AAPL Stock Price Prediction with Stacked LSTM

Enter stock ticker symbol

AAPL

Stock Data

Date	Open	High	Low	Close	Adj Close	Volume
2022-12-23 00:00:00	130.92	132.42	129.64	131.86	130.6314	63,814,900
2022-12-27 00:00:00	131.38	131.41	128.72	130.03	128.8184	69,007,800
2022-12-28 00:00:00	129.67	131.03	125.87	126.04	124.8656	85,438,400
2022-12-29 00:00:00	127.99	130.48	127.73	129.61	128.4023	75,703,700
2022-12-30 00:00:00	128.41	129.95	127.43	129.93	128.7193	77,034,200

Model Summary

Model: "sequential"

Layer (type)	Output Shape	Param
lstm (LSTM)	(None, 100, 128)	66,5
dropout (Dropout)	(None, 100, 128)	
lstm_1 (LSTM)	(None, 100, 128)	131,5
dropout_1 (Dropout)	(None, 100, 128)	
lstm_2 (LSTM)	(None, 128)	131,5
dropout_2 (Dropout)	(None, 128)	
dense (Dense)	(None, 1)	1

Total params: 989,573 (3.77 MB)
Trainable params: 329,857 (1.26 MB)
Non-trainable params: 0 (0.00 B)
Optimizer params: 659,716 (2.52 MB)

RMSE: 0.8552193070614056

MAE: 0.6476055900793766

20 and 100 Days Forecast

Predicted vs Actual Closing Prices