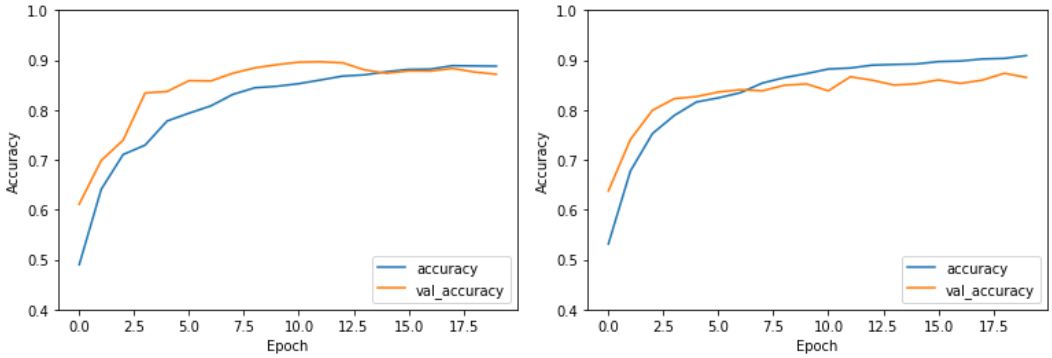
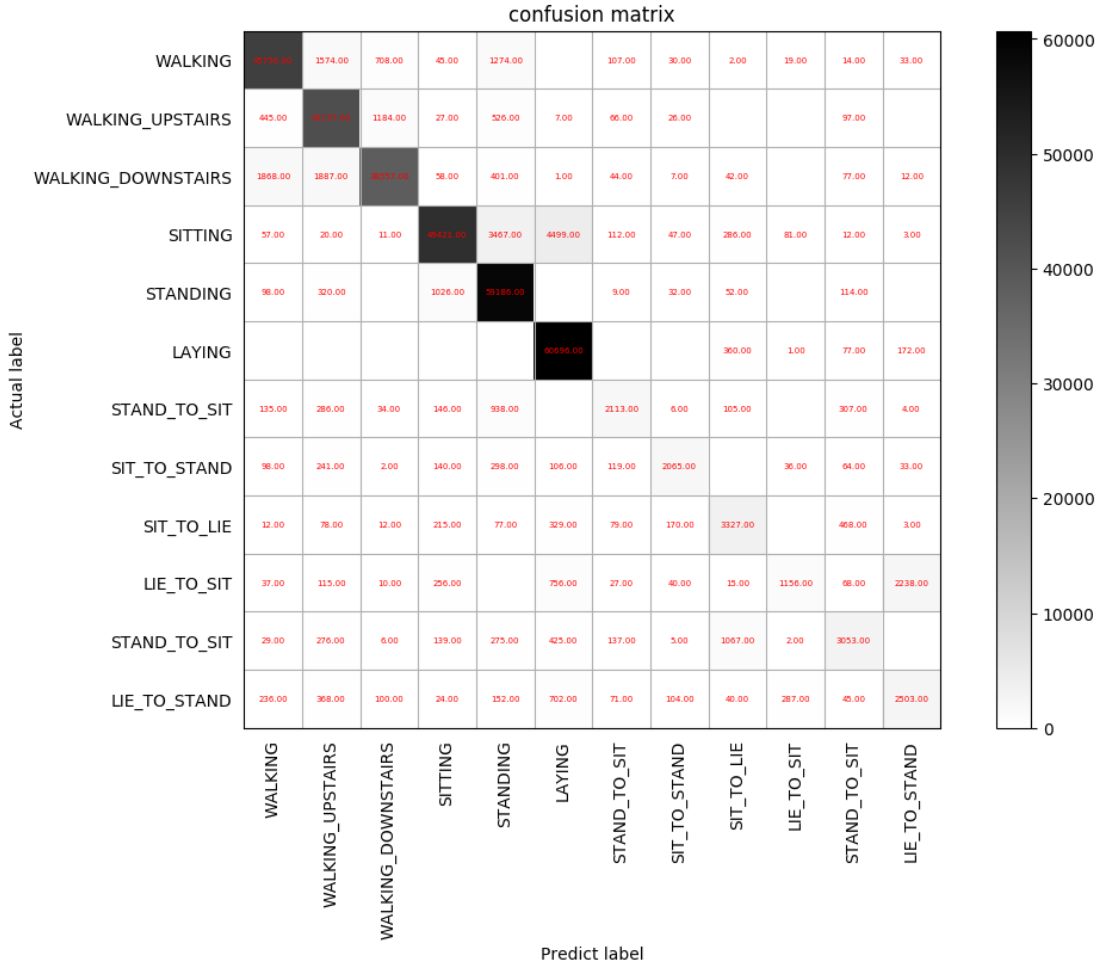
Curves of training and validation accuracy:



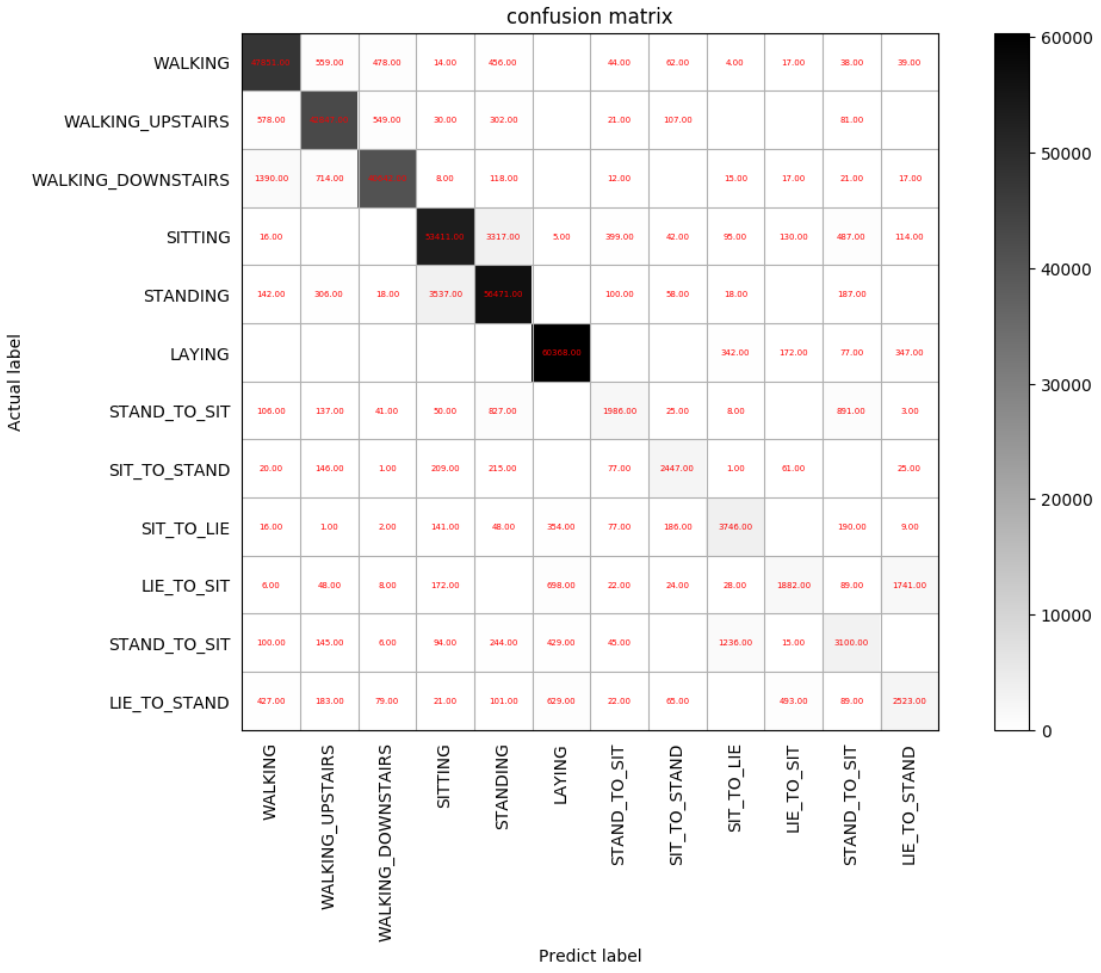
(a) Model containing 1 LSTM layer (b) Model containing 2 LSTM layers

Confusion matrix:

(a) Unbalanced dataset:



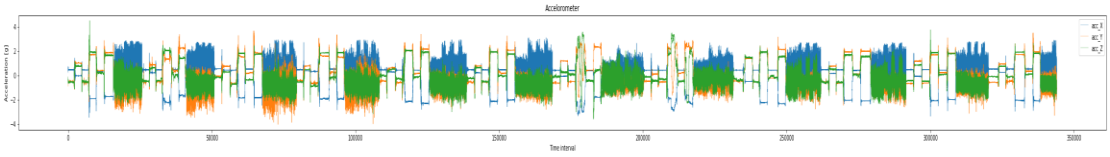
(b) Balanced dataset:



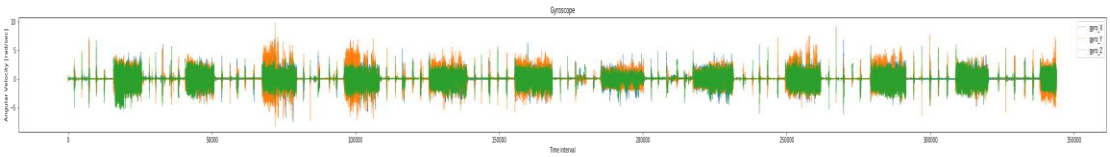
Visualization of test dataset:

The whole sequence of test dataset:

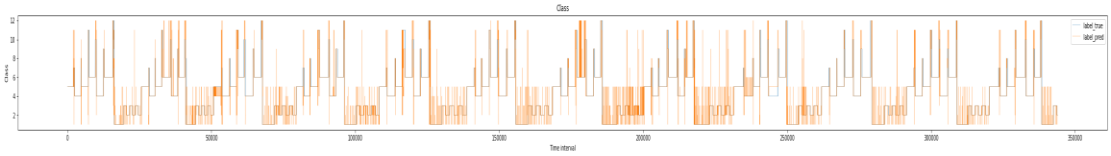
(a) Acceleration:



(b) Angular velocity:

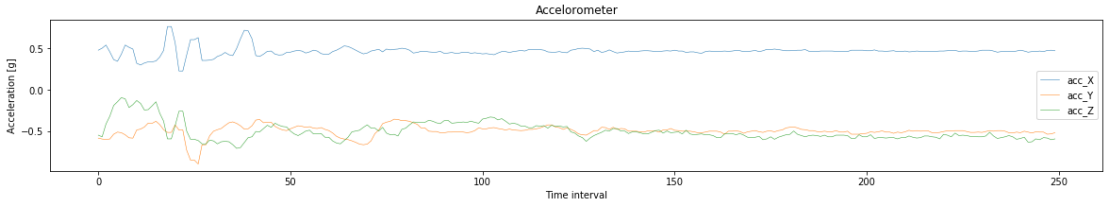


(c) True and predicted labels:

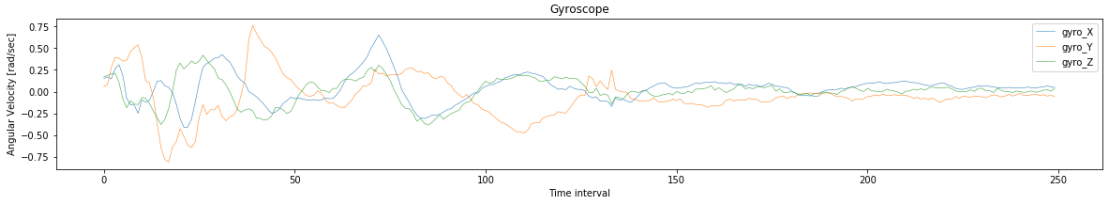
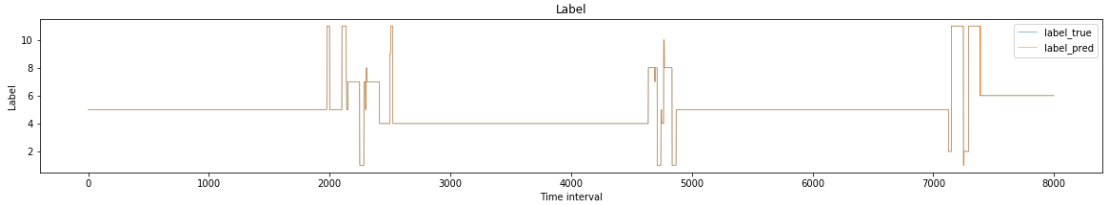


One sliding window of test dataset:

(a) Acceleration:



(b) Angular velocity:



(c) True and predicted labels: