

Usage

1. Run the Streamlit app:

```
bash
Copy code
streamlit run stock_market_dashboard.py
```

2. Open the app in your web browser: Once the app is running, Streamlit will provide a local URL. Open this URL in your web browser to access the Stock Market Dashboard.

App Interface

- **Sidebar:**
 - Enter the ticker symbol of the stock you want to analyze (e.g., AAPL for Apple Inc.).
 - Select the date range for the stock data (e.g., 1y for one year).
- **Main Panel:**
 - View the latest stock data for the selected stock.
 - Visualize the closing prices with a line chart.
 - Plot moving averages (10-day, 20-day, 50-day) to observe trends.
 - Display trading volumes with a bar chart.
 - Get summary statistics of the stock data.

Example

1. **Enter the Ticker Symbol:**
 - Enter AAPL in the sidebar to analyze Apple Inc. stock data.
2. **Select the Date Range:**
 - Choose 1y to view one year of stock data.
3. **Visualizations:**
 - The main panel will display the closing price, moving averages, trading volume, and summary statistics for Apple Inc.