

Outro



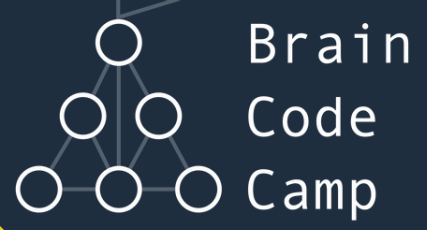
Deep learning



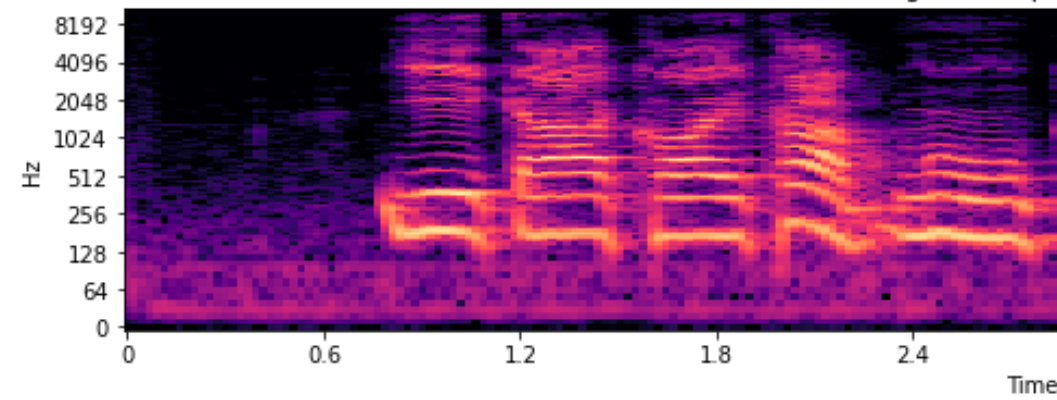
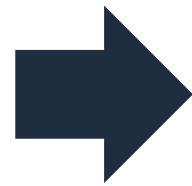
Normal speech



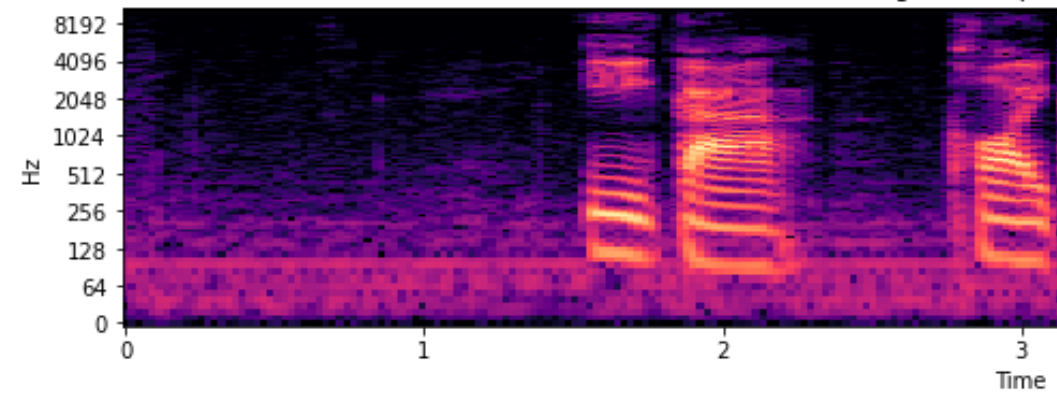
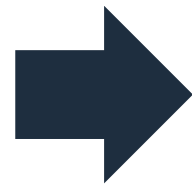
Dysarthria



Normal speech

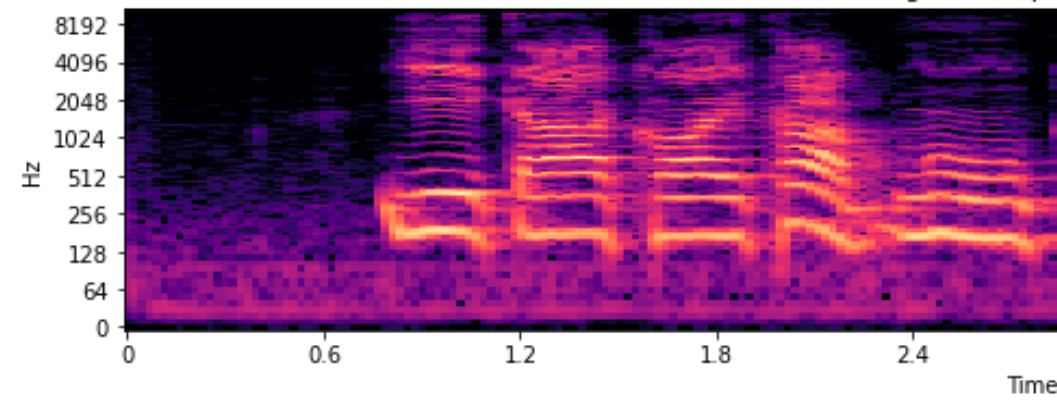
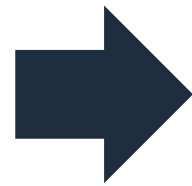


Dysarthria

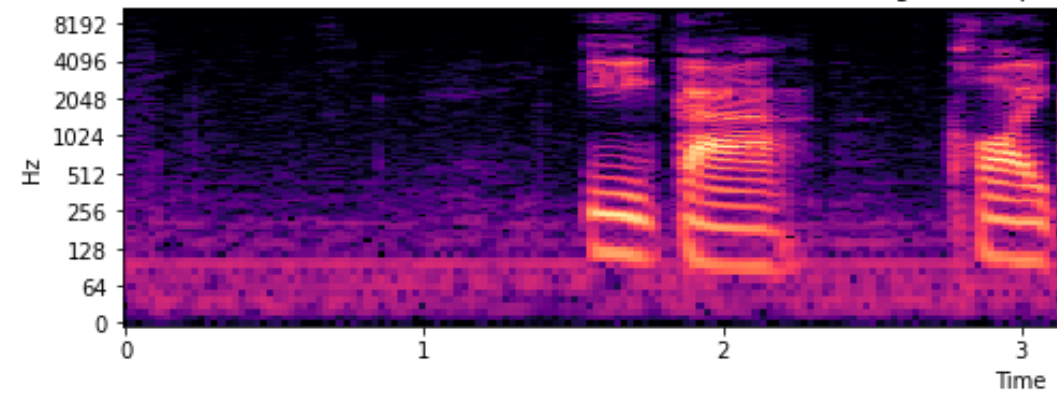
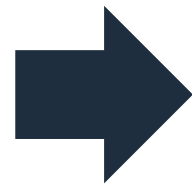




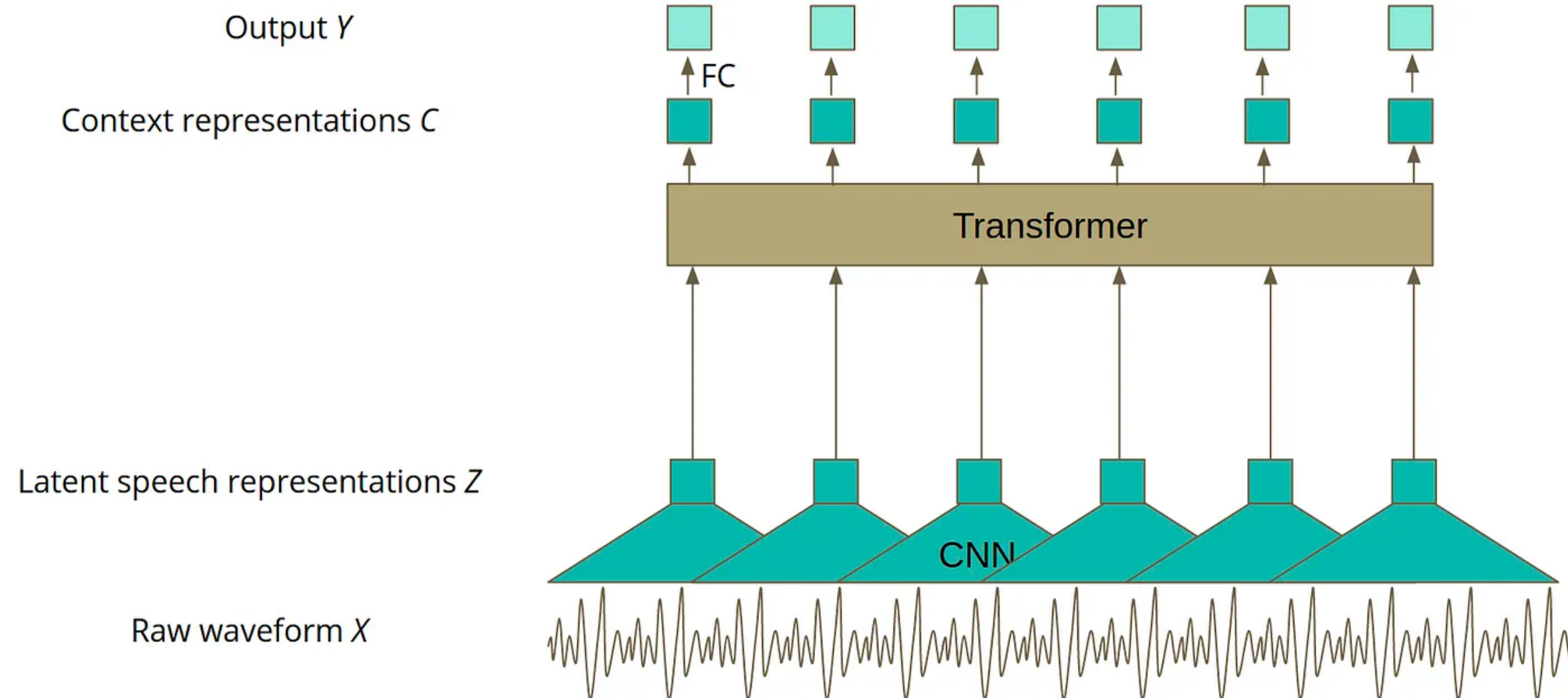
Normal speech



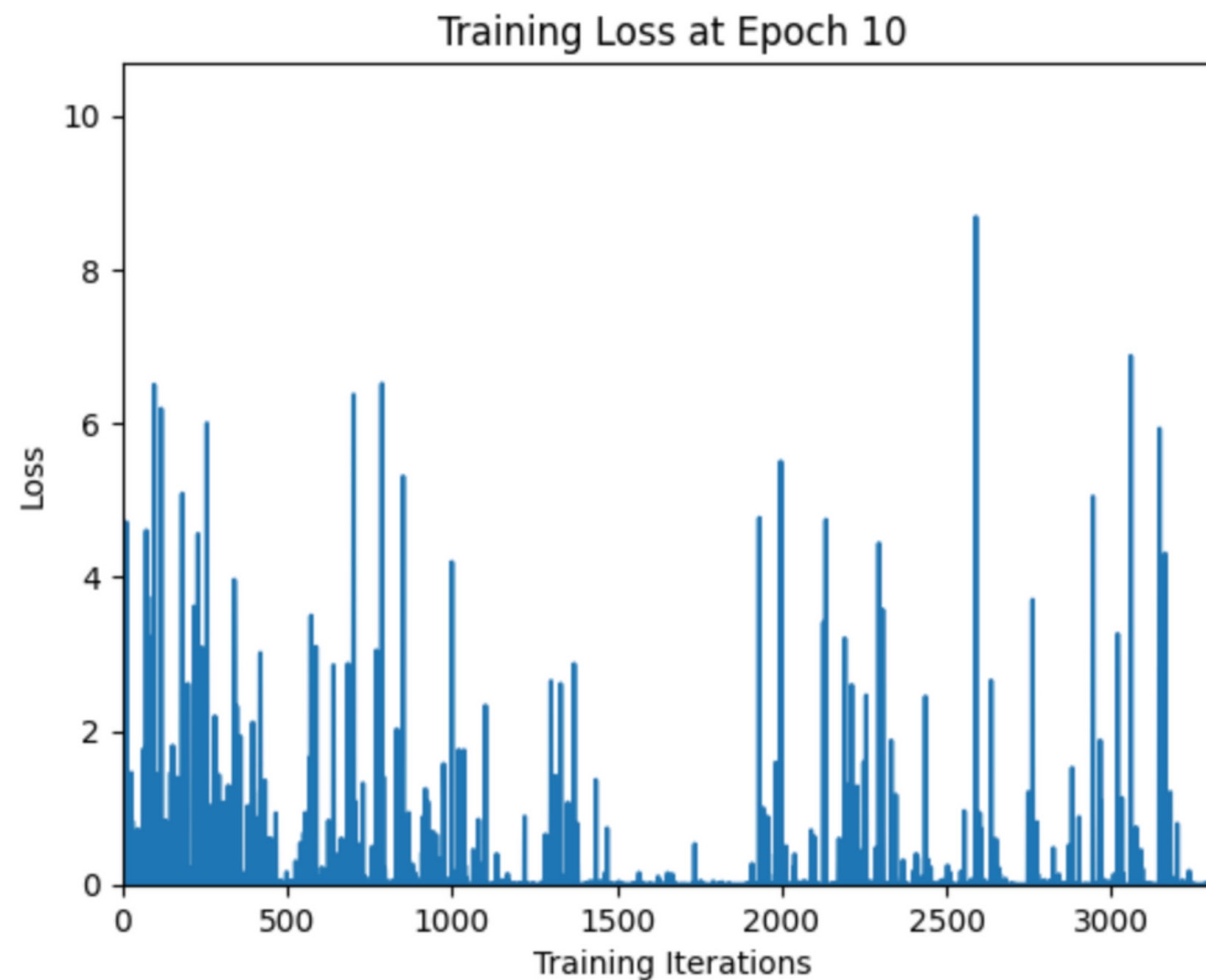
Dysarthria



Wav2vec



Results

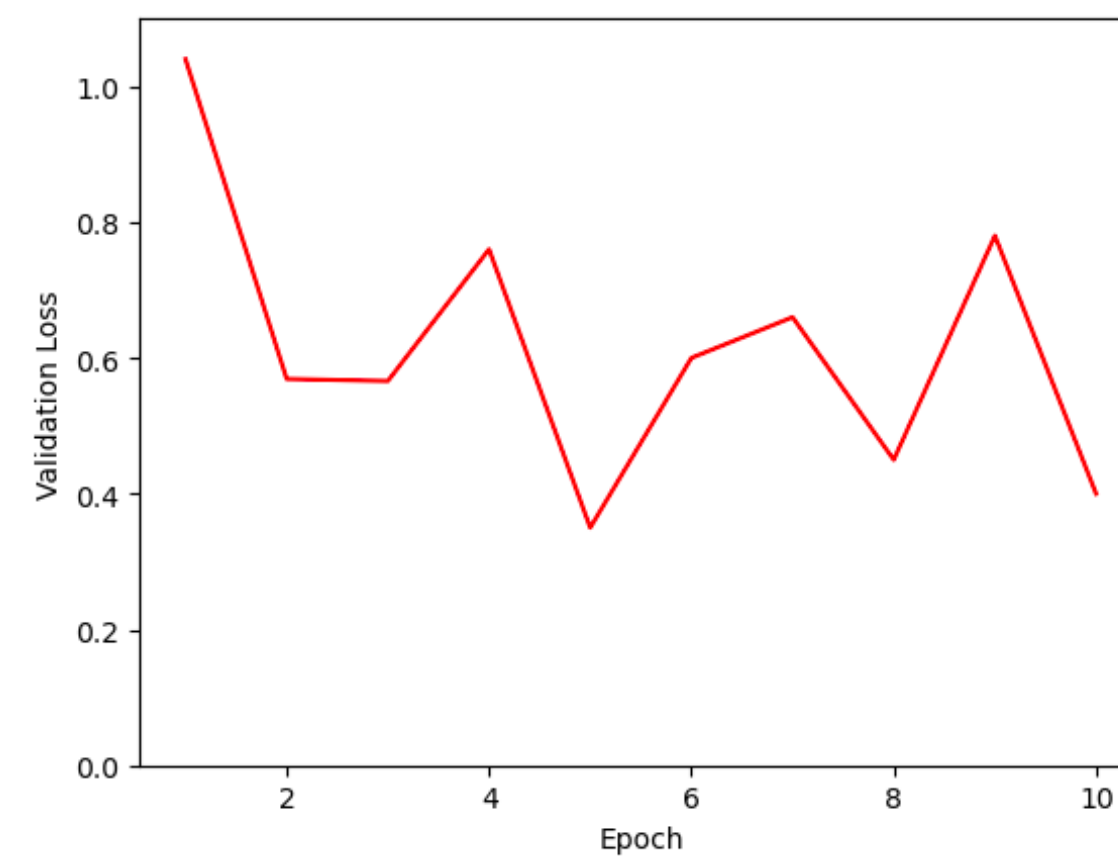
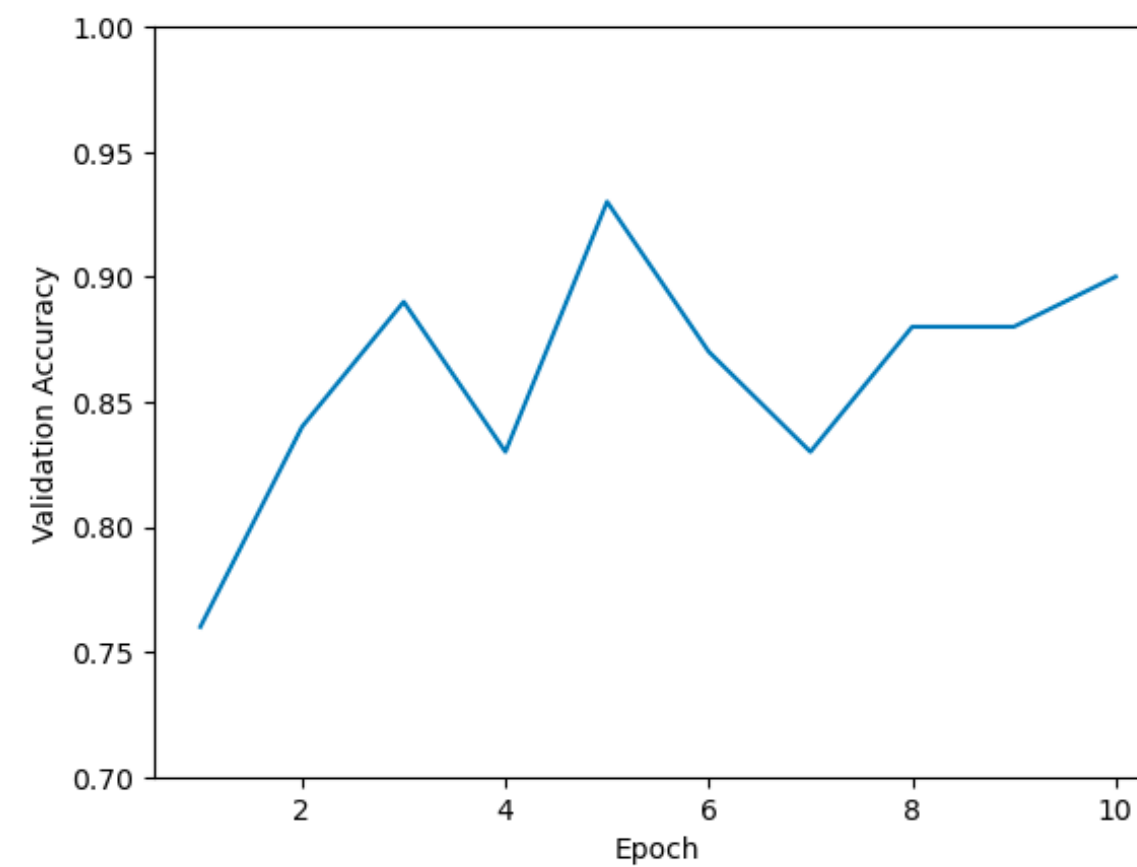


Average Loss after Epoch 10: 0.10438593053260029

Epoch 10, Train Loss: 0.10438593053260029

Epoch 10, Validation Loss: 0.3996981418384758, Validation Accuracy: 0.90

Results



Limitations



Require large amount
of data to train effectively



High computational
requirement



Costly and
time-consuming