

SAMSUNG

Samsung Innovation Campus

| C&P Course

HOUSE PRICE PREDICTION

Team 4

C&P Course



HOUSE PRICE PREDICTION

For companies like Magic Bricks correctly predicting price of a property is very important. In this project, using the historical data, you have to build a Machine learning model to predict the House Price in Bangalore. As you will see later this dataset is highly imbalanced and includes a lot of features that makes this problem more challenging.

Domain: Real Estate

Analysis to be done: Perform data preprocessing and build a prediction model.

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- | UNIT 1. What was the Problem
- | UNIT 2. Animation
- | UNIT 3. Tools Used
- | UNIT 4. How it Works
- | UNIT 5. What we did
- | UNIT 6. Summary

What was the Problem?



1. **Transparency**
2. **Time and Money intensive Work**

Interface

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House Price Prediction

Location:

Area Type:

Area Size (sq. ft.):

Number of BHK:

Number of Bathrooms:

Number of Balcony:

PredictPrice

Predicted Price:

Interface

House Price Prediction

127.0.0.1:8000

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House Price Prediction

Location:
Select a location

Area Type:
Select an area type

Area Size (sq. ft.):
--Please enter sq ft--

Number of BHK:
1

Number of Bathrooms:
1

Number of Balcony:
1

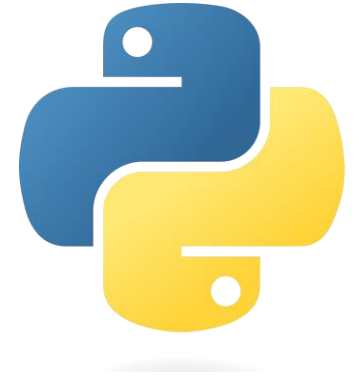
PredictPrice

Predicted Price:

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Tools Used

- Python
- Anaconda
- HTML & CSS
- Django



django

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How it works?

1. User will give **6 Input**

- Location
- Area Type
- Size
- BHK?
- No. of Bathrooms?
- No. of Balcony

2. **Predict Price**

Your Price Is On Screen

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What we Did?

- We got about **13,000 data of real states** in Bangalore.
- **Data Optimization**
- **Model Training** (Linear Regrattation)
- By Pickle, **Model saving**
- With Python
 - **Backend Development**
- With HTML
 - **Front end Development**
- With Django
 - Merge (), **Final Product**

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Project Summary

- Our project is a **Machine Learning Web App**,
- based on Trained AI, it will try to **guess the most accurate price**.
- It will take 6 input:
Location, Area Type, Size, BHK, No. of Bathrooms, No. of Balcony
- User will click on Predict price.
- User will then the price



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