Fig.3.2.1.: LSTM Architecture

Fig. 3.3.1.: Bidirectional LSTM Architecture

Fig. 3.5.1.1.: Training and prediction

Fig. 4.2.1.: Close Price History of 10 Years

Fig. 4.5.2.1.: Various Moving Averages

Fig. 4.6.1.: RMSEs of Traditional Machine Learning Methods

Fig. 4.6.2.: RMSEs of Strictly Time Series Analysis Methods

Fig. 4.6.3.: RMSEs of Deep Learning and Neural Networks

Fig. 4.8.1.: RMSEs of Variants of LSTM

Fig. 4.8.2.: RMSEs of Variants of Bi-LSTM

Fig. 4.8.3: RMSEs of Variants of hybrid-LSTM with respect to LSTM, Bi-LSTM

Fig. 4.10.1.: Model accuracy graph

Fig. 4.10.2.: Model accuracy graph – detailed view

Fig. 4.10.3.: Prediction of the Closing Price of Next 30 Days

Fig. 4.11.1.1.: Home Page

Fig. 4.11.1.2.: Training Page

Fig. 4.11.1.3.: Prediction Page

Fig. 4.12.1.1.: Bollinger Bands

Fig. 4.12.1.2.: MACD (Moving Average Convergence Divergence)

Fig. 4.12.1.3.: RSI (Relative Strength Index)

Fig. 4.12.1.4.: Prediction Values

Fig. 4.12.1.5.: Prediction Graph

Fig. 4.14.1.: Home Tab (Light mode & Dark mode)

Fig. 4.14.2.: About Tab (Light mode)

Fig. 4.14.3.: Project Tab (Light mode)