SAMSUNG

# Samsung Innovation Campus

## C&P Course

Together for Tomorrow!
Enabling People
Education for Future Generations

# 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.

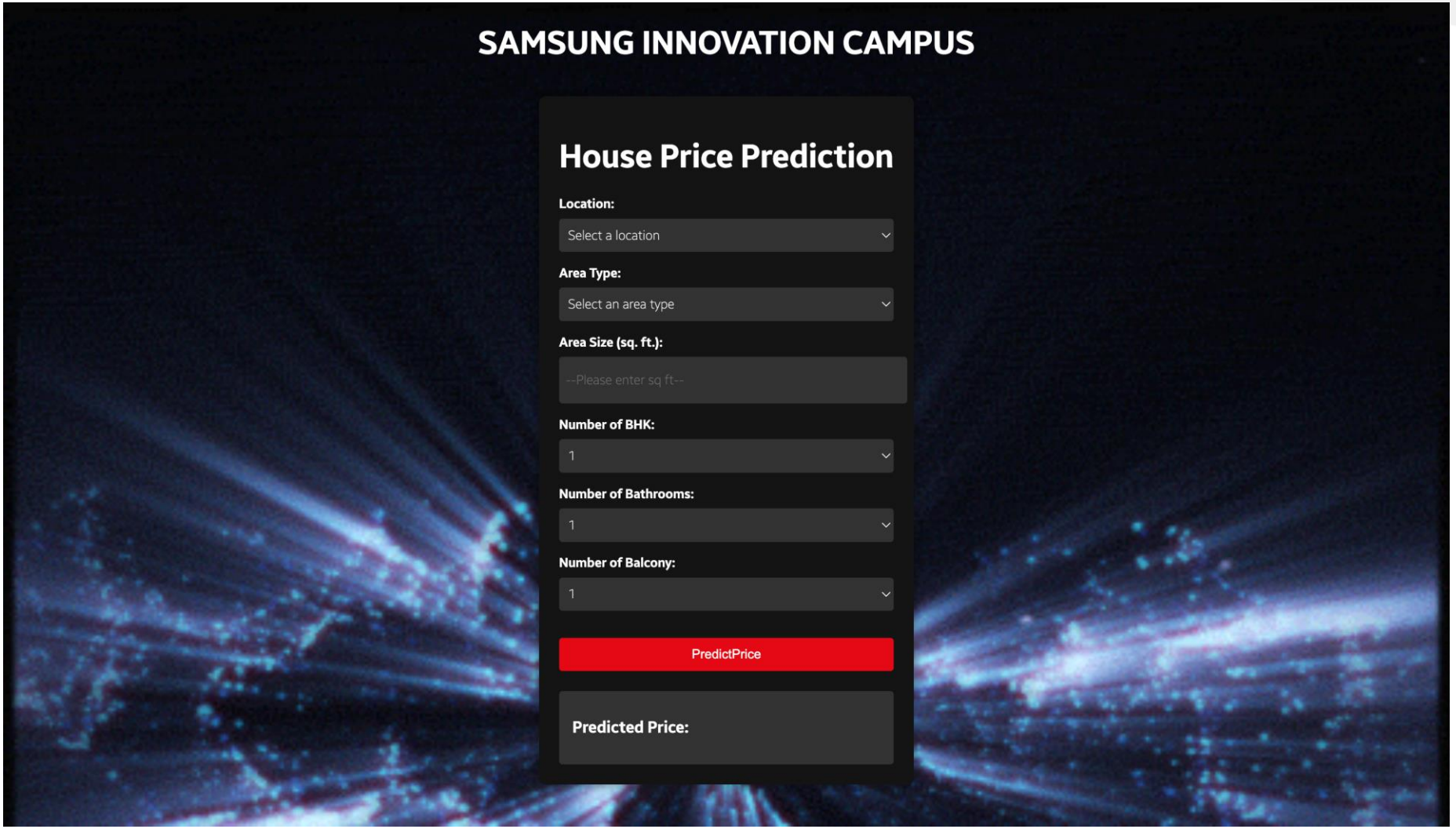
# HOUSE PRICE PREDICTION

- 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

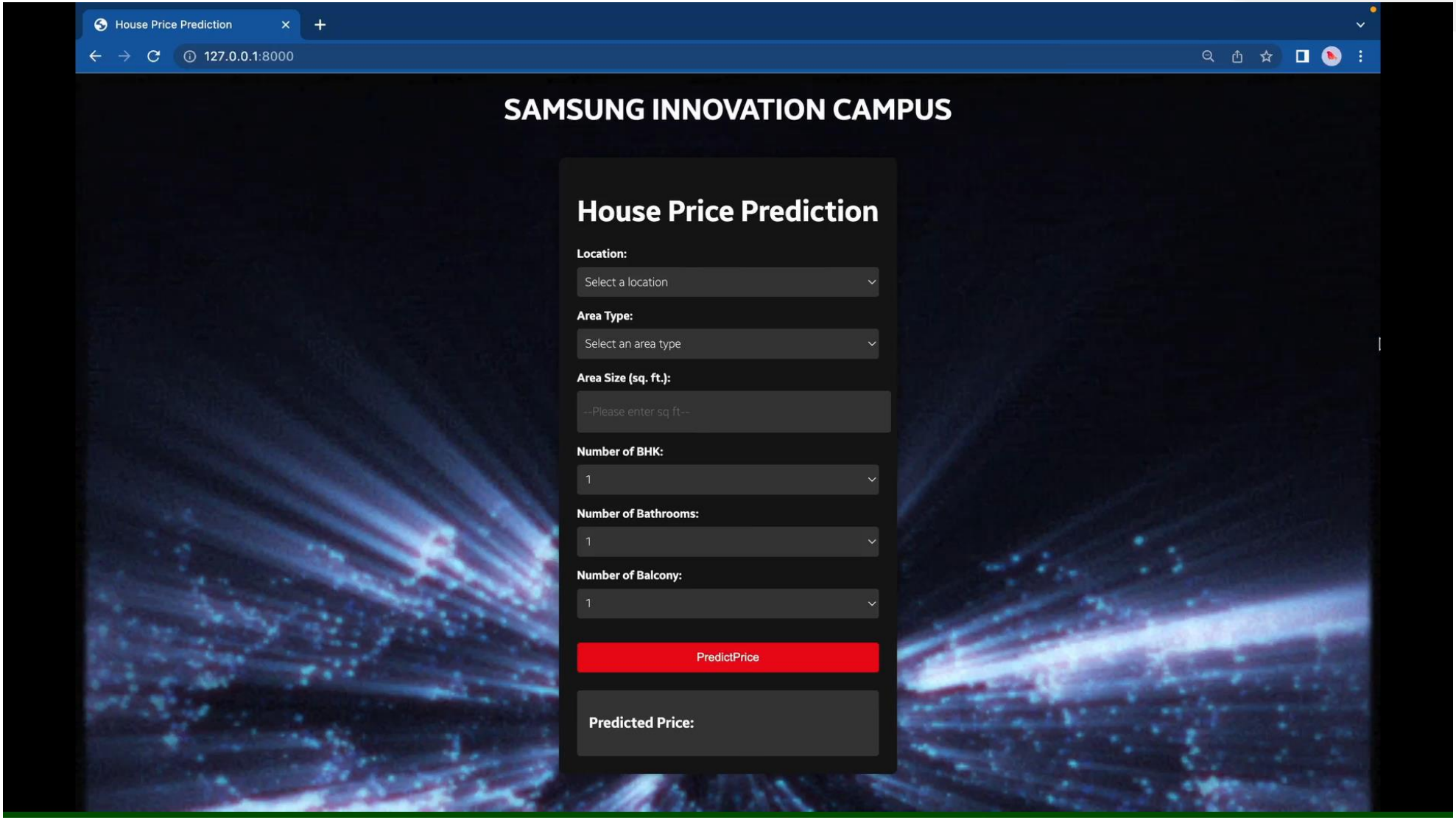
# What was the **Problem?**

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

# Interface


SAMSUNG INNOVATION CAMPUS
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:

# Interface


House Price Prediction
127.0.0.1:8000
SAMSUNG INNOVATION CAMPUS
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Number of Balcony:
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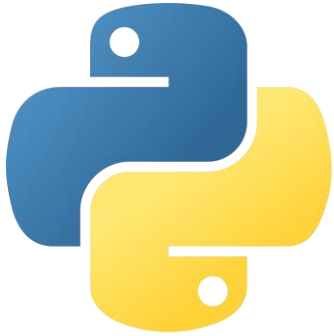
PredictPrice
Predicted Price:

# HOUSE PRICE PREDICTION

Tools Used

- Python
- Anaconda
- HTML & CSS
- Django



# HOUSE PRICE PREDICTION

## 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

# HOUSE PRICE PREDICTION

## What we Did?

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

# HOUSE PRICE PREDICTION

## 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