

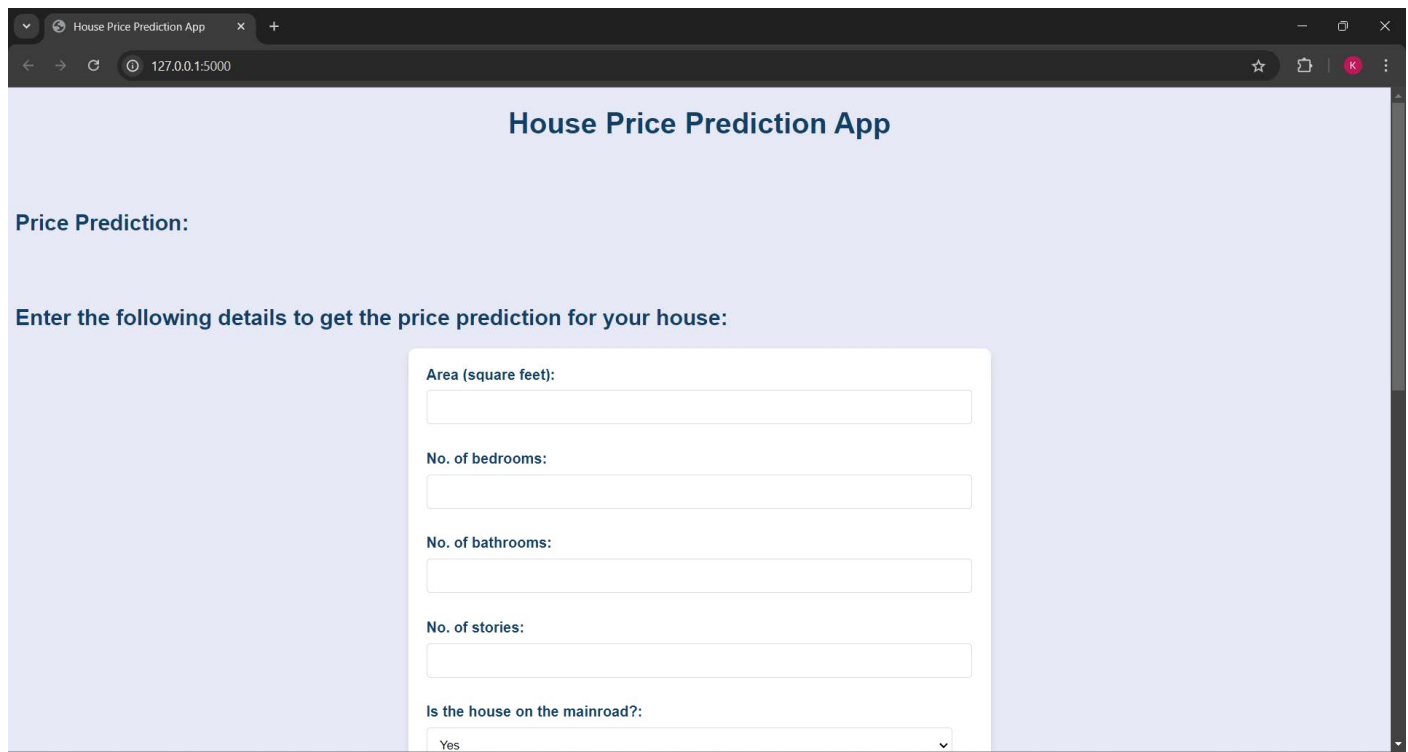
HOUSE PRICE PREDICTION- MACHINE LEARNING- REGRESSION TECHNIQUE

GitHub Repository: https://github.com/kavya-1706/house_price_prediction/

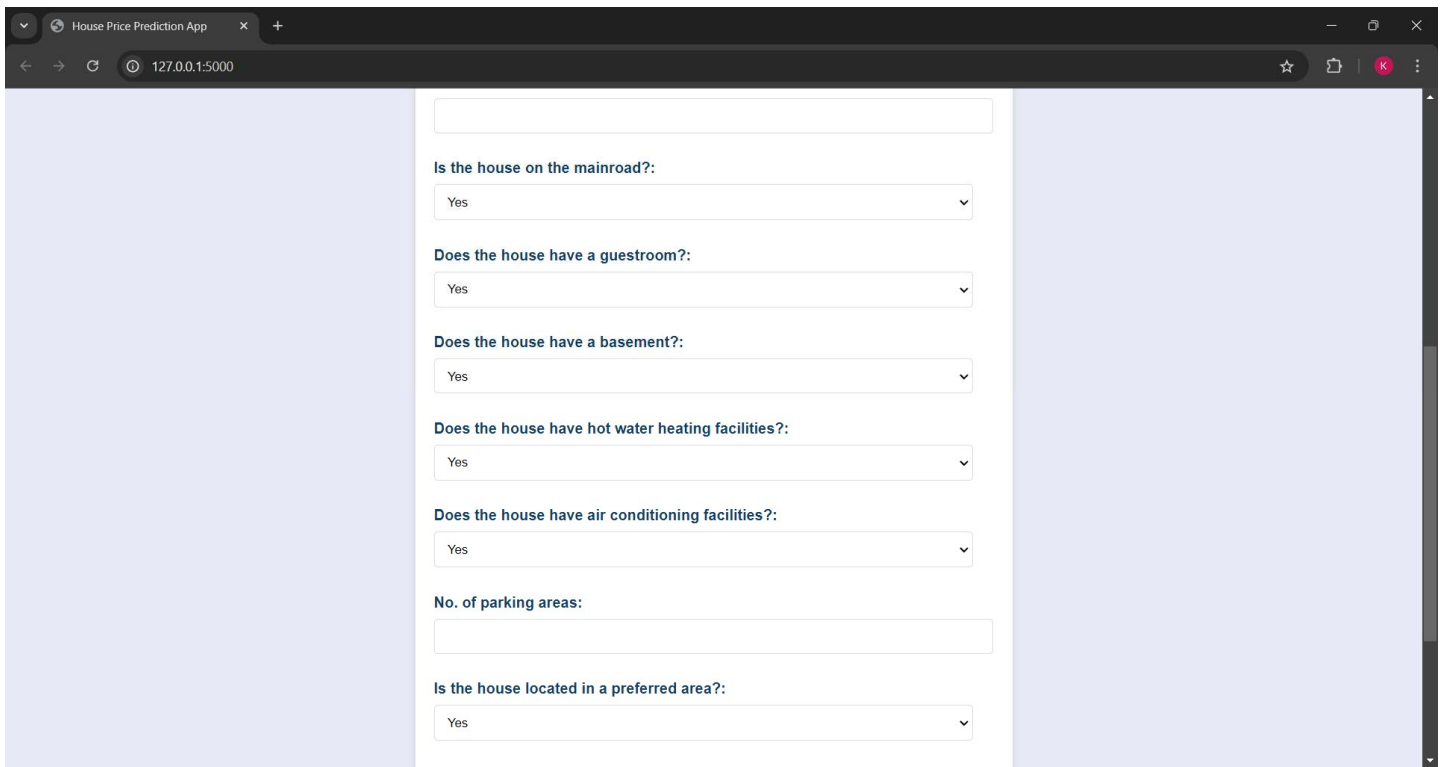
Made by- Kavya Anil

Flask App:

Landing page-



A screenshot of a web browser displaying the 'House Price Prediction App' landing page. The browser's address bar shows '127.0.0.1:5000'. The page has a light blue background. At the top, the title 'House Price Prediction App' is centered in a dark blue font. Below the title, the text 'Price Prediction:' is displayed. Further down, a prompt reads 'Enter the following details to get the price prediction for your house:'. A white form box contains several input fields: 'Area (square feet):' with a text input, 'No. of bedrooms:' with a text input, 'No. of bathrooms:' with a text input, 'No. of stories:' with a text input, and 'Is the house on the mainroad?:' with a dropdown menu currently showing 'Yes'.



A screenshot of the same web browser showing the continuation of the form. The form box contains a text input at the top, followed by 'Is the house on the mainroad?:' with a dropdown menu showing 'Yes'. Below this are four more questions, each with a dropdown menu showing 'Yes': 'Does the house have a guestroom?:', 'Does the house have a basement?:', 'Does the house have hot water heating facilities?:', and 'Does the house have air conditioning facilities?:'. The form concludes with 'No. of parking areas:' with a text input, and 'Is the house located in a preferred area?:' with a dropdown menu showing 'Yes'.

House Price Prediction App

127.0.0.1:5000

Yes

Does the house have hot water heating facilities?:

Yes

Does the house have air conditioning facilities?:

Yes

No. of parking areas:

Is the house located in a preferred area?:

Yes

What is the house's furnishing status?:

Furnished

Predict Price

Created by: Kavya Anil

Enter all details and click 'Predict Price' button.

House Price Prediction App

127.0.0.1:5000

Enter the following details to get the price prediction for your house:

Area (square feet):

1500

No. of bedrooms:

3

No. of bathrooms:

3

No. of stories:

1

Is the house on the mainroad?:

Yes

Does the house have a guestroom?:

Yes

Does the house have a basement?:

No

The screenshot shows a web browser window titled "House Price Prediction App" with the address "127.0.0.1:5000". The form contains the following fields and values:

- Does the house have a guestroom?: Yes
- Does the house have a basement?: No
- Does the house have hot water heating facilities?: Yes
- Does the house have air conditioning facilities?: Yes
- No. of parking areas: 1
- Is the house located in a preferred area?: Yes
- What is the house's furnishing status?: Unfurnished

A blue "Predict Price" button is located at the bottom of the form.

After clicking the button, the price is predicted-

The screenshot shows the same web browser window after clicking the "Predict Price" button. The predicted price is displayed at the top:

Price Prediction: 3486000.0

Below the prediction, the text "Enter the following details to get the price prediction for your house:" is shown. The form fields are:

- Area (square feet):
- No. of bedrooms:
- No. of bathrooms:
- No. of stories:
- Is the house on the mainroad?: Yes

For setting up and running:

1. Install required Python packages:

`pip install Flask`

`pip install pickle`

2. From the GitHub repository, download the `house_price_prediction_app` folder, and open it in VSCode.
3. Open VSCode terminal and ensure that you are inside the `house_price_prediction_app` folder directory.
4. For deploying on a development server:
`set FLASK_APP=app.py`
`flask run`
5. This opens up a development server on `http://127.0.0.1:5000` , which can be opened up on your browser.