Parameter Configuration.

```
epochs=5
batch_size=32
SEED = 42
Dropout(0.2)
optimizer='adam'
loss='mse'
patience=3
RMSE (Root Mean Squared Error)
MAE (Mean Absolute Error)
```

Model: "sequential_3"

Layer (type)	Output Shape	Param #
lstm_6 (LSTM)	(None, 150, 50)	10,400
dropout_6 (Dropout)	(None, 150, 50)	0
lstm_7 (LSTM)	(None, 50)	20,200
dropout_7 (Dropout)	(None, 50)	0
dense_3 (Dense)	(None, 1)	51

Total params: 30,651 (119.73 KB)
Trainable params: 30,651 (119.73 KB)
Non-trainable params: 0 (0.00 B)

```
1399/1399
                                              50s 36ms/step - loss:
1399/1399
                                              77s 32ms/step - loss:
1399/1399
                                              83s 33ms/step - loss:
                                              46s 33ms/step - loss:
1399/1399
1399/1399
                                              82s 33ms/step - loss:
1399/1399
                                              13s 9ms/step - loss:
466/466
                                           5s 11ms/step - loss:
MSE Test: 0.00014781307254452258
466/466 -
                                            4s 9ms/step - loss:
1.0363e-04
```

```
1398/1398
                                             19s 13ms/step - loss:
7.9883e-05
MSE Train: 9.779164975043386e-05
465/465
                                           7s 15ms/step - loss:
465/465
                                           6s 13ms/step - loss:
MSE Val: 0.00022543544764630497
```

```
1395/1395
                                             194s 136ms/step - loss:
0.0086 - val loss: 2.3285e-04
                                             202s 137ms/step - loss:
1395/1395
1395/1395
                                             204s 138ms/step - loss:
                                             199s 136ms/step - loss:
1395/1395
1395/1395
                                             202s 136ms/step - loss:
                                             51s 37ms/step - loss:
1395/1395 -
5.9647e-05
MSE Train: 0.00010474619193701074
462/462
                                           17s 36ms/step - loss:
3.6146e-04
462/462
                                           17s 36ms/step - loss:
```

```
1394/1394
                                             278s 197ms/step - loss:
0.0130 - val loss: 1.8483e-04
1394/1394
                                             341s 211ms/step - loss:
1394/1394
                                             314s 205ms/step - loss:
1394/1394
                                             289s 207ms/step - loss:
1394/1394
                                             85s 61ms/step - loss:
1.7760e-04
461/461 -
                                           26s 57ms/step - loss:
MSE Test: 0.00021861291315872222
461/461
                                           26s 57ms/step - loss:
```

Test Set RMSE (Original Scale): 0.001234 EURUSD
Test Set MAE (Original Scale): 0.000947 EURUSD
Validation Set RMSE (Original Scale): 0.001101 EURUSD
Validation Set MAE (Original Scale): 0.000811 EURUSD
Training Set RMSE (Original Scale): 0.001118 EURUSD
Training Set MAE (Original Scale): 0.000997 EURUSD

```
1391/1391
                                             400s 285ms/step - loss:
0.0089 - val loss: 1.6362e-04
1391/1391
                                             444s 286ms/step - loss:
1391/1391
                                             446s 289ms/step - loss:
1391/1391
                                             434s 283ms/step - loss:
1391/1391
                                             446s 286ms/step - loss:
1391/1391 -
                                             103s 74ms/step - loss:
MSE Train: 5.975351086817682e-05
458/458
                                           33s 72ms/step - loss:
458/458 -
                                           35s 76ms/step - loss:
```

Test Set RMSE (Original Scale): 0.000923 EURUSD
Test Set MAE (Original Scale): 0.000656 EURUSD
Validation Set RMSE (Original Scale): 0.000865 EURUSD
Validation Set MAE (Original Scale): 0.000561 EURUSD
Training Set RMSE (Original Scale): 0.000645 EURUSD
Training Set MAE (Original Scale): 0.000513 EURUSD