

# Model Performance Report

## Training and Classification Times

Model: resnet | Training Time: 29.87s | Classification Time: 0.00s

Model: lstm | Training Time: 60.68s | Classification Time: 0.64s

Model: transformer | Training Time: 133.07s | Classification Time: 0.52s

## AUC Scores

Model: lstm | AUC Score: 0.56

Model: transformer | AUC Score: 0.50

## Model: Istm

Class: Class 0

precision: 0.33

recall: 0.08

f1-score: 0.13

support: 25.00

Class: Class 1

precision: 0.47

recall: 0.53

f1-score: 0.49

support: 38.00

Class: Class 2

precision: 0.34

recall: 0.66

f1-score: 0.45

support: 35.00

Class: Class 3

precision: 0.50

recall: 0.09

f1-score: 0.15

support: 23.00

accuracy: 0.39

Class: macro avg

precision: 0.41

recall: 0.34

f1-score: 0.30

support: 121.00

Class: weighted avg

precision: 0.41

recall: 0.39

f1-score: 0.34

support: 121.00

## Model: transformer

Class: Class 0

precision: 0.00

recall: 0.00

f1-score: 0.00

support: 25.00

Class: Class 1

precision: 0.00

recall: 0.00

f1-score: 0.00

support: 38.00

Class: Class 2

precision: 0.29

recall: 1.00

f1-score: 0.45

support: 35.00

Class: Class 3

precision: 0.00

recall: 0.00

f1-score: 0.00

support: 23.00

accuracy: 0.29

Class: macro avg

precision: 0.07

recall: 0.25

f1-score: 0.11

support: 121.00

Class: weighted avg

precision: 0.08

recall: 0.29

f1-score: 0.13

support: 121.00

Figure 1

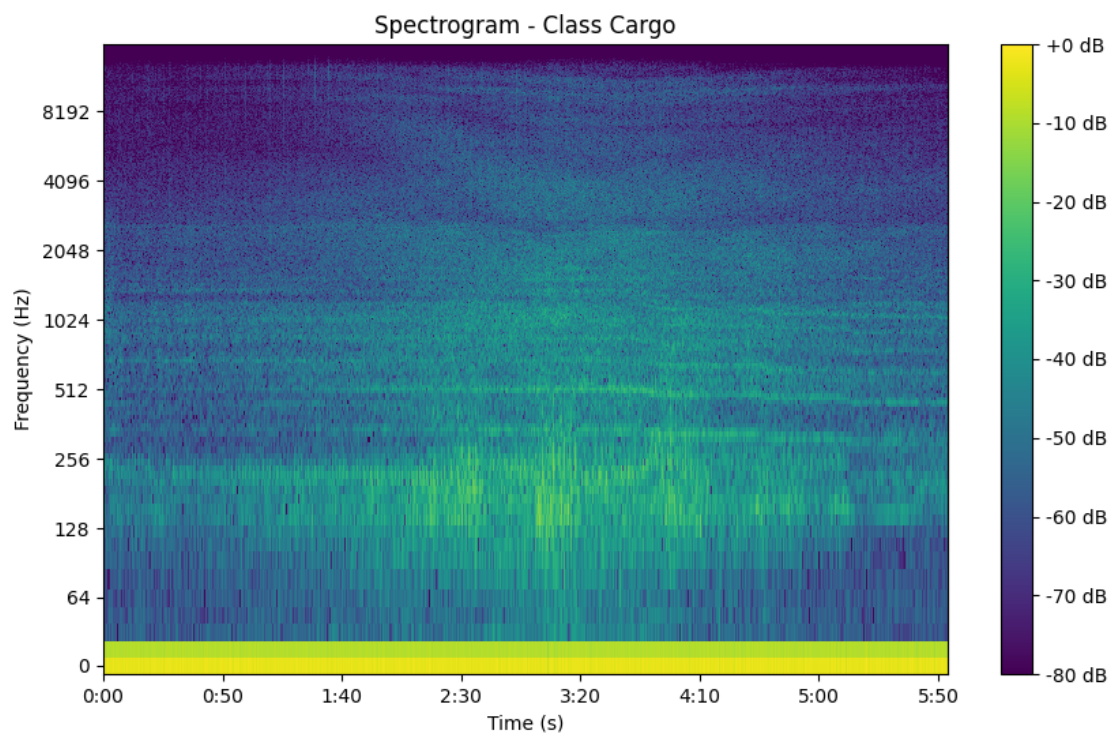


Figure 2

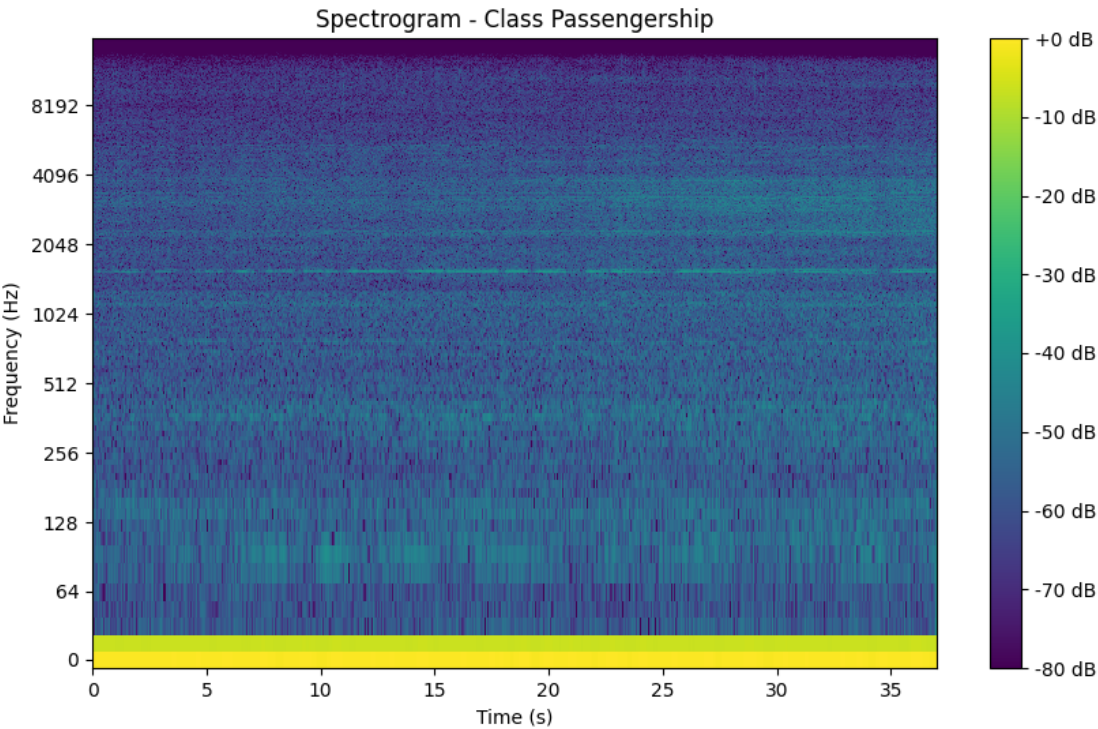


Figure 3

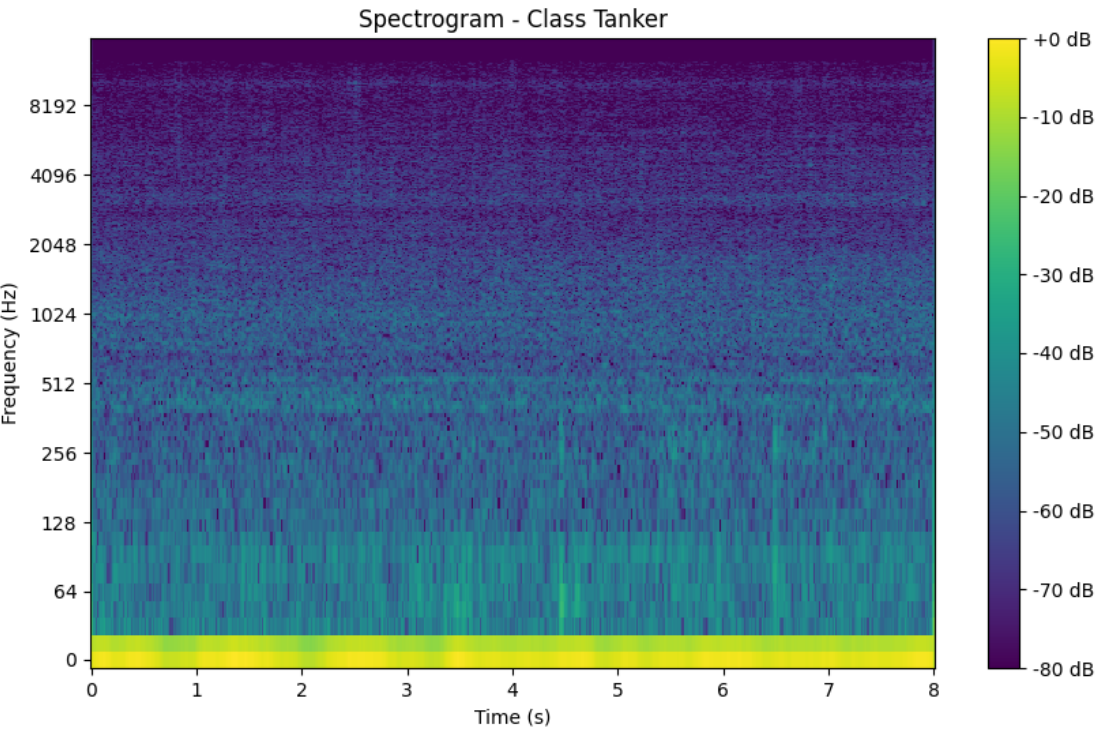


Figure 4

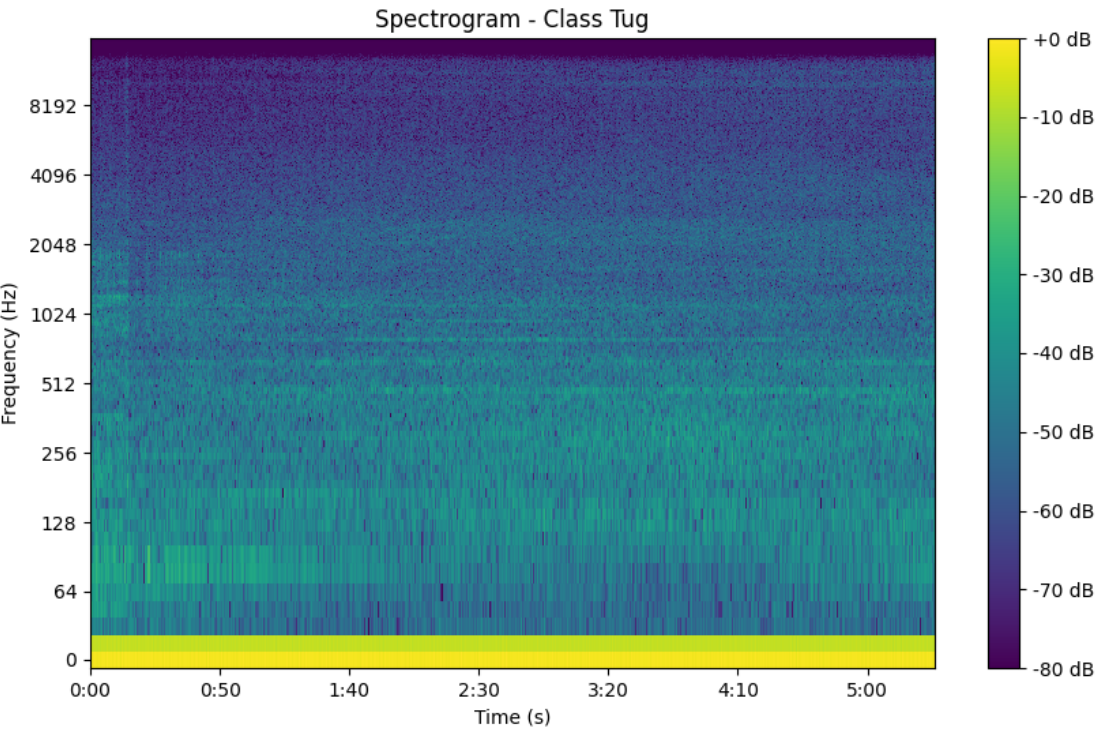


Figure 5

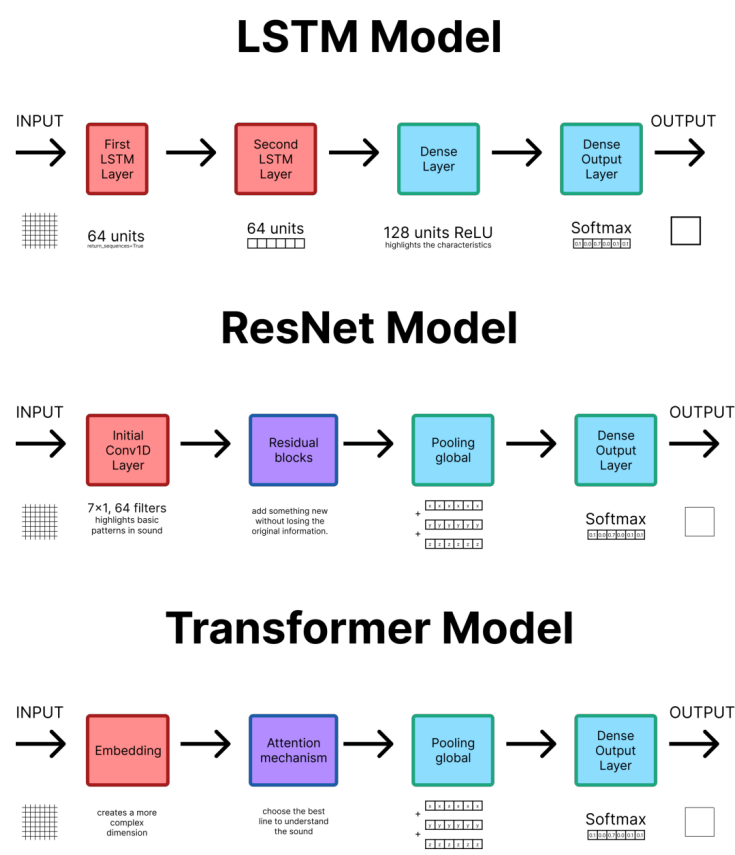




Figure 6

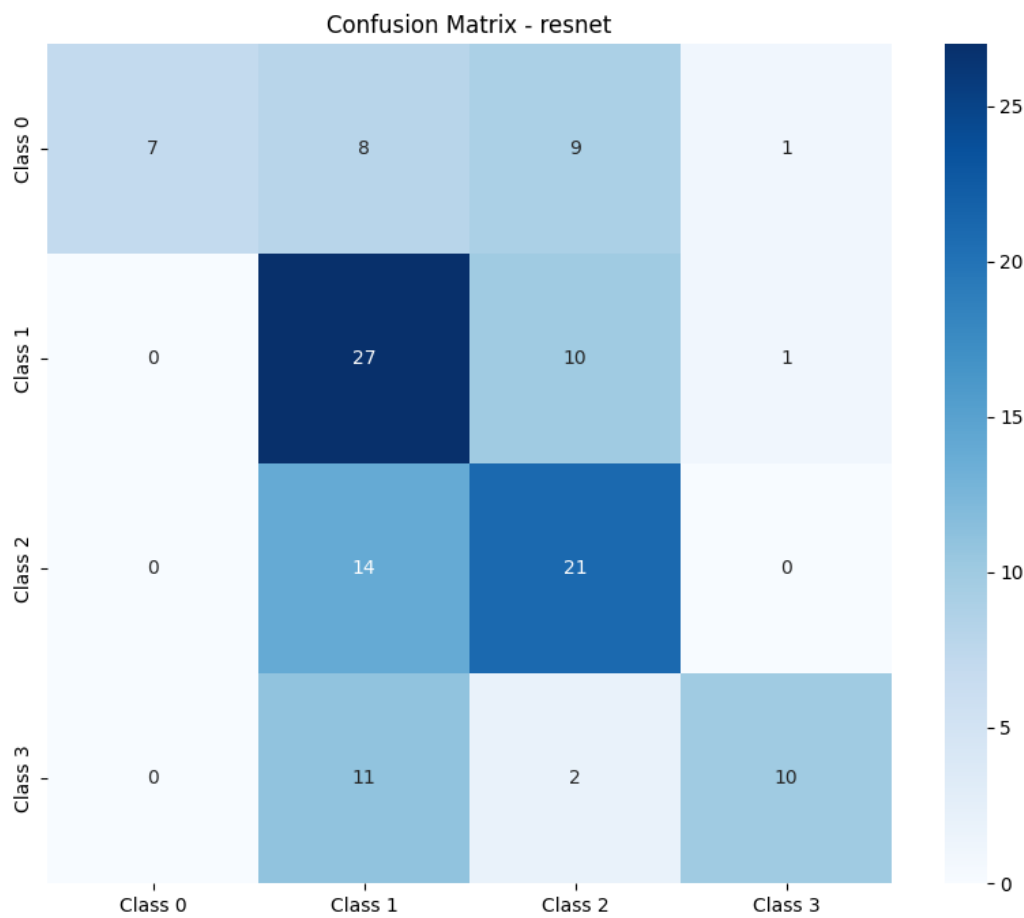


Figure 7

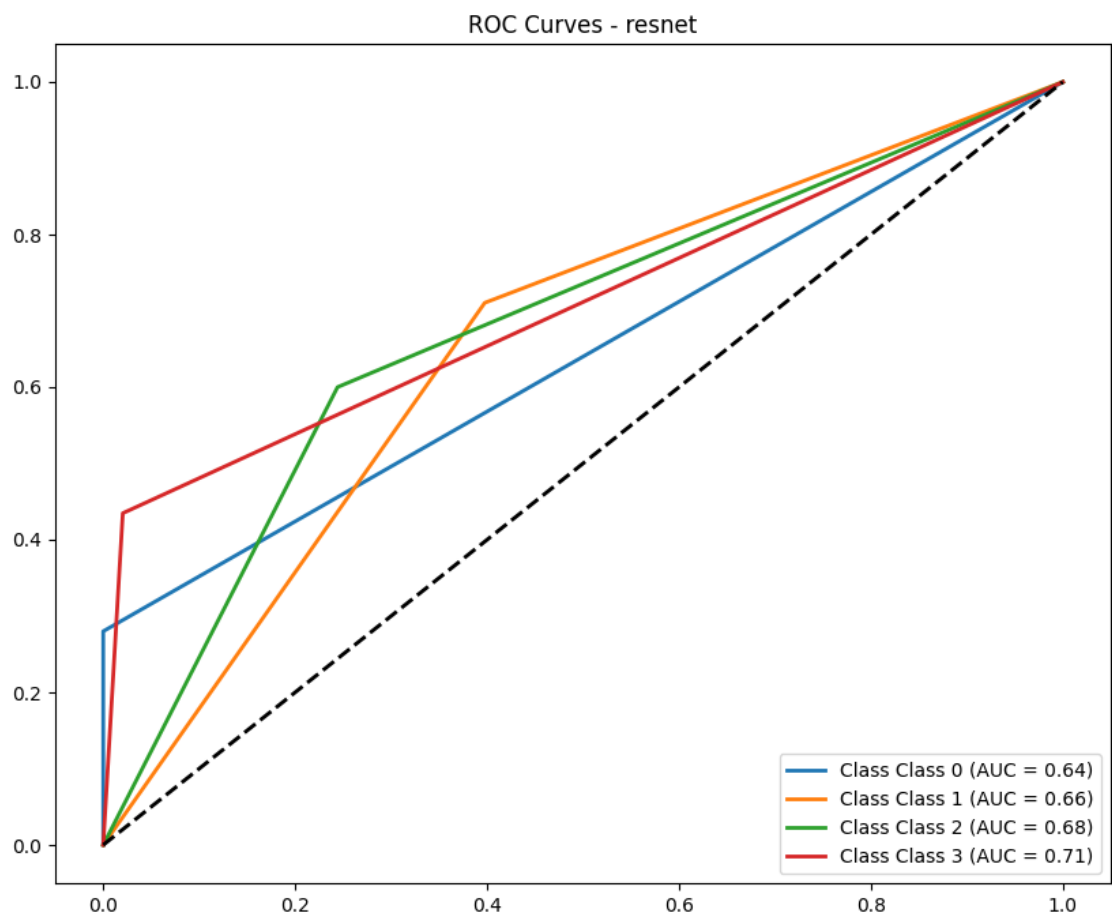


Figure 8

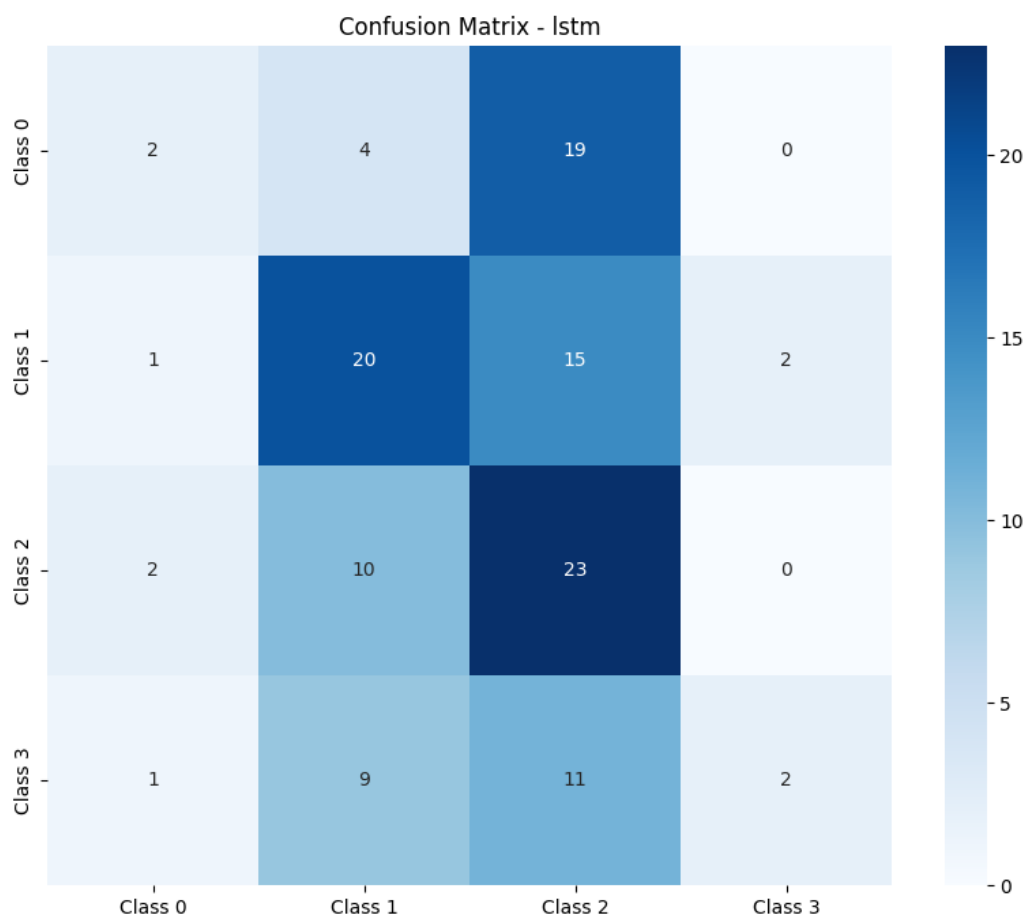


Figure 9

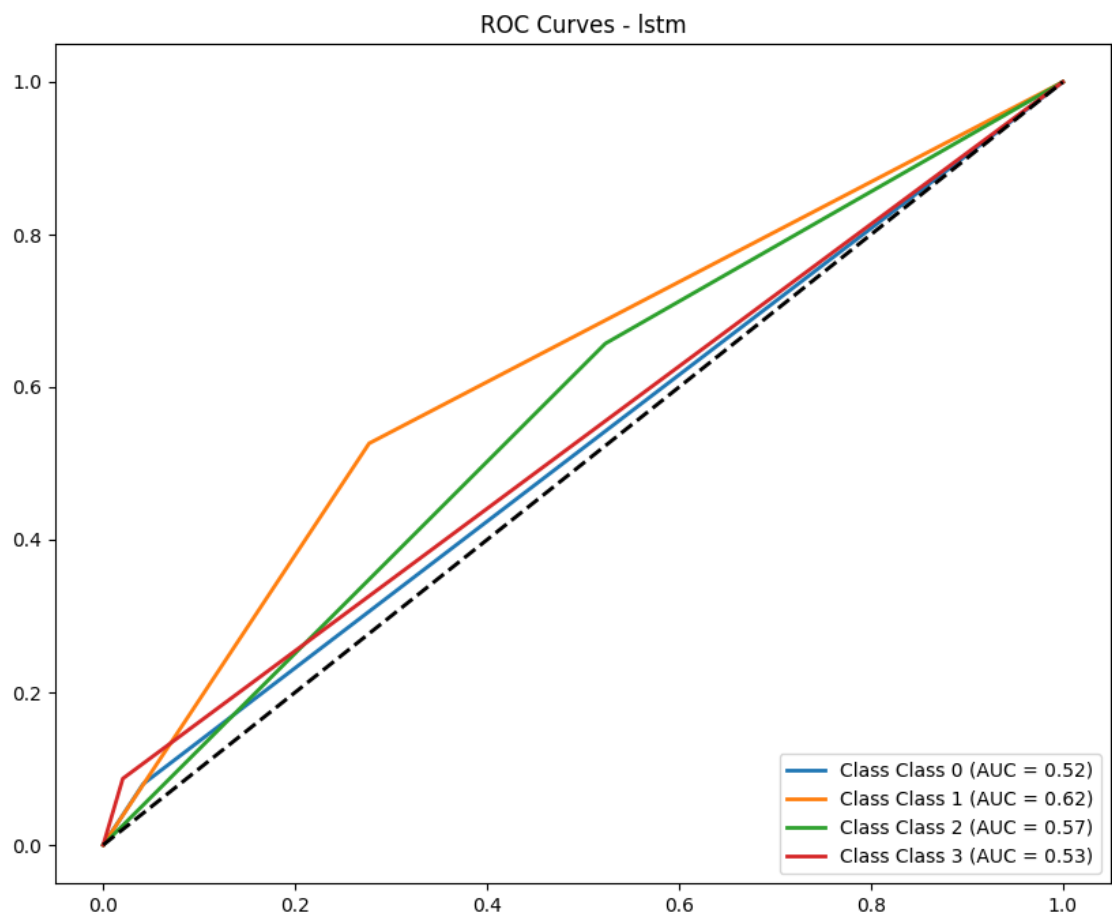


Figure 10

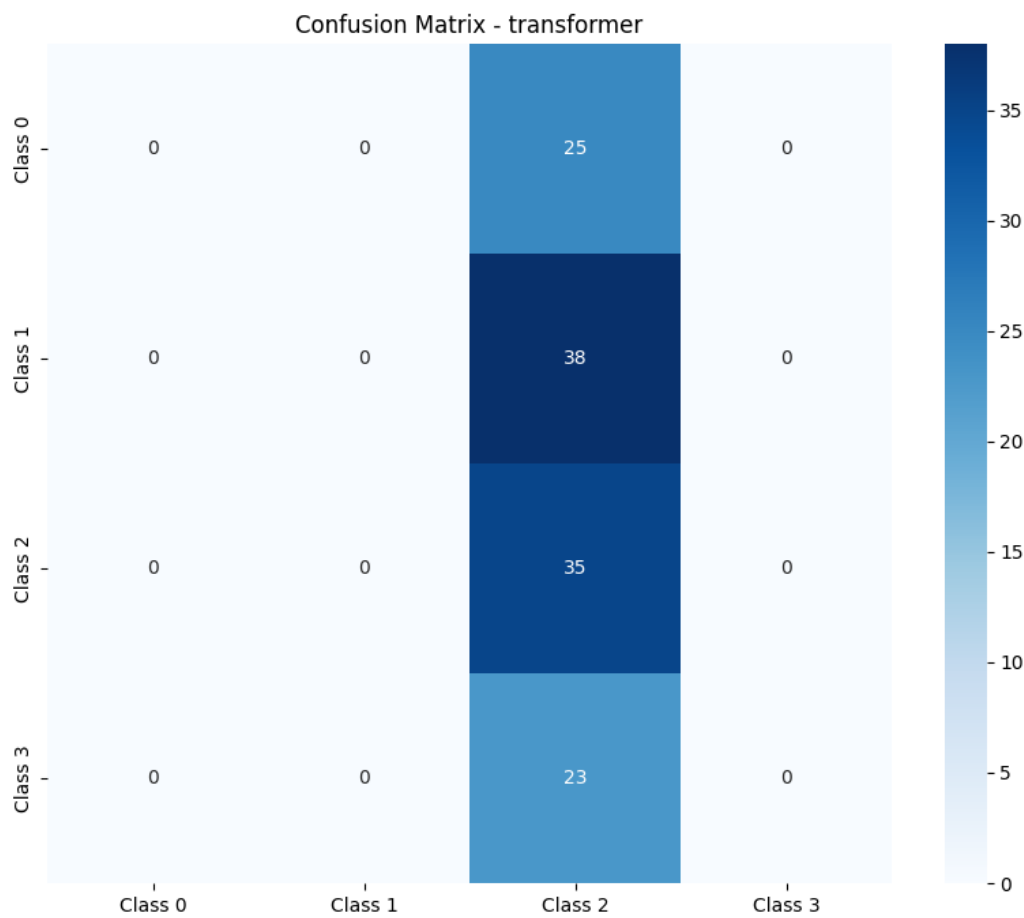


Figure 11

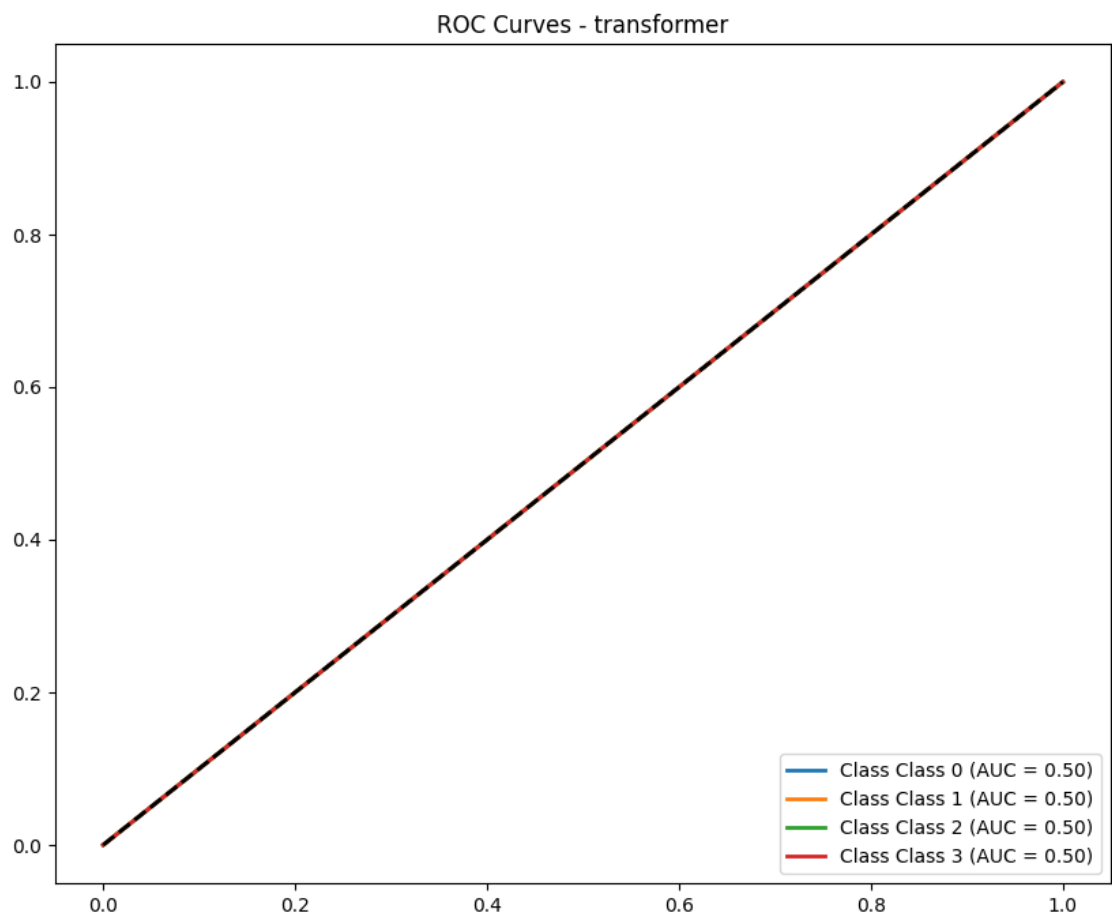


Figure 12

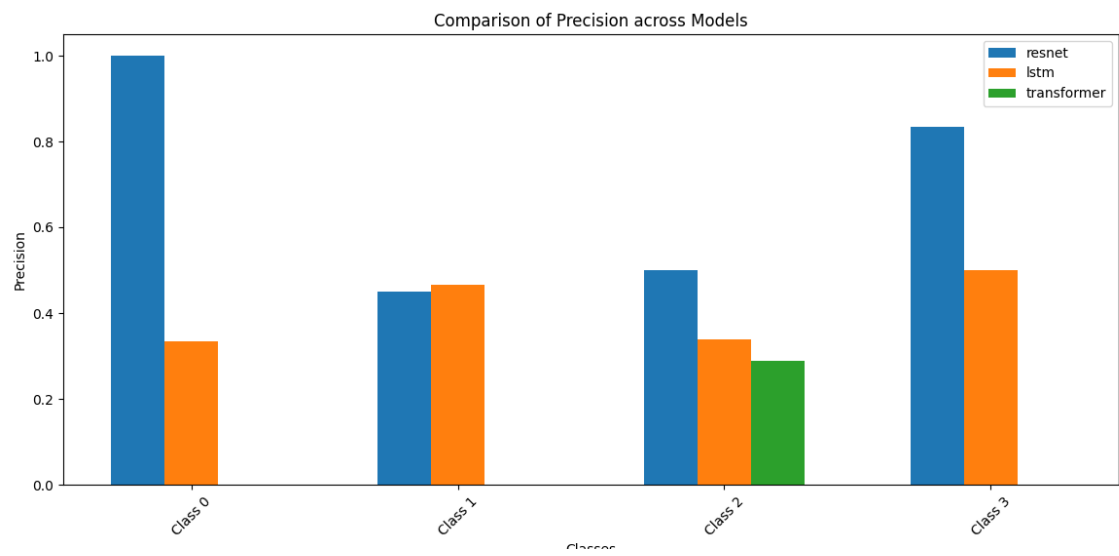


Figure 13

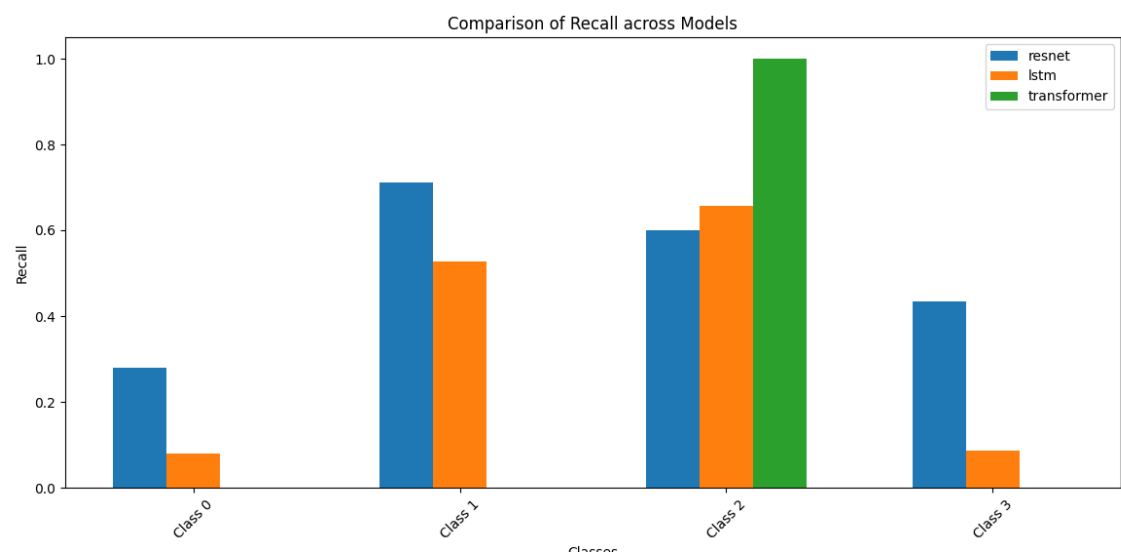




Figure 14

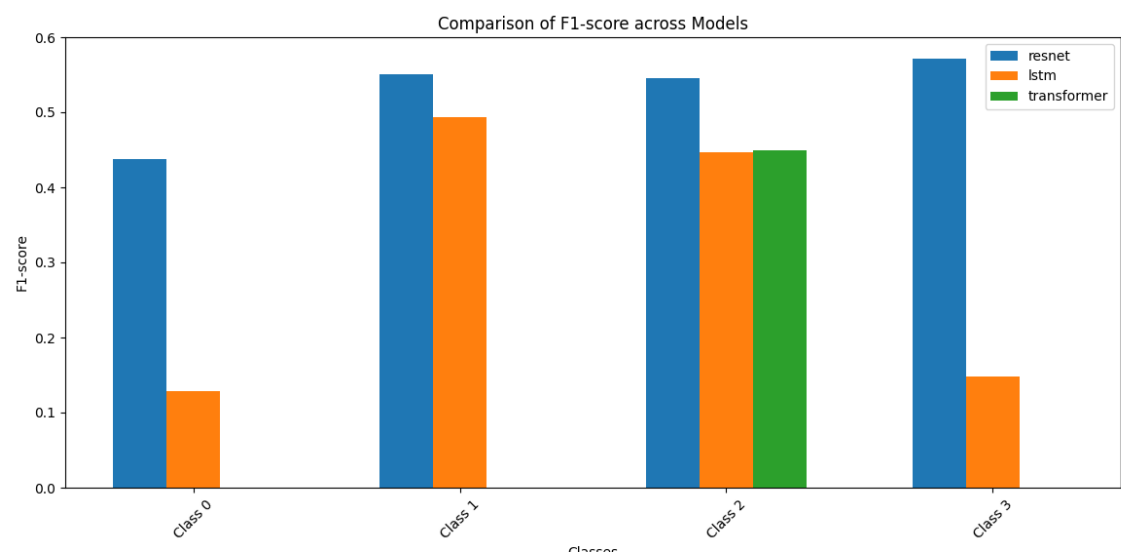


Figure 15

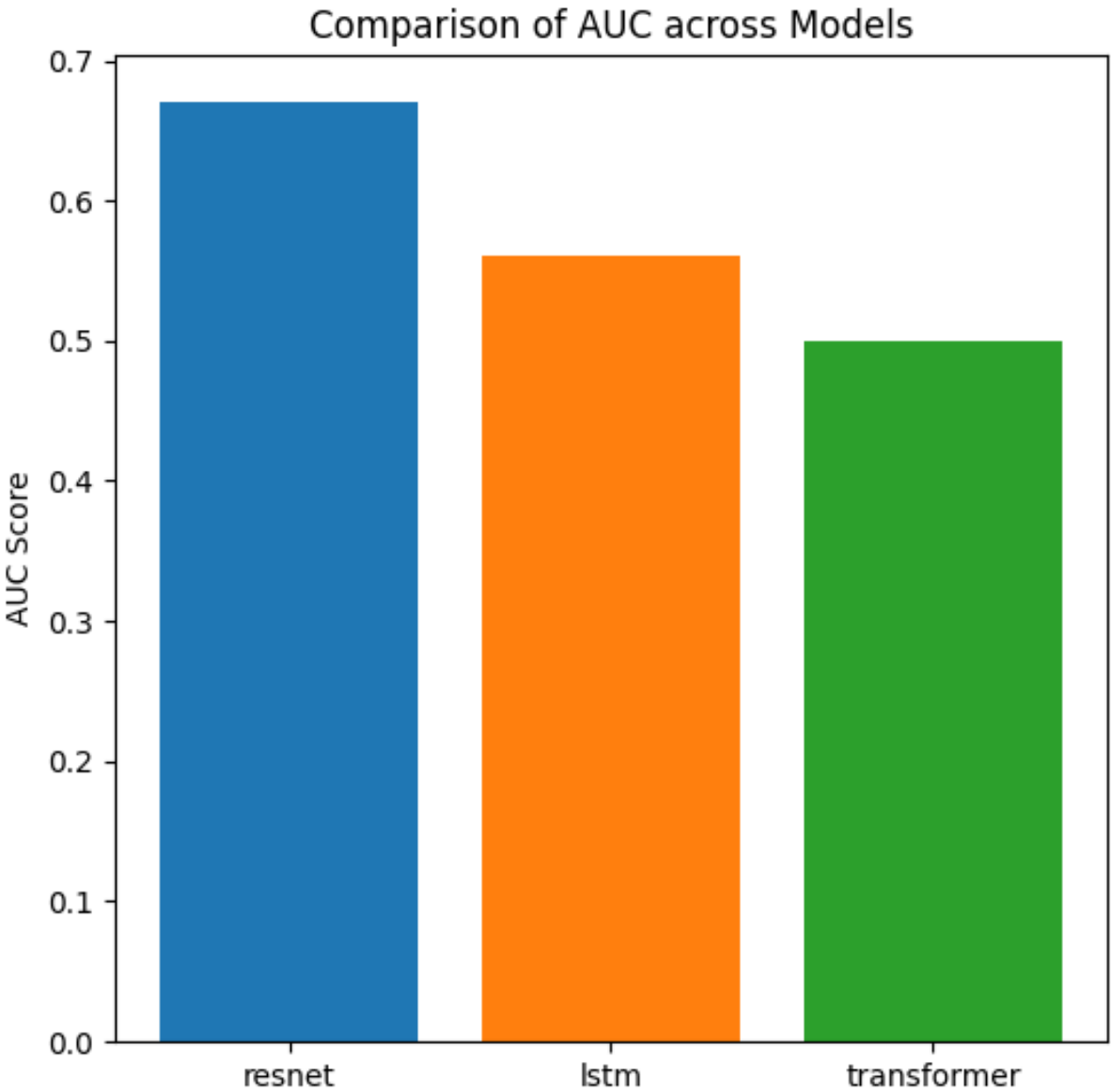


Figure 16

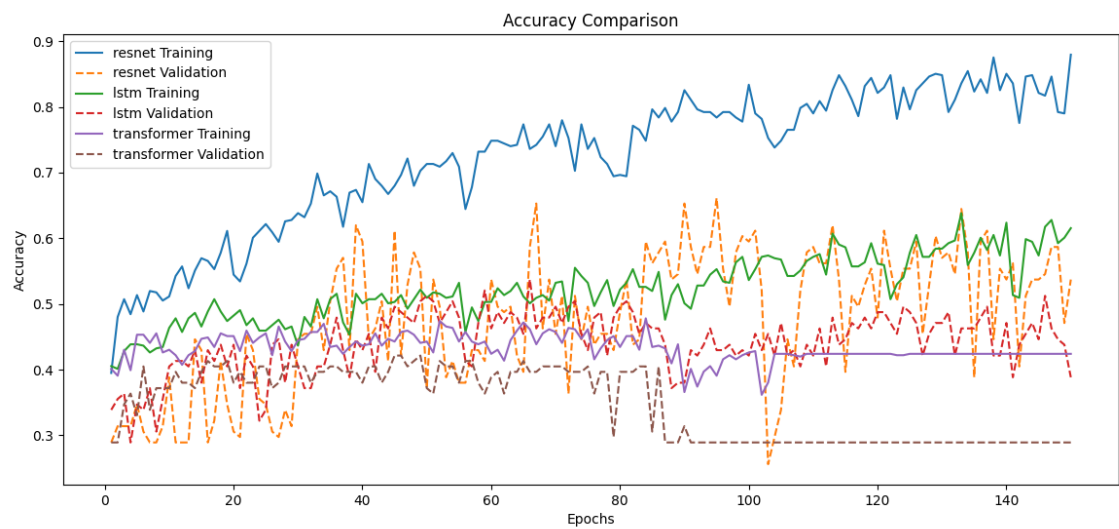


Figure 17

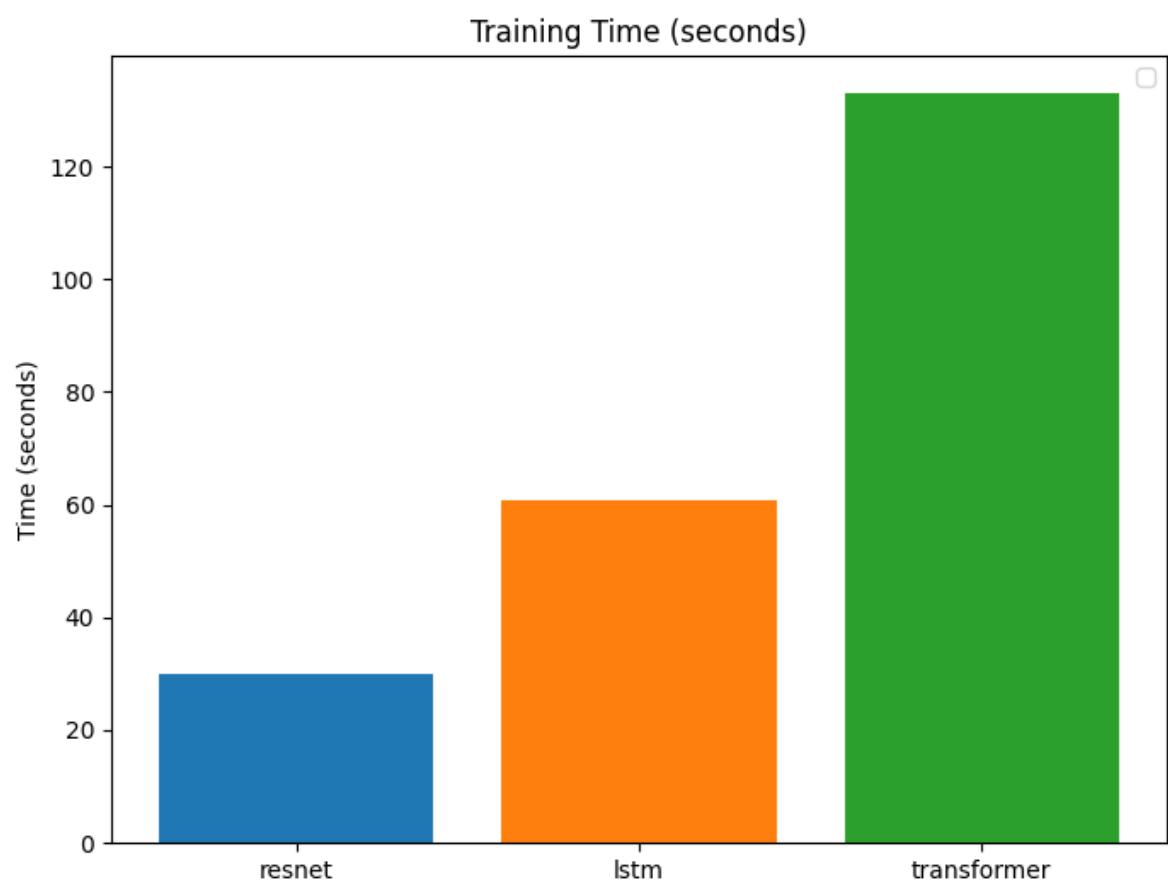


Figure 18

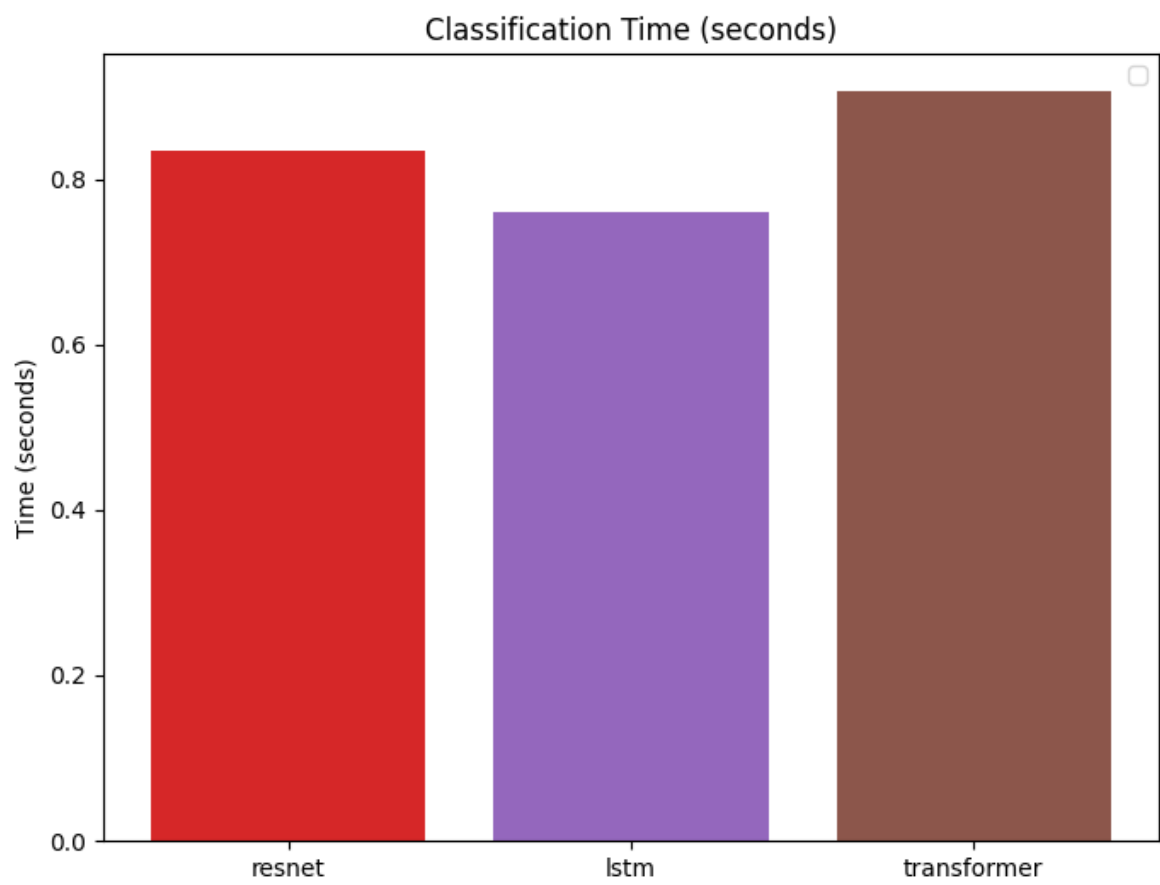


Figure 19

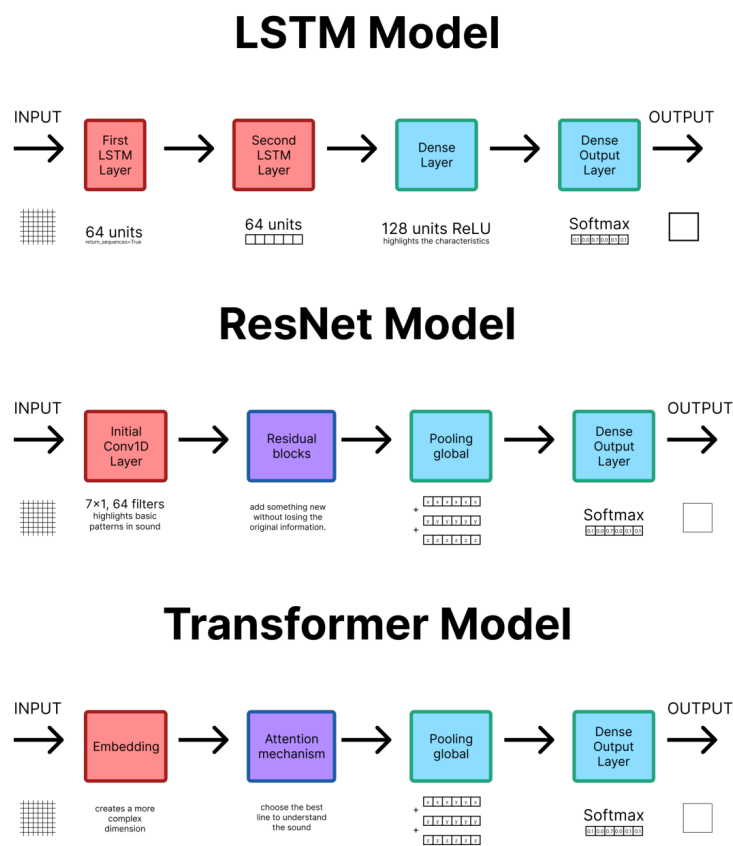


Figure 20

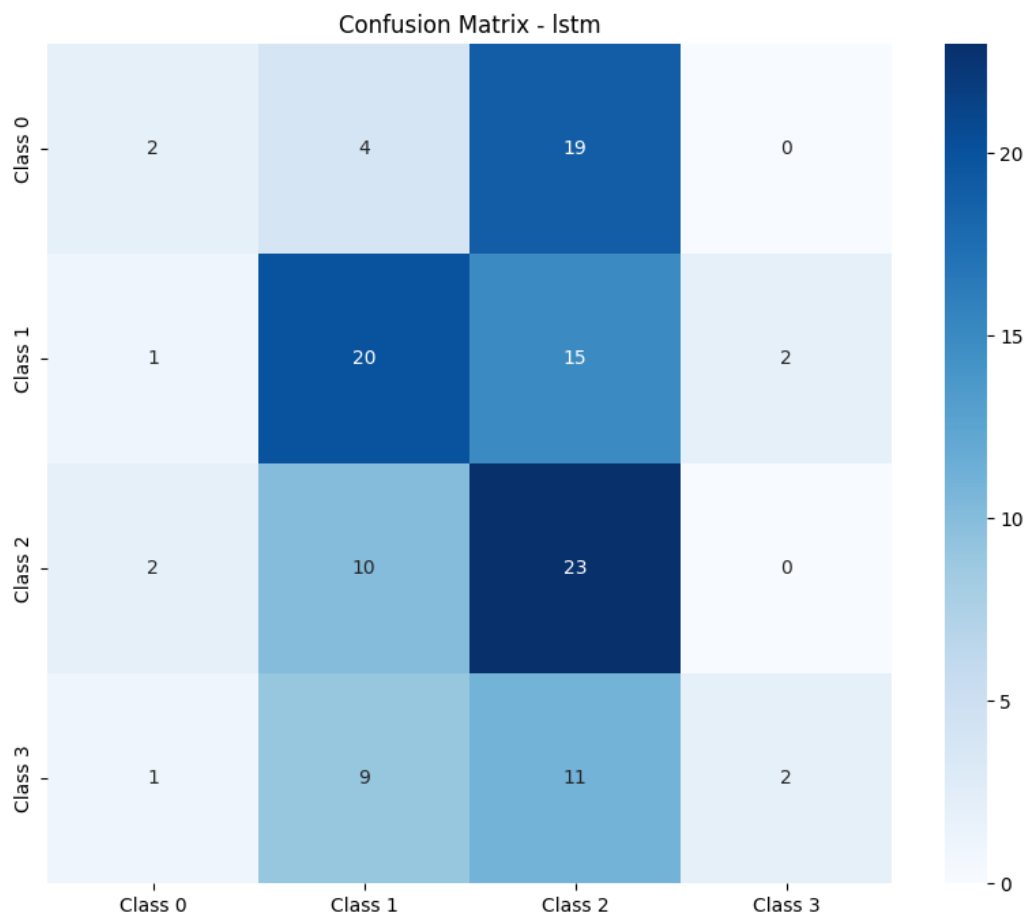


Figure 21

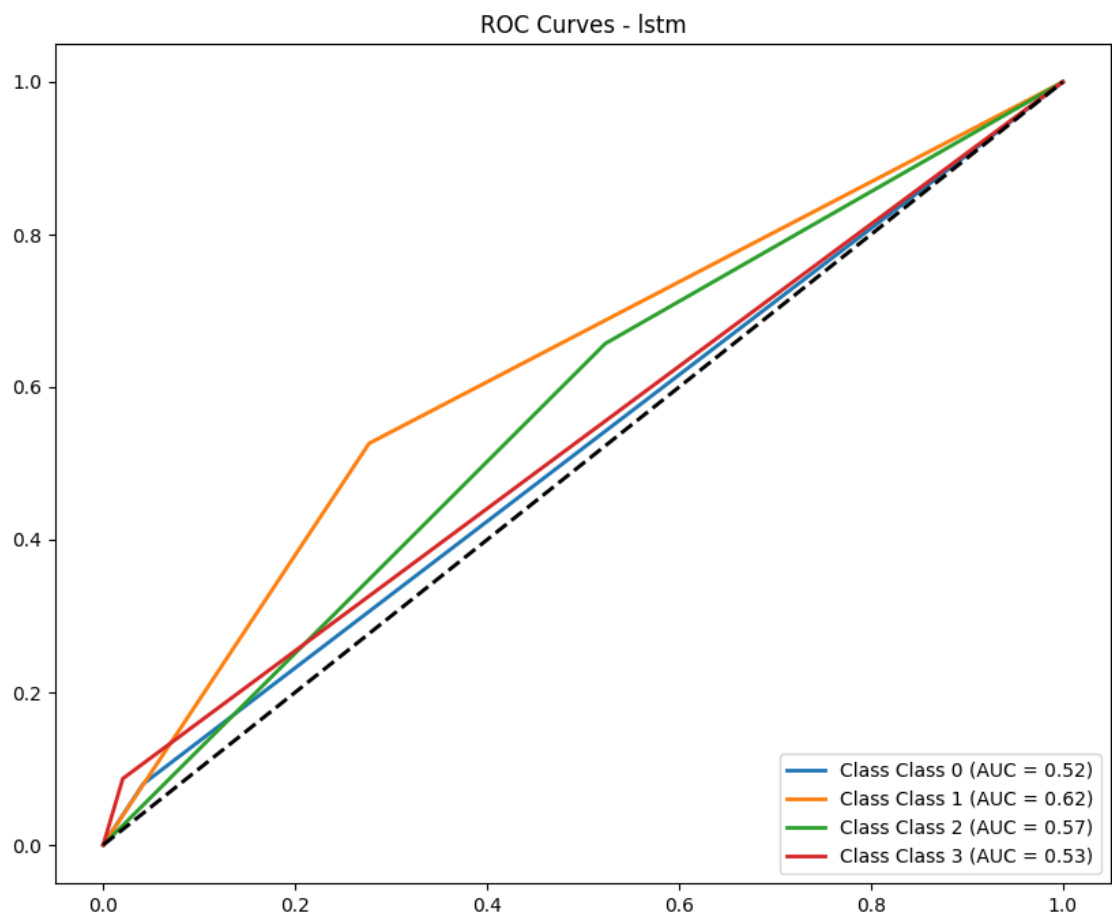




Figure 22

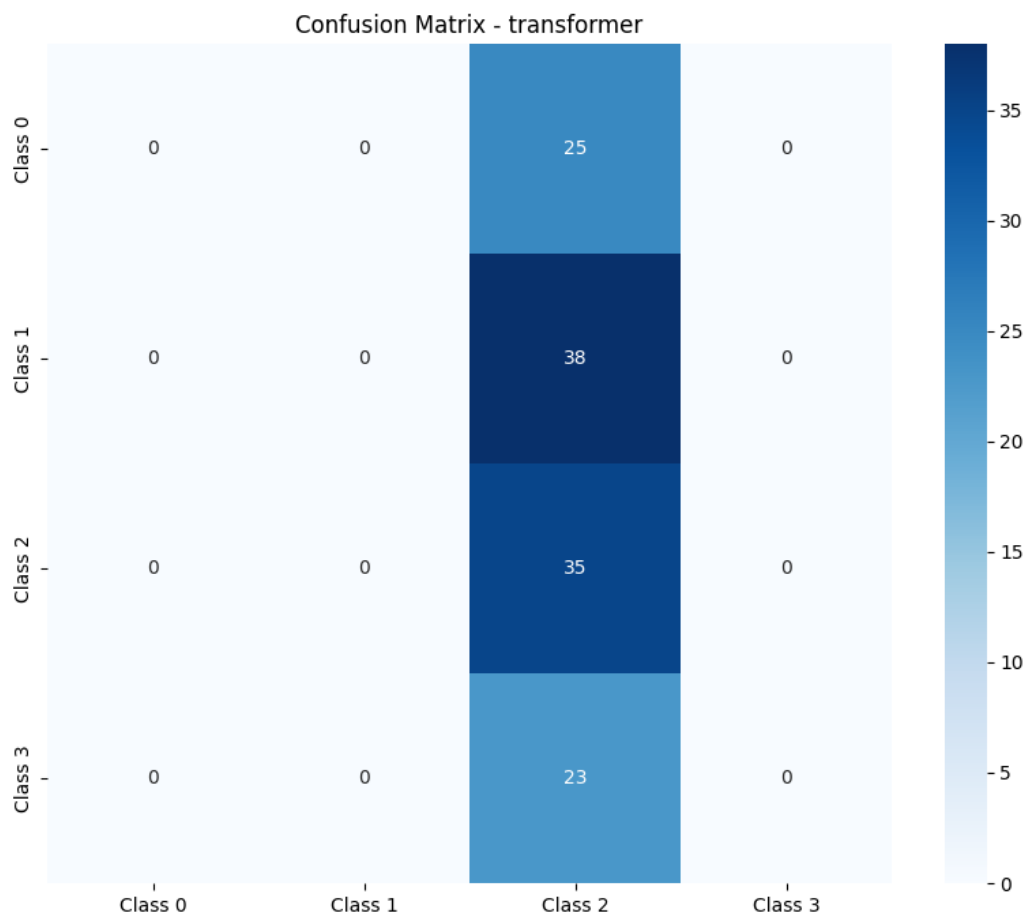


Figure 23

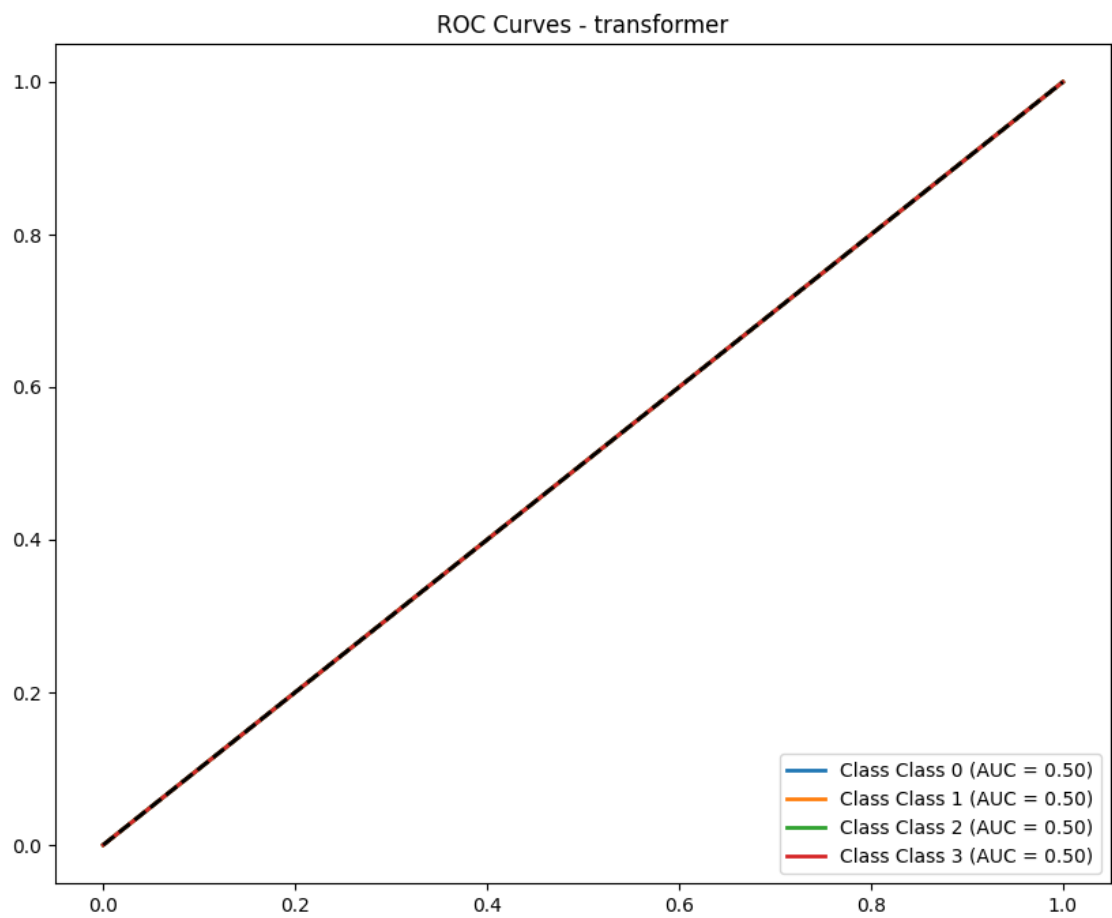


Figure 24

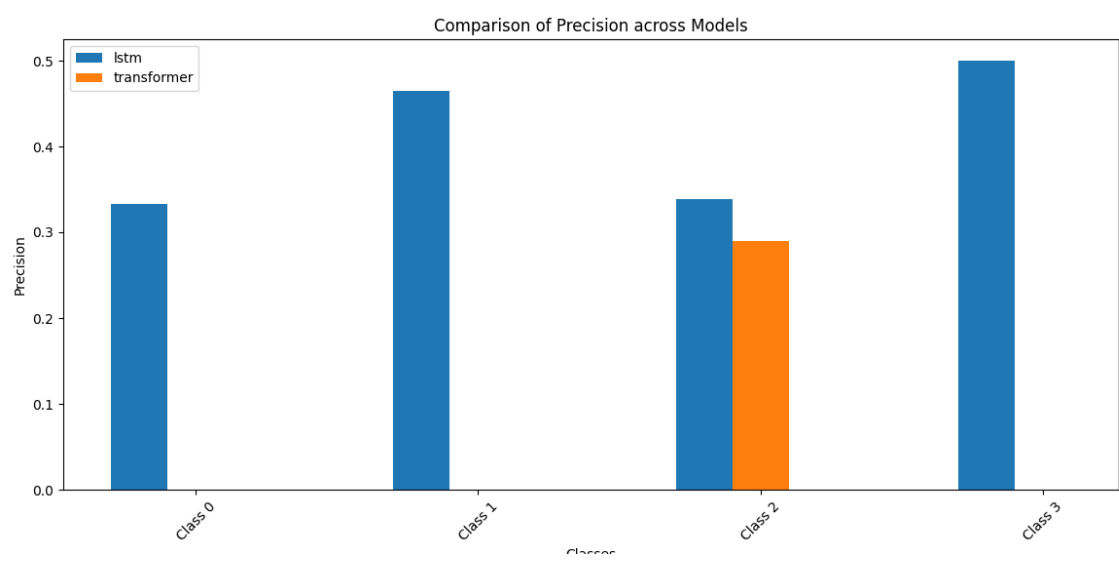


Figure 25

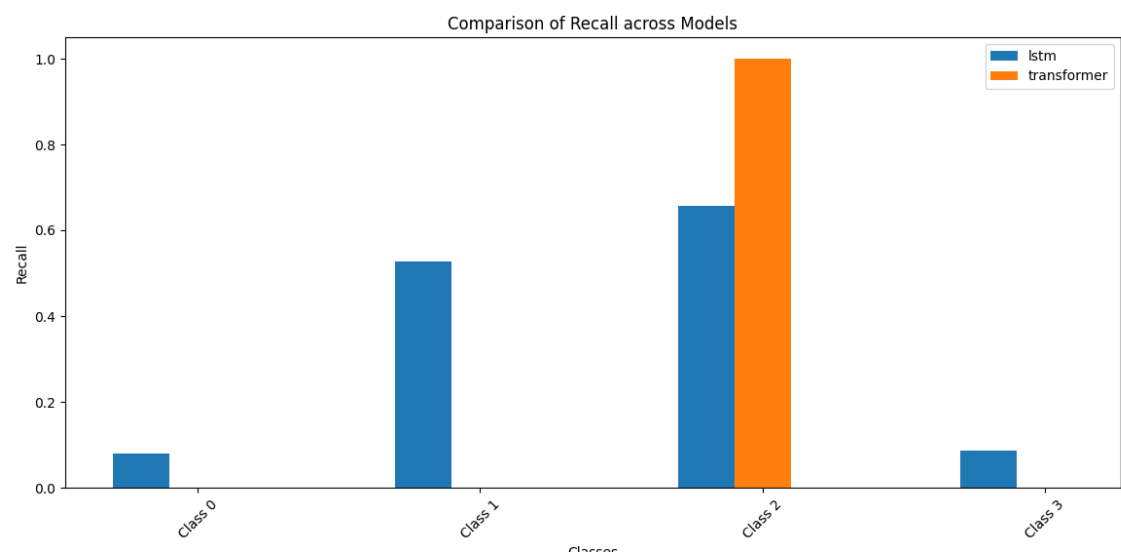


Figure 26

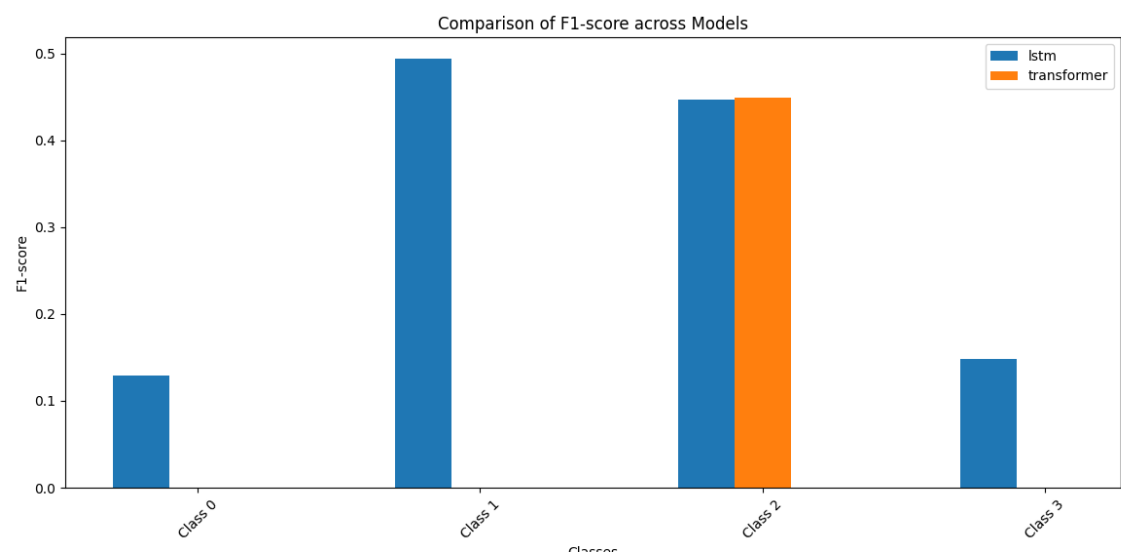


Figure 27

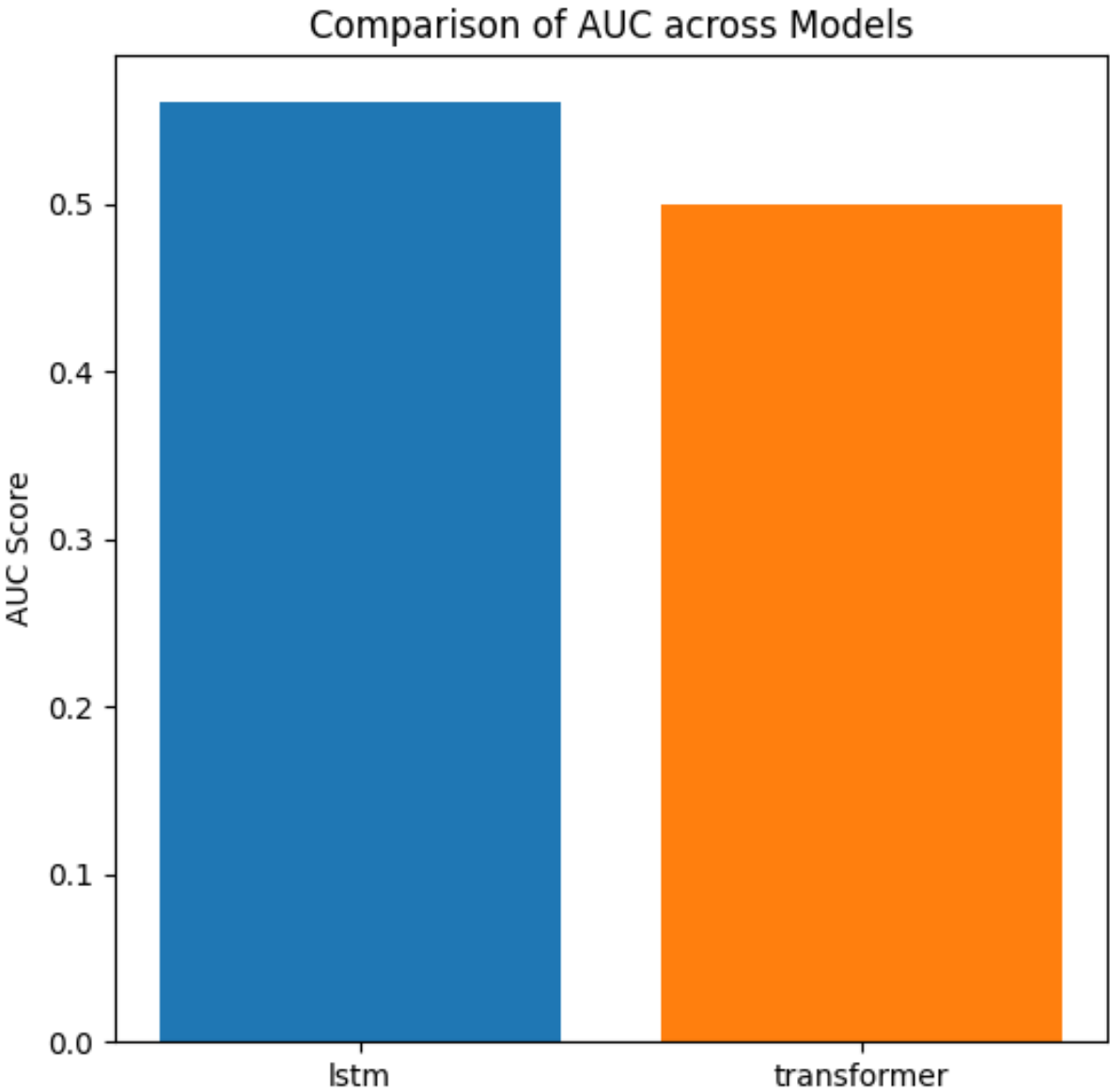


Figure 28

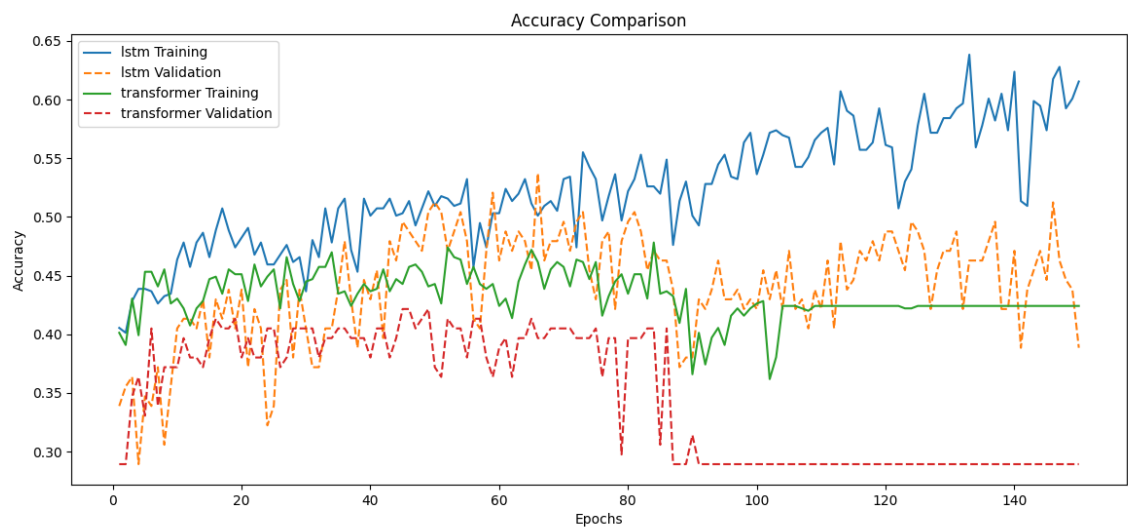


Figure 29

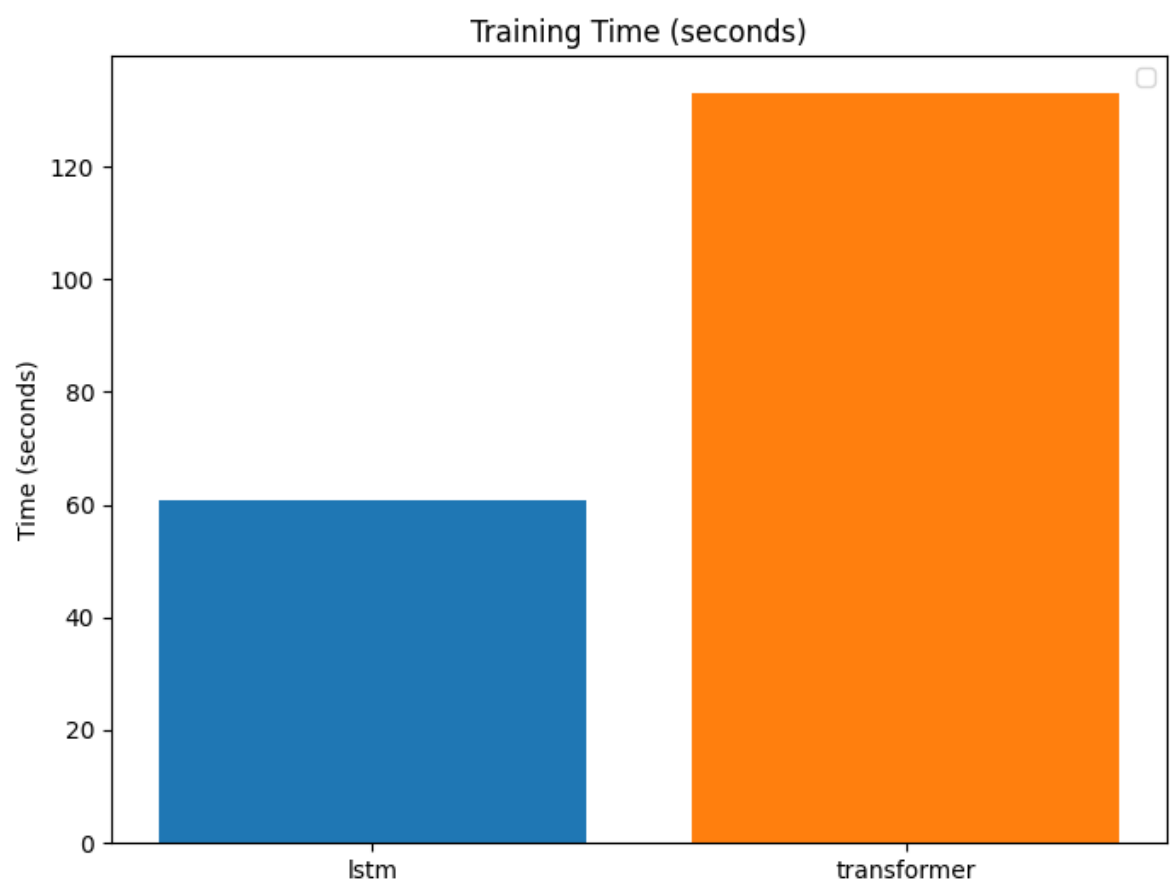




Figure 30

