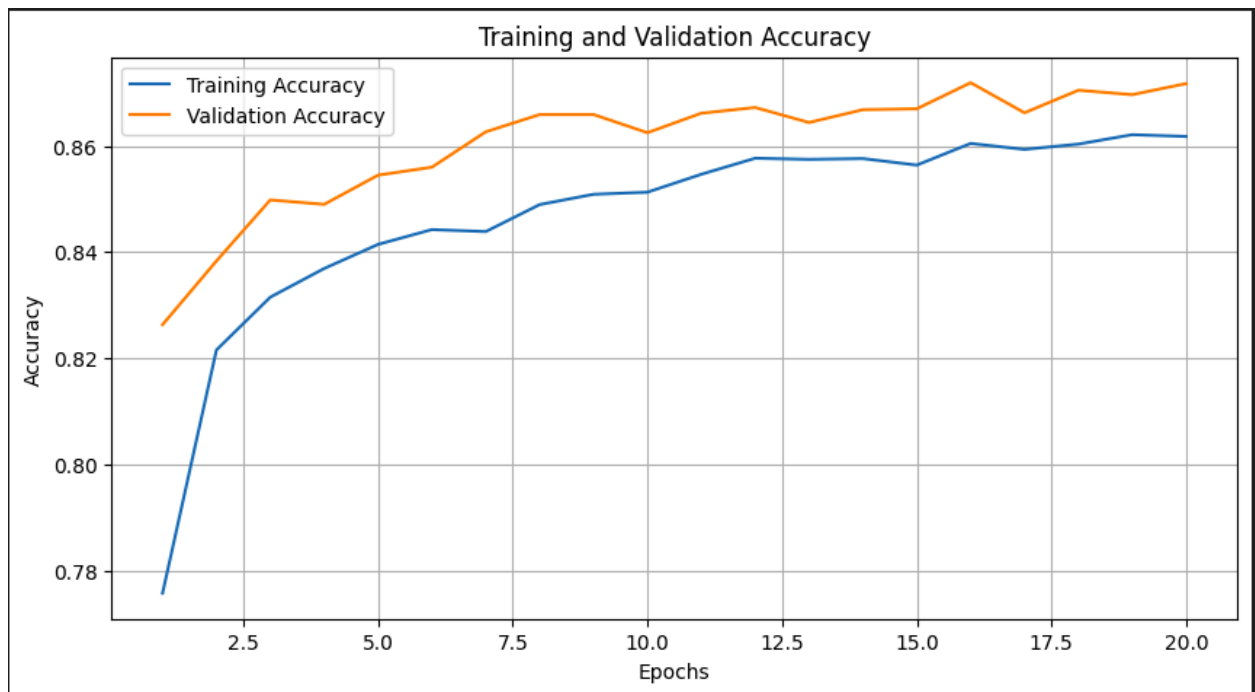
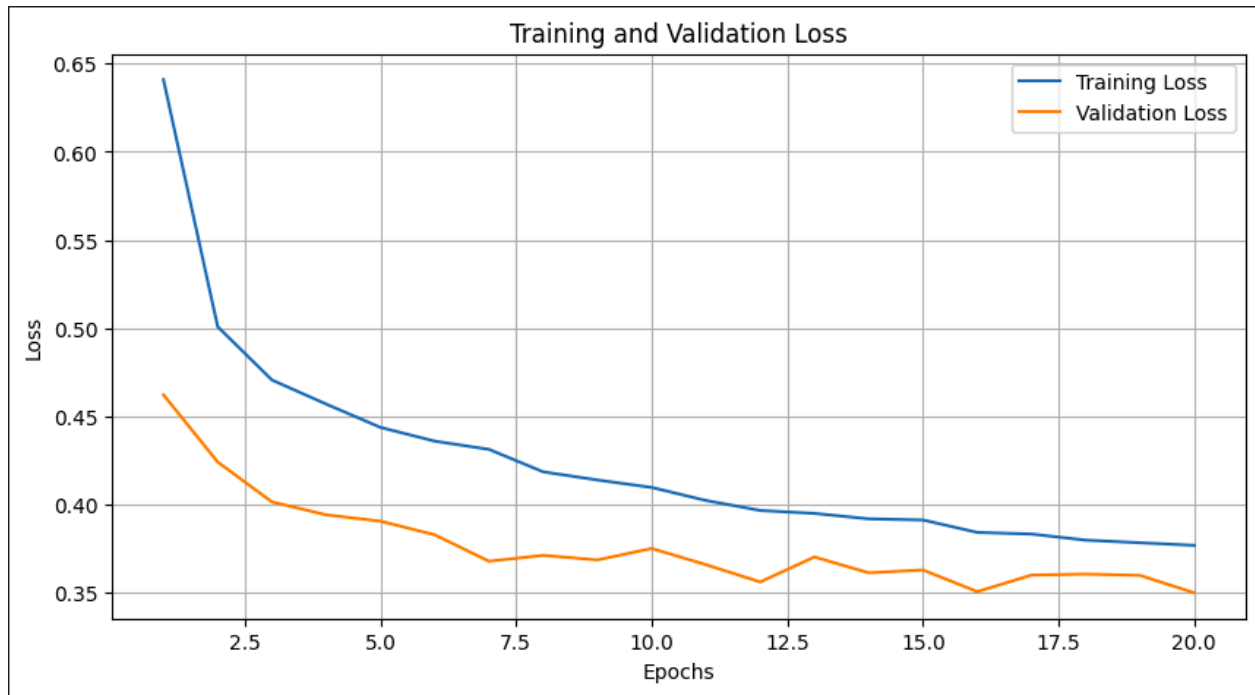
Validation Macro F1 Score: 0.8756091091347965

Learning rate 0.001:



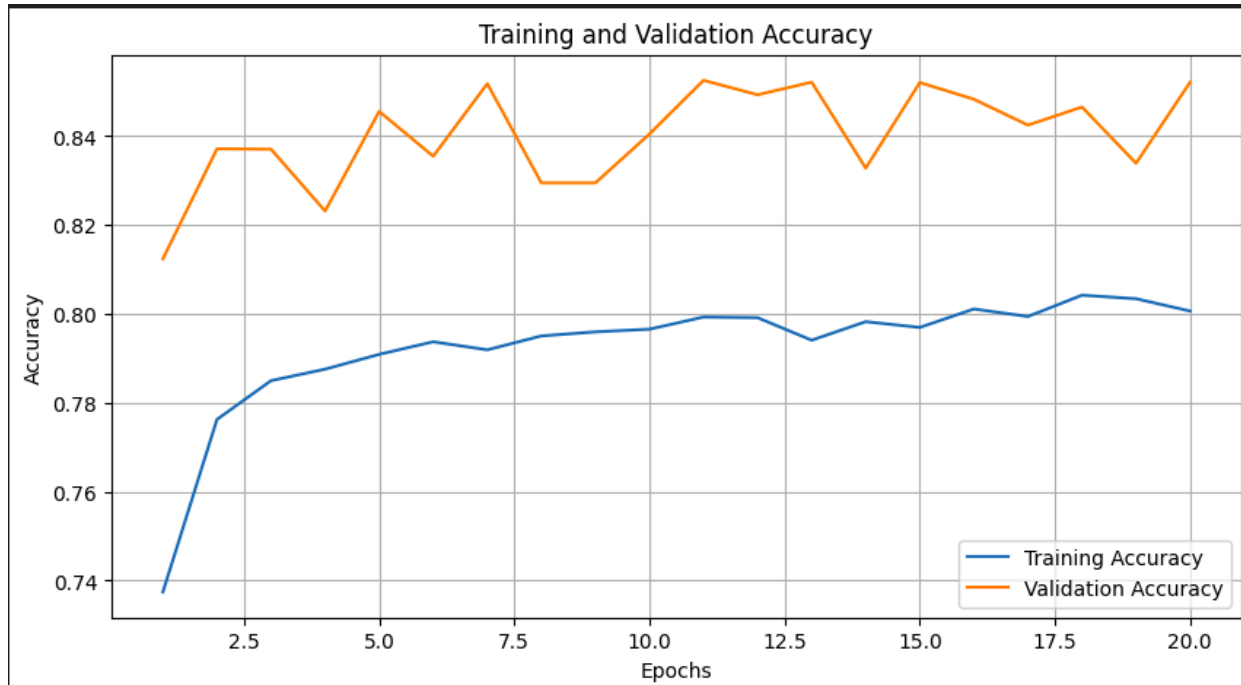
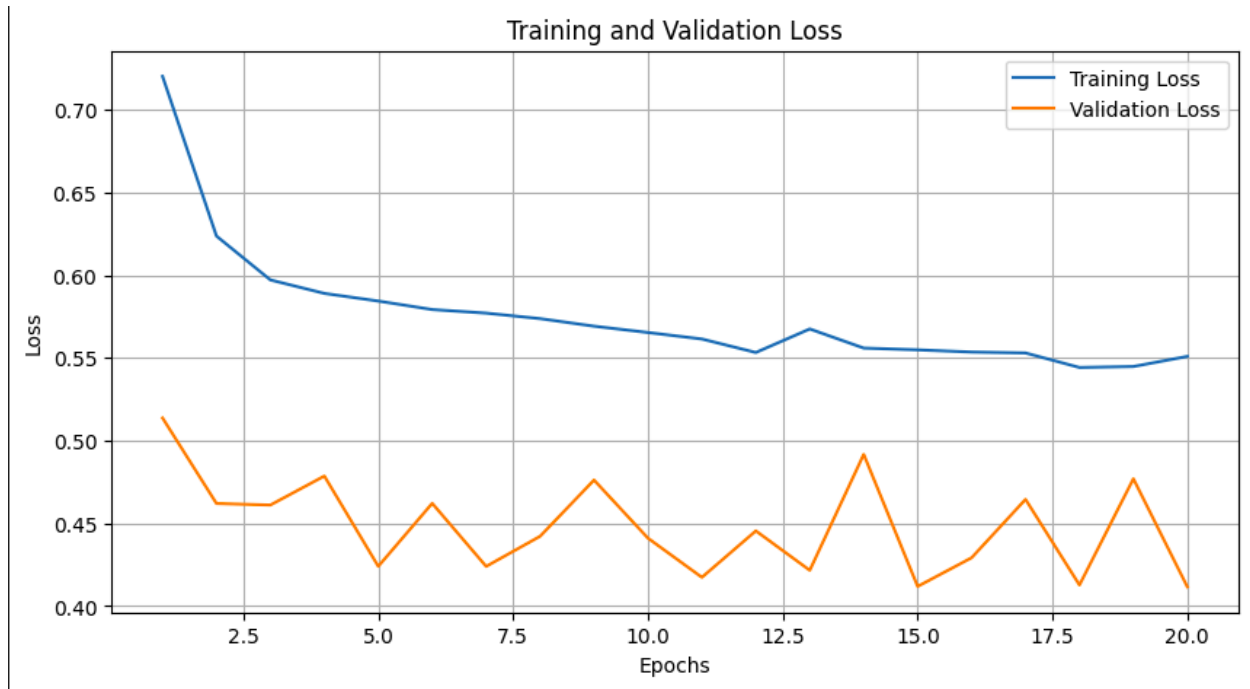
Validation Macro F1 Score: 0.8756317013126174

Learning rate 0.005:



Validation Macro F1 Score: 0.8722193479449073

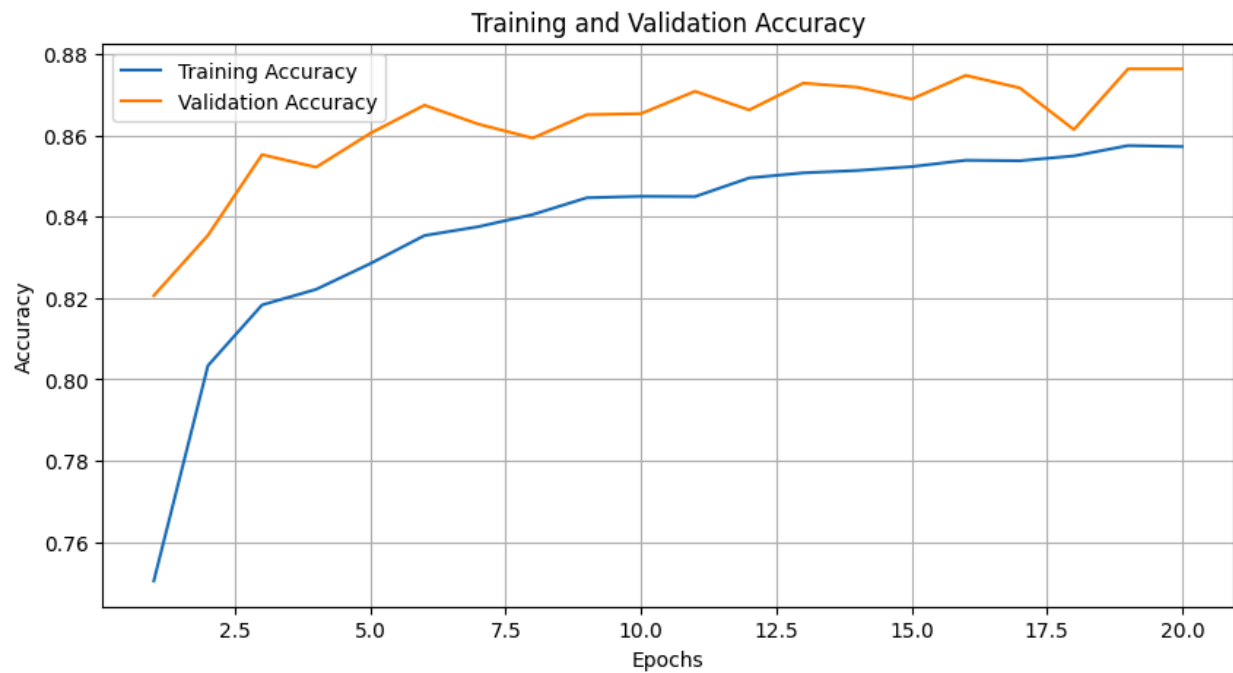
Learning rate 0.05:



Validation Macro F1 Score: 0.853726360946436

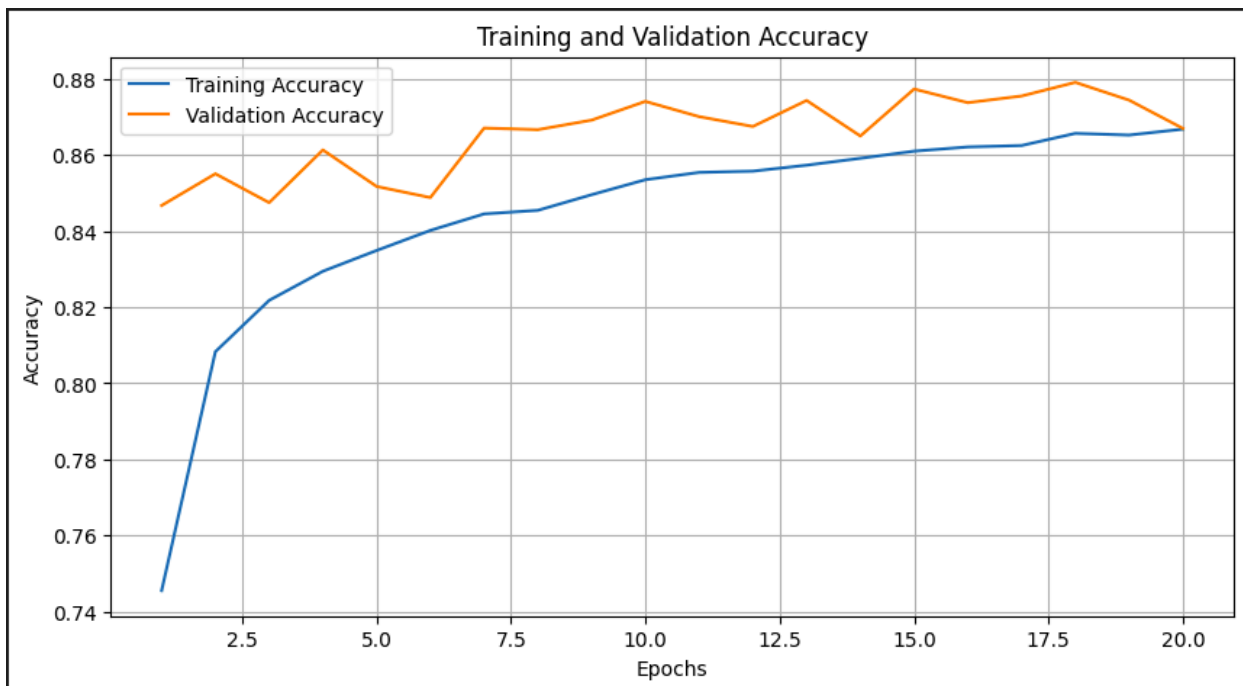
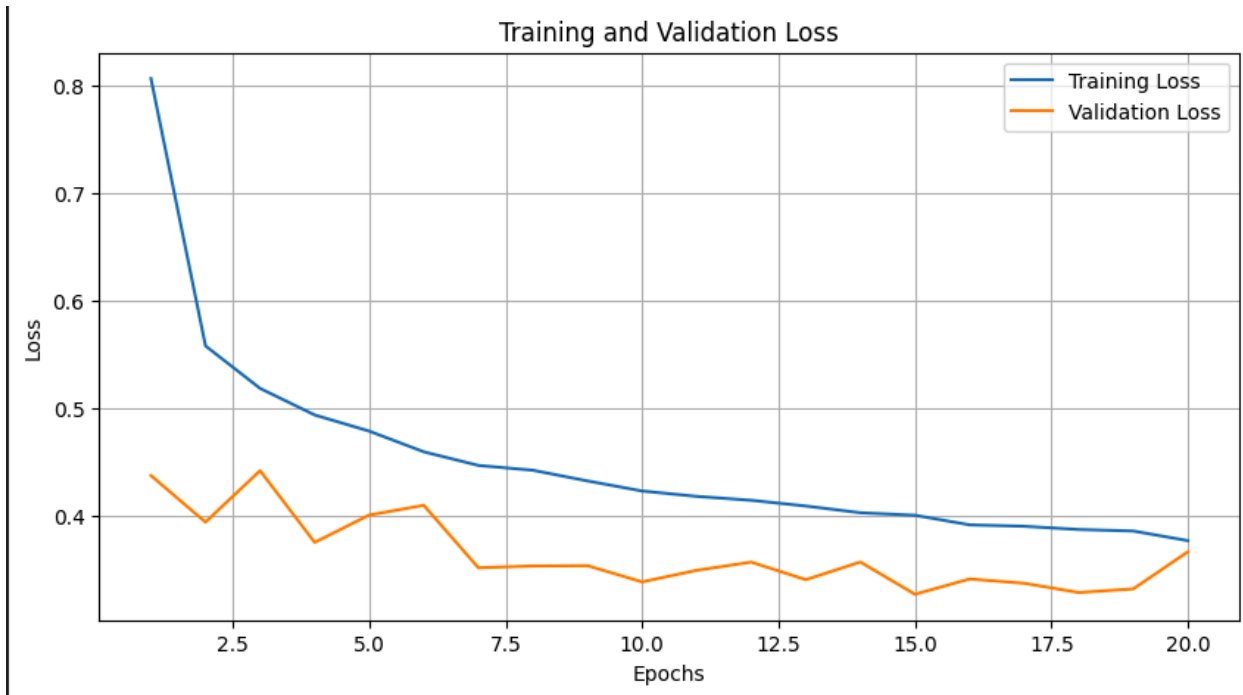
Model3 (Two Layers, First Layer Hidden Dim = 128, Second Layer Hidden Dim = 64):

Learning rate 0.01:



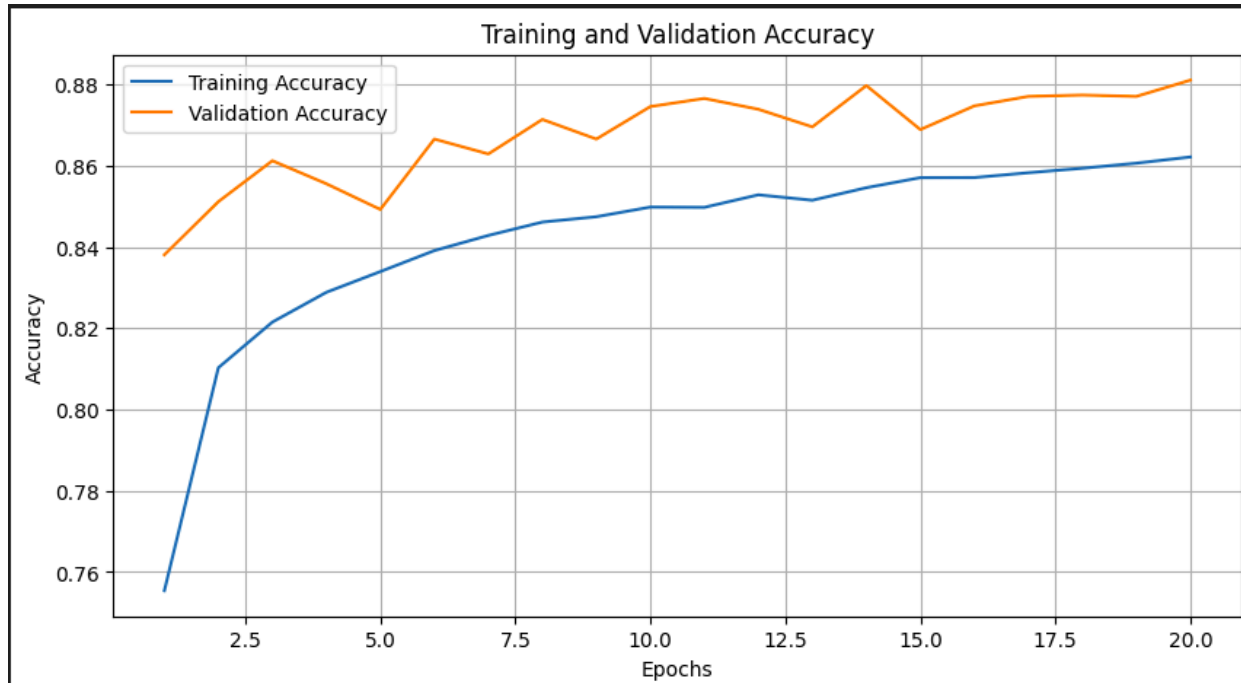
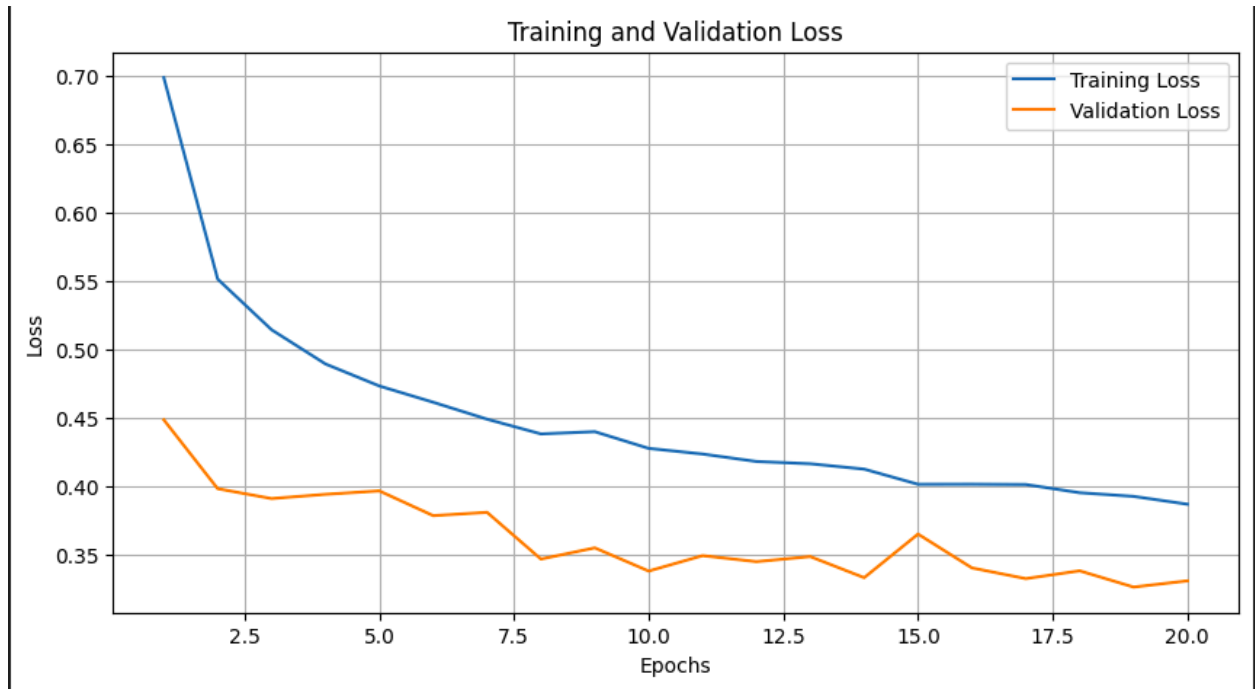
Validation Macro F1 Score: 0.873753671766682

Learning rate 0.001:



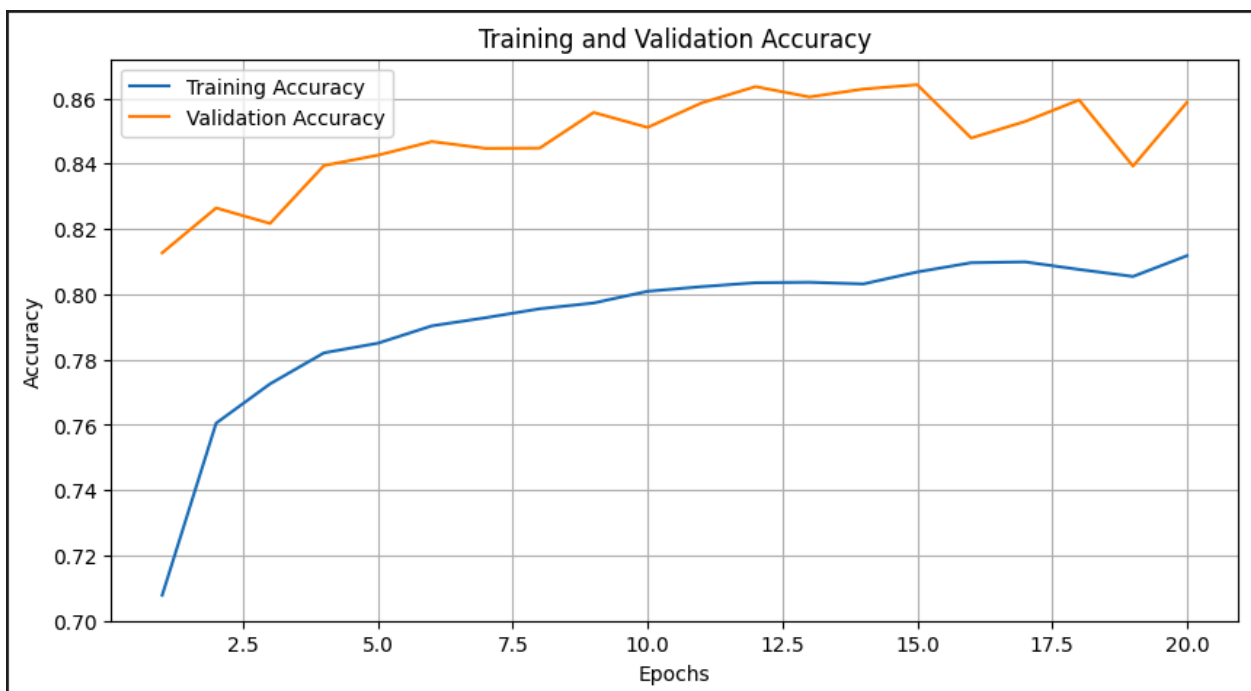
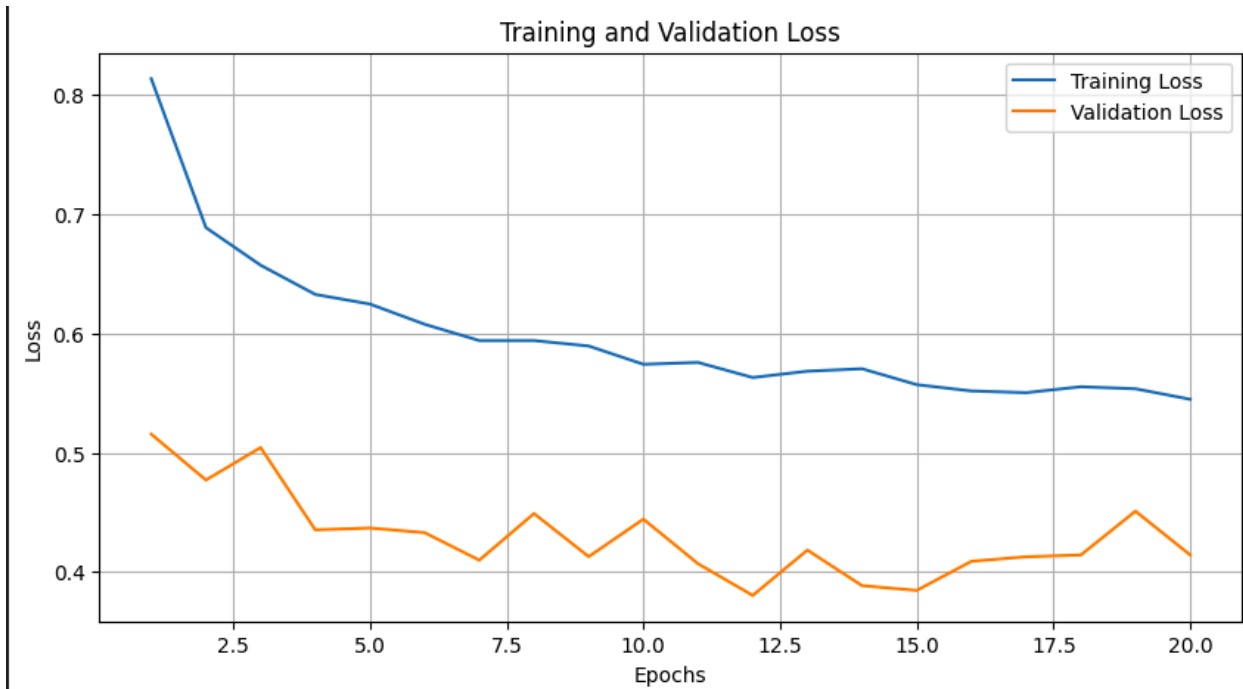
Validation Macro F1 Score: 0.8668565136866235

Learning rate 0.005:



Validation Macro F1 Score: 0.8799250137914072

Learning rate 0.05:



Validation Macro F1 Score: 0.8592589538216586

Best Model : Model1 with learning rate 0.005

Test Accuracy for best model: 0.8131

Test Macro F1 Score for best model: 0.8102594034053245