Real estate capstone project

Website :

1. Analytic Module :
2. Gurgaon:
3. Spatial analysis : heat map on Gurgaon map , with price scale in different color
4. Price distribution across sectors
5. Price v/s square foot analysis : dropdown menu , entrie gurgaon , sectors of gurgaon etc
6. Number of rooms pie chart : dropdown to select the sector
7. Top features Word cloud
8. Insight Module :
9. Price affection by adding or removing the components ( playground, parking, pooja ghar, etc)
10. Price Prediction Module

Filter selection the give prediction

1. Recommender system :
2. ----------------------

Project Setup :

1. We will use the streamlit, instead of Flask CSS HTML
2. Multipage website instead of single page
3. We can add GPU
4. Handle the latency issues

Project RoadMap:

1. Project planning
2. Data Gathering ( web scraping , database , etc )
3. Data pre- Processing
4. EDA (exploratory Data Analysis )
5. Univariate
6. Bivariate
7. Multivariate
8. Start doing the task 1 of Analytic module
9. Feature Engineering
10. Regression model

Points Of Improvement

1. Add more analytics
2. Build for any other city ( PAN india project )
3. Add independent floors and Residential plots
4. Add commercial properties (
5. We can improve the predictive algorithms
6. We can add more Features

Suggestion :

1. We can do periodic scrapping and connect to the database
2. We can use data.gov.in for the data government website

Day 2 :

Plan of Attack :

Flats Data :

1. Clean

Houses Data :

1. Clean

Then we merged the both data and do the cleaning again

Also we did excel cleaning initially