

Experiment Number	Parameters Chosen	Results
1.	LSTM: 50 layers, activation='relu', 1 Dense Layer, loss='mse', optimizer=adam	Train RMSE: 7.4025190789366695 Validation RMSE: 8.295613356909678
2.	CNN-LSTM: Conv (filters=64, kernel size=1, activation='relu') MaxPooling size=2 50 layers 1 Dense layer loss='mse'	Train RMSE: 7.794112578382691 Validation RMSE: 8.442610812691647
3.	ARIMA: split_ratio=0.8, P = 20 Q = 13	RMSE of AR model: 8.018543657152549 (relative err: 304.2856537303157). RMSE of MA model: 7.84452225869154 (relative err: 46.399322218685526).
4.	SARIMA: order = (1, 1, 1) seasonal_order = (1, 1, 1, 12) Split : 0.8	RMSE: 16.446498636328744