

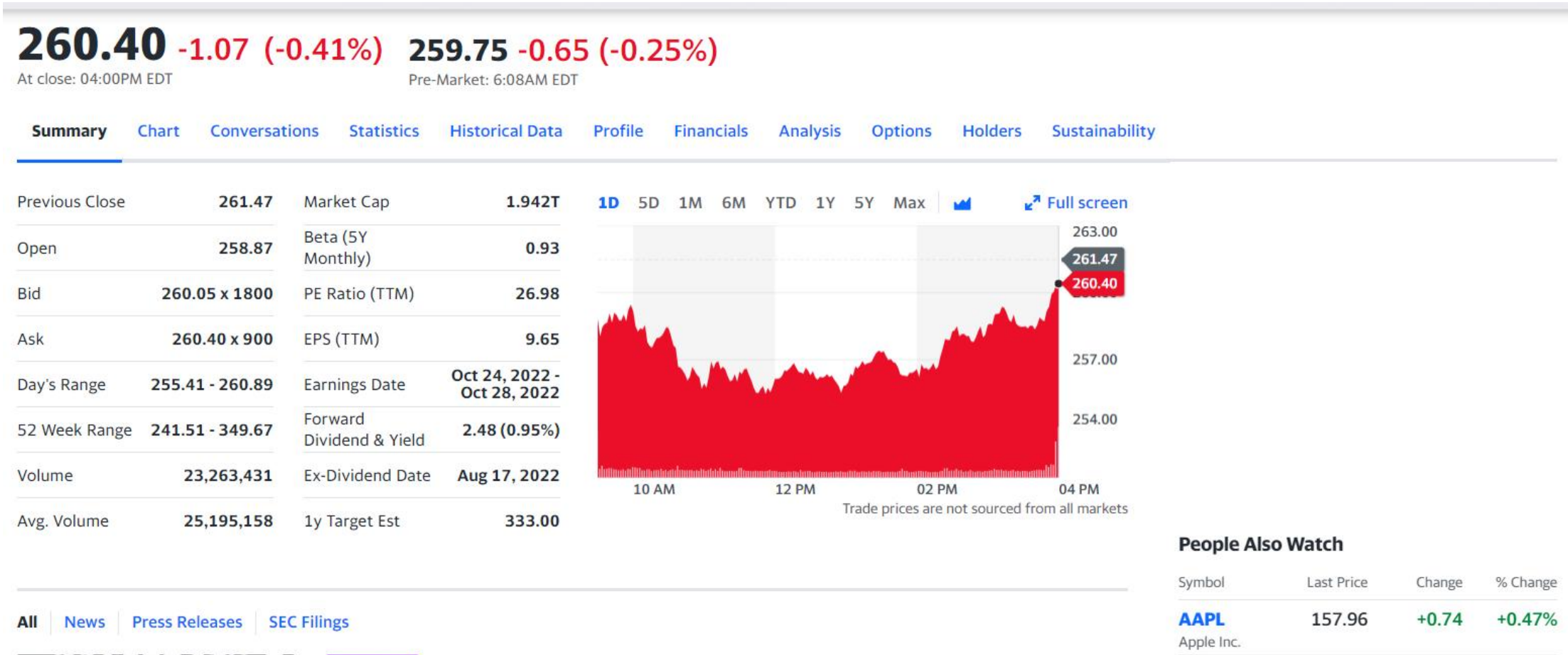
A Practical Approach to Timeseries Forecasting using Python

- Project 2: Microsoft Corporation Stock Prediction using RNNs
- Data Analysis
- Stationarity Check
- Deployment of LSTM, Stacked LSTM, BiLSTM and Stacked BiLSTM
- Performance Comparison

Shahzaib Hamid
AI Sciences Instructor

Data Overview

- Microsoft Corporation Stocks Dataset



Project Flow

- Step 1: Import Dataset
- Step 2: Perform Data Analysis
- Step 3: Perform Data Visualization
- Step 4: Compute and Visualize Autocorrelation, Mean, and Standard Deviation
- Step 5: Stationarity Check
- Step 6: Implementation LSTM
- Step 7: Implementation Stacked LSTM
- Step 8: Implementation of BiLSTM
- Step 9: Implementation of Stacked BiLSTM
- Step 7: Performance Comparison