# Coca-Cola Stock Analysis Project

**Domain:**

Stock Market, Finance, Machine Learning

**Tools Used:**

Python, yFinance, Streamlit, Backtesting.py

**Project Overview:**

This project focused on analyzing Coca-Cola's historical stock performance using Python. Stock data was collected using the yFinance library and visualized with line graphs and trend charts. Machine learning algorithms were applied to forecast future trends.

**Key Features:**

- Real-time and historical stock data collection  
- Applied ML for trend prediction  
- Used Backtesting.py to test investment strategies  
- Built an interactive dashboard using Streamlit for easy analysis

**Outcome:**

The project provided insights into Coca-Cola's stock behavior and tested strategies to improve return on investment. It also demonstrated the power of combining machine learning and financial analytics.