

IRONHACK

# STOCK MARKET

DATA ANALYSIS PREDICTION





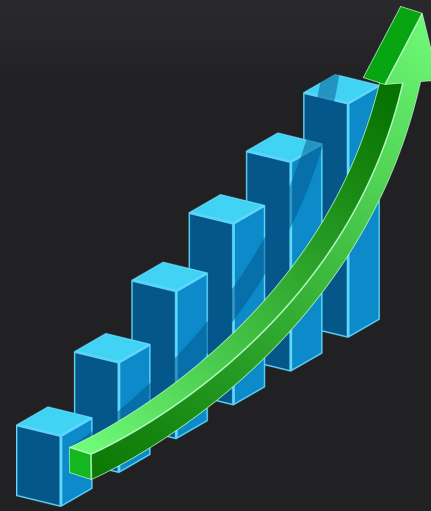
# KEYWORDS

- Indexfunds - a diversified set of stocks representing the economic index of a country.
- Portfolio - a variety of financial assets held by an individual, company, or institution.
- Ticker - a specific code that represents a particular institution.
- Stock - a share of ownership in a company.

# GOALS & OBJECTIVES



Facilitating the  
decision-making



Providing growth  
perspectives



Track the investment  
portfolio.

# STOCK

# STRATEGIES

## Step 1

Integration of financial libraries with Python and a daily updated database.

## Step 2

Cleaning and normalizing data to creating financial indicators to facilitate predictions.

## Step 3

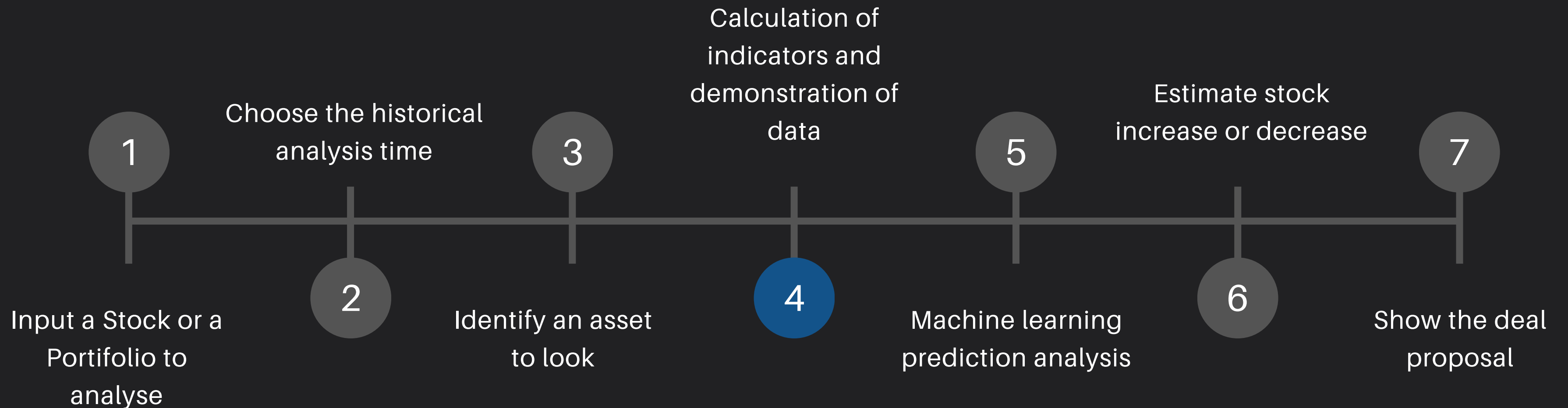
Run Machine Learning Model (Time Series) to make a prediction

## Final Step

Creating the Streamlit visualization to provide user interaction.

# MARKET

# APP FLOW



ANALYSIS

# WEB APP



STOCKPRED

# FUTURE IMPROVEMENTS



Add new forecast models



Create News Sentiment Analysis



Enable purchase and sale of shares

# PREDICT



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# Thank You

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