

Page Navigation

Prediction

Created by [Mohamed Afrith](#)

Deploy



# FAANG Stock Price Prediction

Enter the details to predict the Close price:

Select Company

Facebook

Open

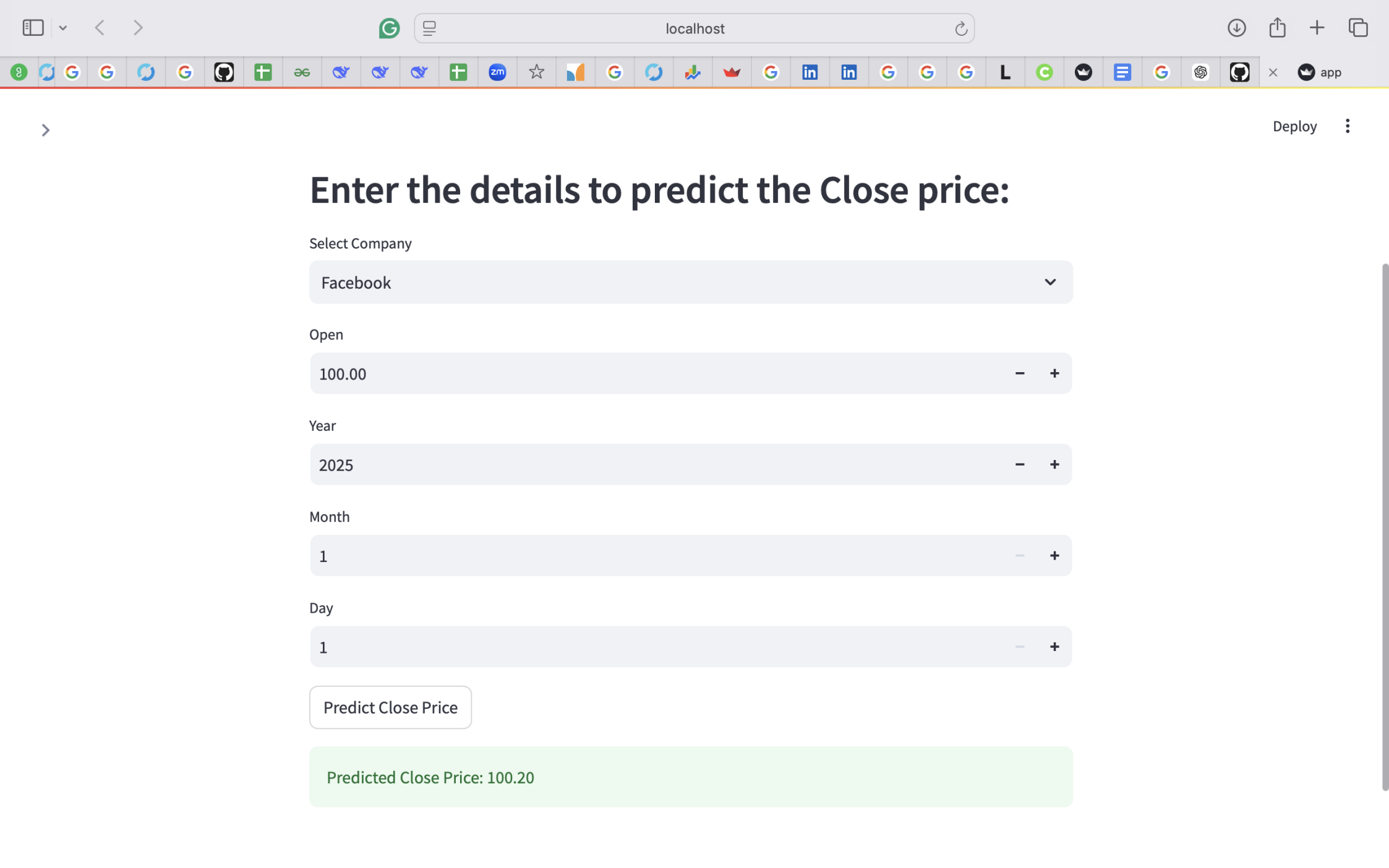
100.00

Year

2025

Month

1



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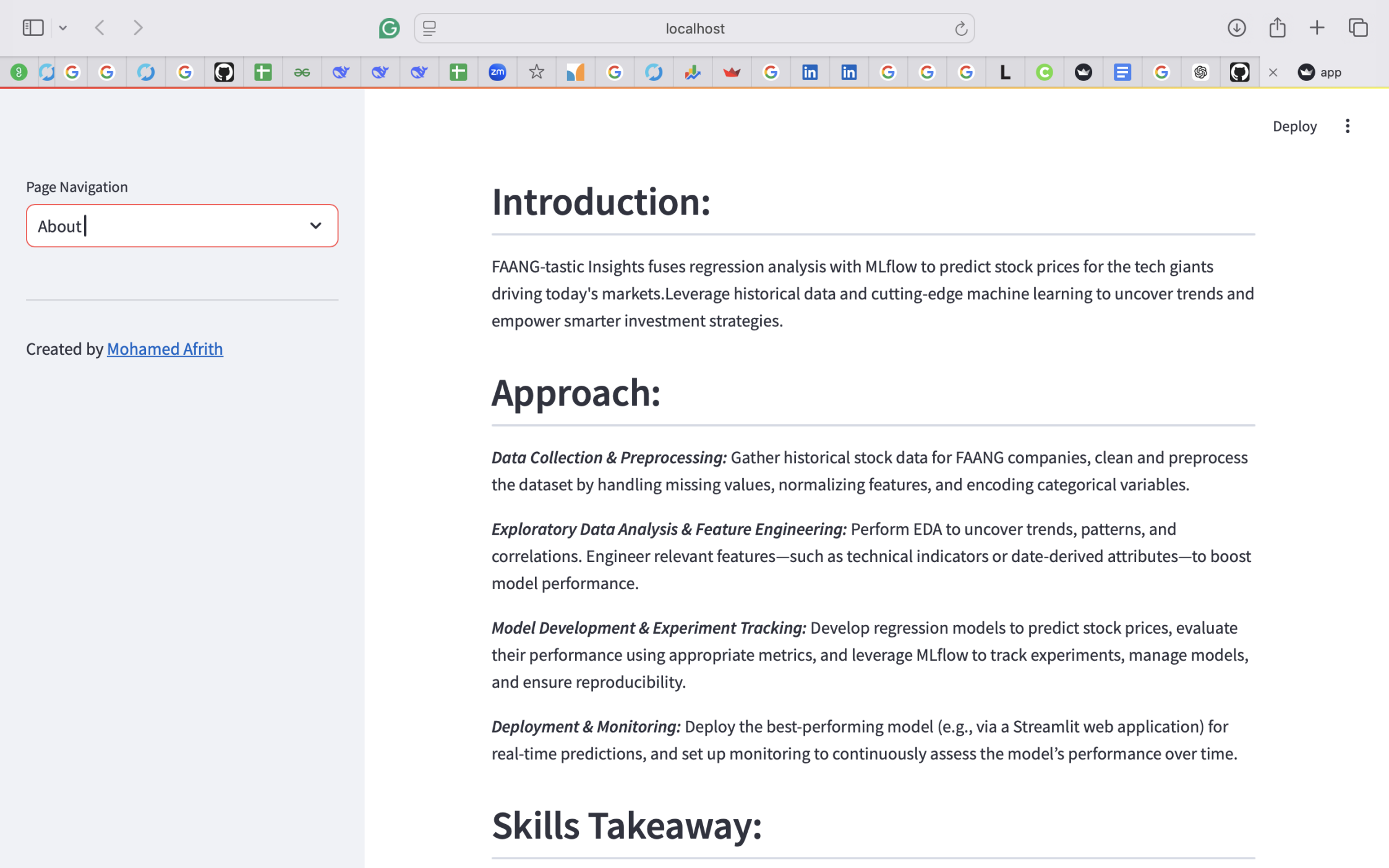
1

Day

1

Predict Close Price

Predicted Close Price: 100.20



# Introduction:

FAANG-tastic Insights fuses regression analysis with MLflow to predict stock prices for the tech giants driving today's markets.Leverage historical data and cutting-edge machine learning to uncover trends and empower smarter investment strategies.

# Approach:

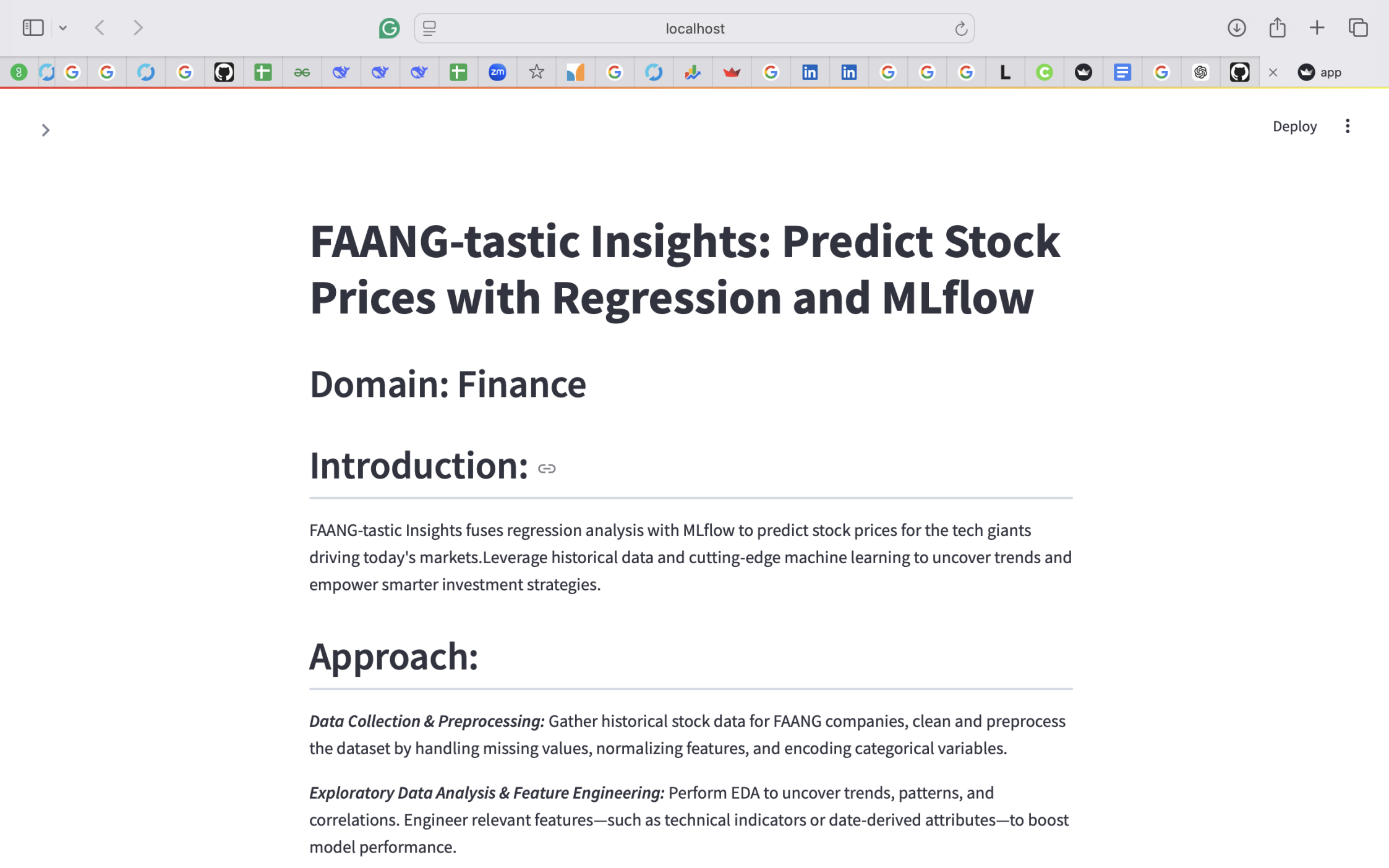
**Data Collection & Preprocessing:** Gather historical stock data for FAANG companies, clean and preprocess the dataset by handling missing values, normalizing features, and encoding categorical variables.

**Exploratory Data Analysis & Feature Engineering:** Perform EDA to uncover trends, patterns, and correlations. Engineer relevant features—such as technical indicators or date-derived attributes—to boost model performance.

**Model Development & Experiment Tracking:** Develop regression models to predict stock prices, evaluate their performance using appropriate metrics, and leverage MLflow to track experiments, manage models, and ensure reproducibility.

**Deployment & Monitoring:** Deploy the best-performing model (e.g., via a Streamlit web application) for real-time predictions, and set up monitoring to continuously assess the model’s performance over time.

# Skills Takeaway:



# FAANG-tastic Insights: Predict Stock Prices with Regression and MLflow

Domain: Finance

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