Time Series Analysis (TSA) - Group-05 - Project Links with Streamlit Application Results

Github Repository Link → _https://github.com/GeetikaVijay/capital_market_analysis_
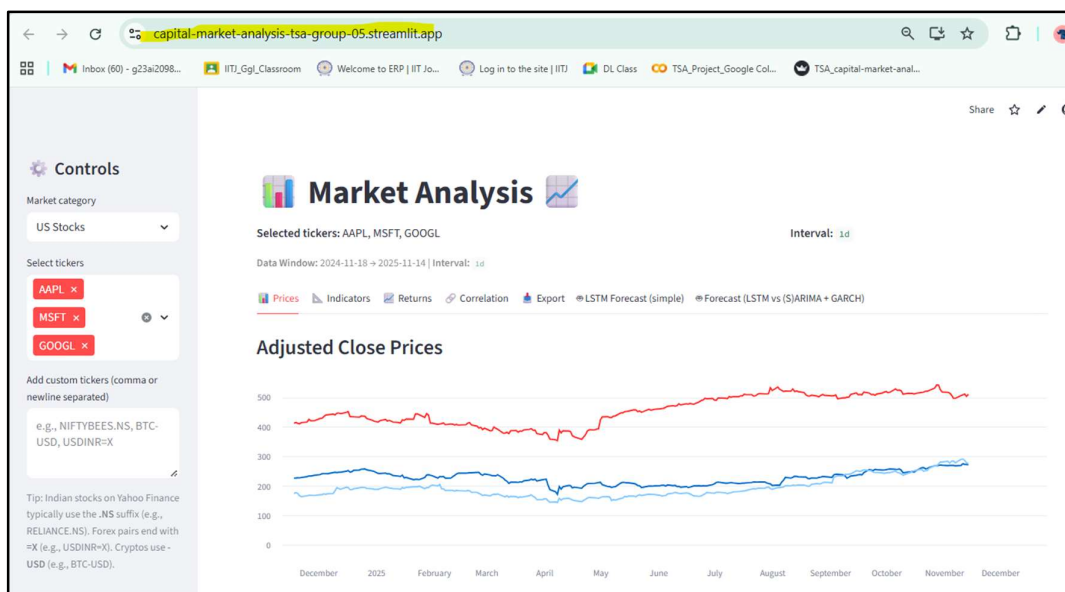
Google Colab (.ipynb File) →
https://colab.research.google.com/drive/1LET5tjs4QkEOSbZ23FDkshUC4ghaFX8p

Application URL Link → _https://capital-market-analysis-tsa-group-05.streamlit.app/_

Data Set → _Downloaded from "Yahoo Finance". Python code dataset extraction available in google colab file._

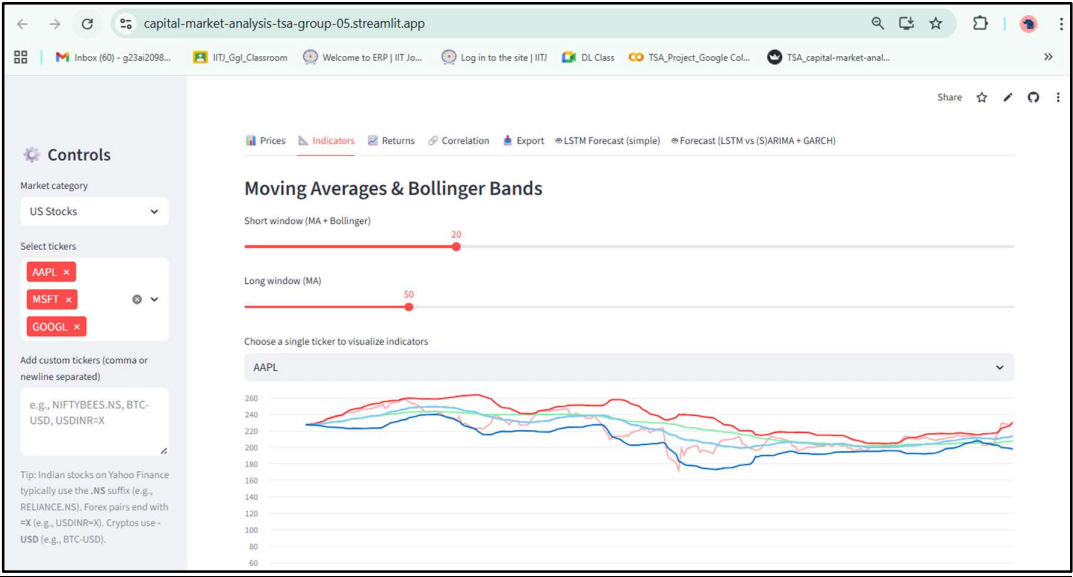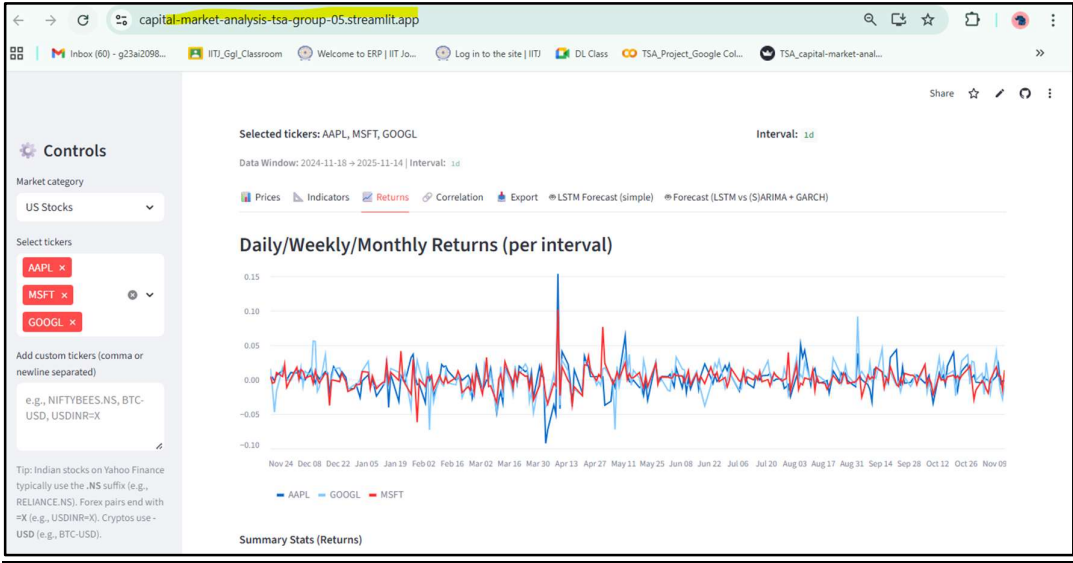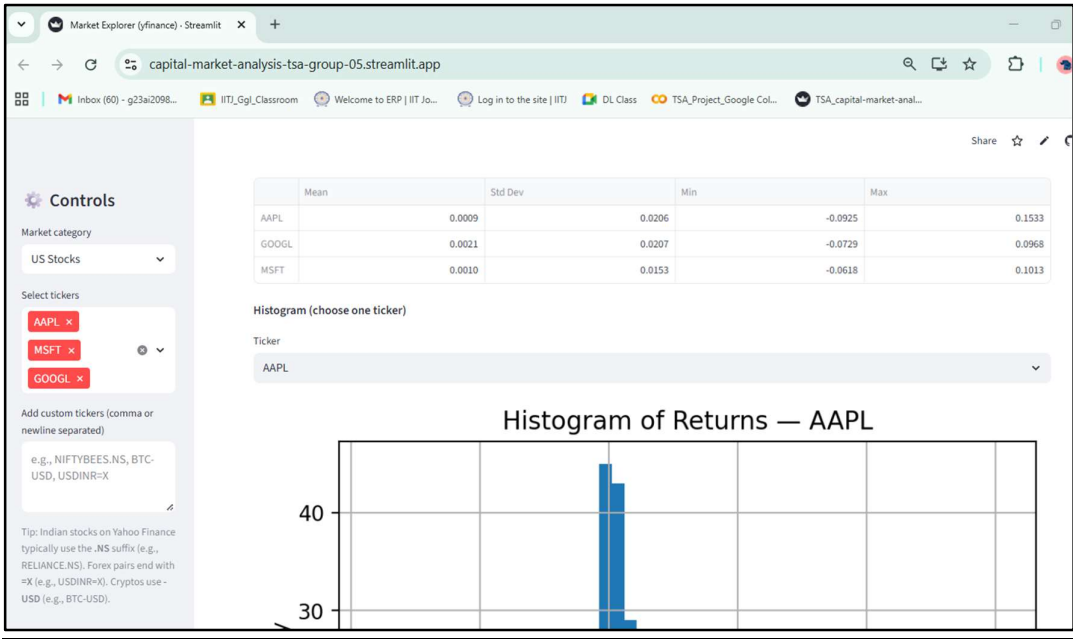## _Streamlit application Screen Shots_

Dashboard:

Prices:
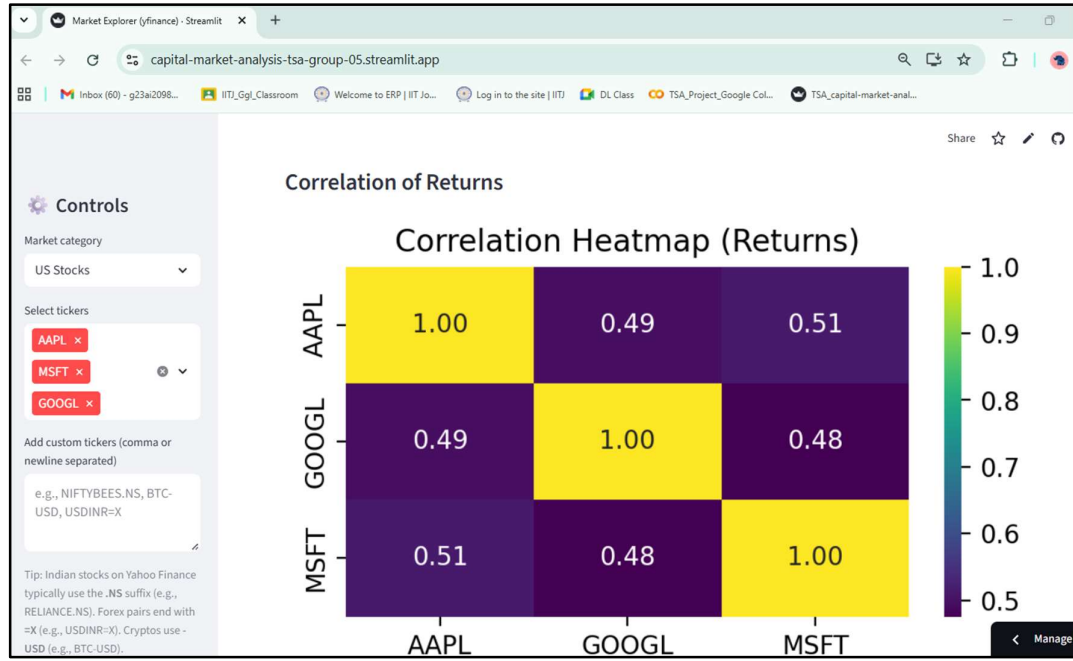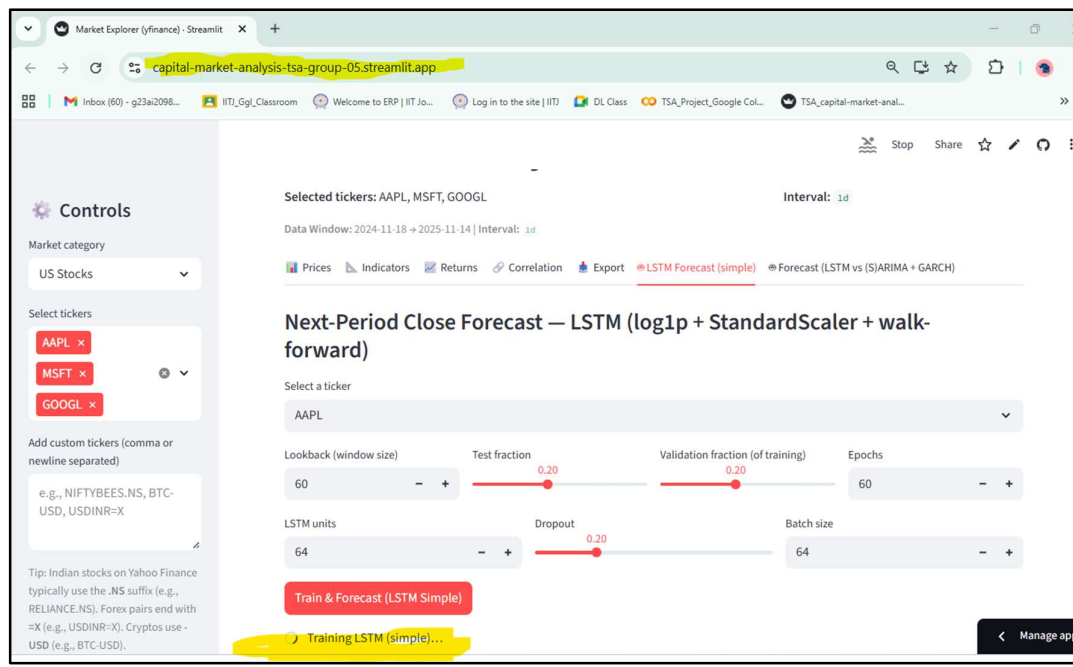
Volume:

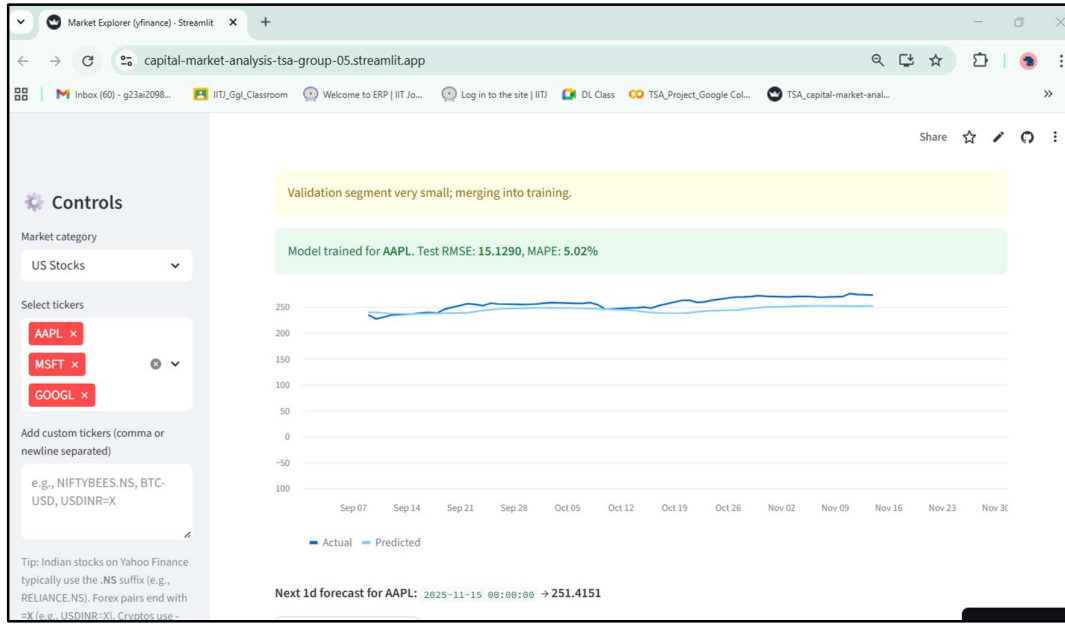## Indicators:

Returns:

Summary & Histograms:
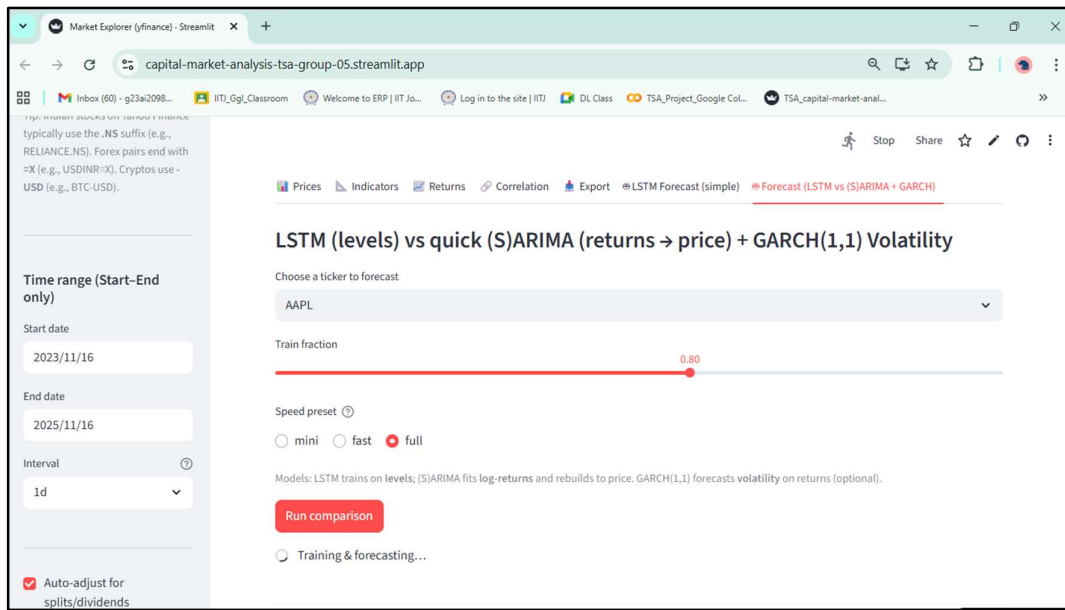
Correlation Heatmap (Returns):

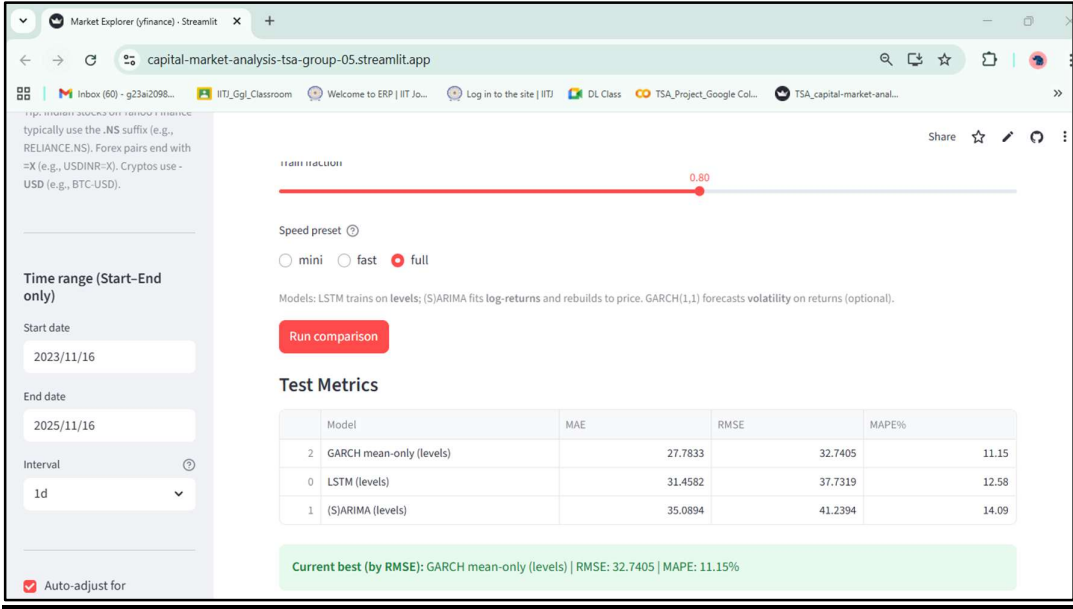# *LSTM Model Training & Forecasting In Progress:*
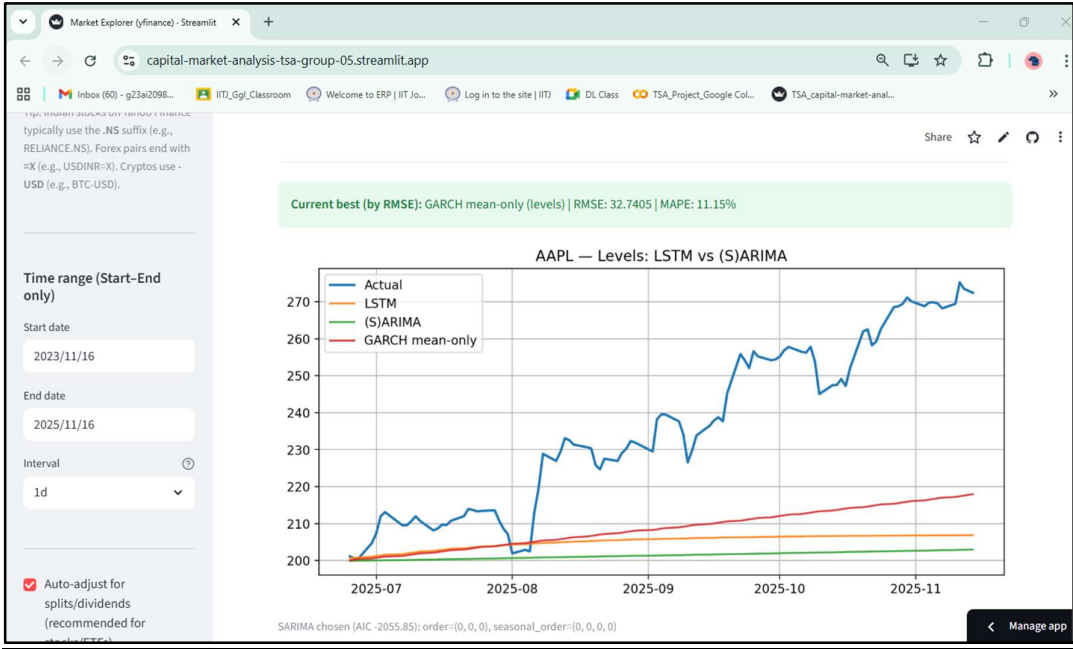
LSTM Model Forecasted Results:

Comparisons Running → LSTM Versus (S)ARIMA & GARCH:

Comparisons Results → LSTM Versus (S)ARIMA & GARCH:

Visualization → Comparison → LSTM Versus (S)ARIMA:

Visualization → GARCH(1,1) → Annualized Volatility