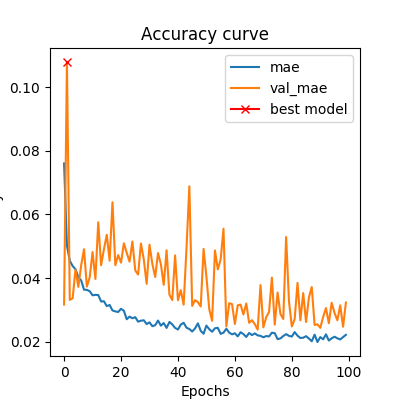
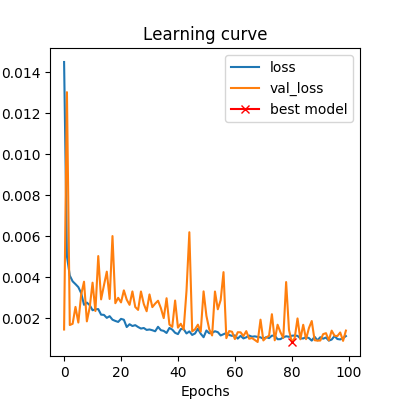
Task 1

Regression Problem – Prediction of Stock Price

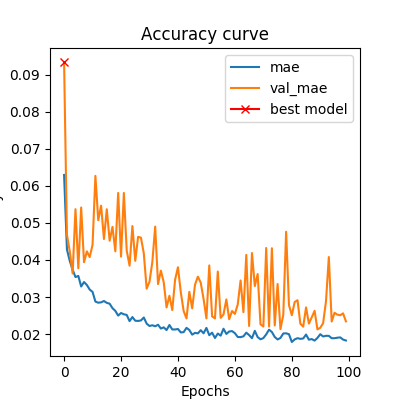
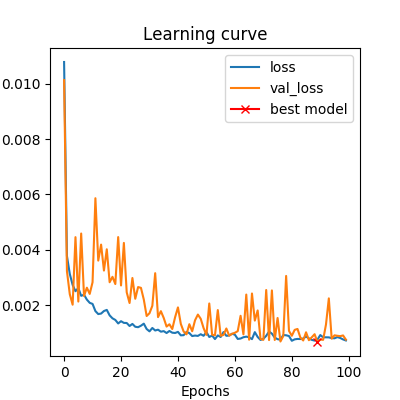
The model is preforming well. Validation MAE is 0.031

Mean Absolute Error Loss function -Mean squared error

Results after doubling the number of output units of LSTM layers

The performance of the model is a little better in this case.

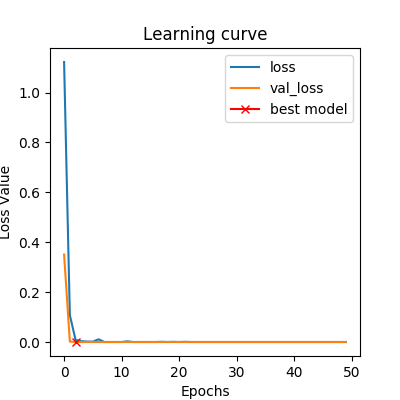
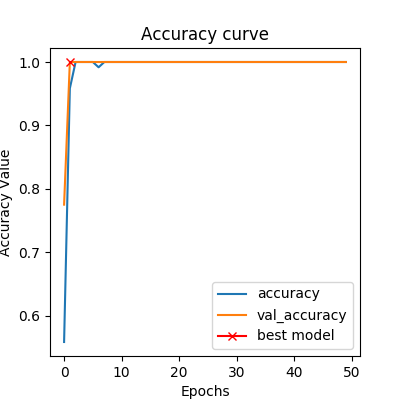
Mean Absolute Error Loss function -Mean squared error

Task 2

Evaluation Metric – Accuracy

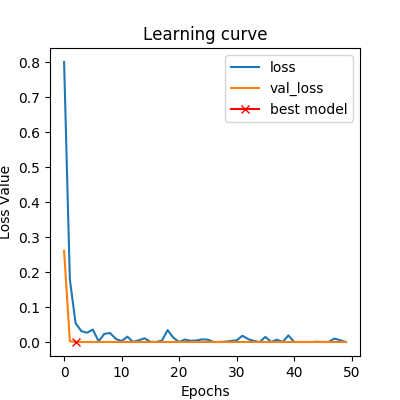
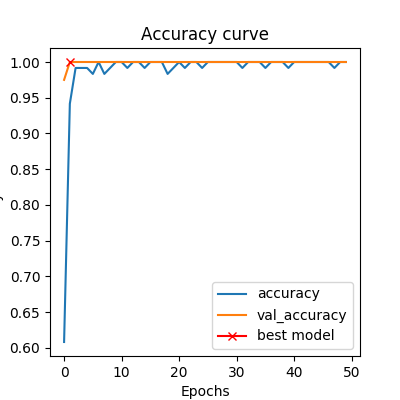
Loss Function – Binary Cross Entropy

The model is performing very well. Got an accuracy of 1.0 on the validation dataset.



Results after reducing the units to 5 from 10

The performance of the model is still very good with an accuracy of 1.0 on the validation dataset. Observed some fluctuations in the training curve as compared to model with base =10.



Task 3

