



REPPS

Real Estate Price Prediction System
Final Year Project (2018 - 2022)
Comsats University Islamabad, Lahore Campus

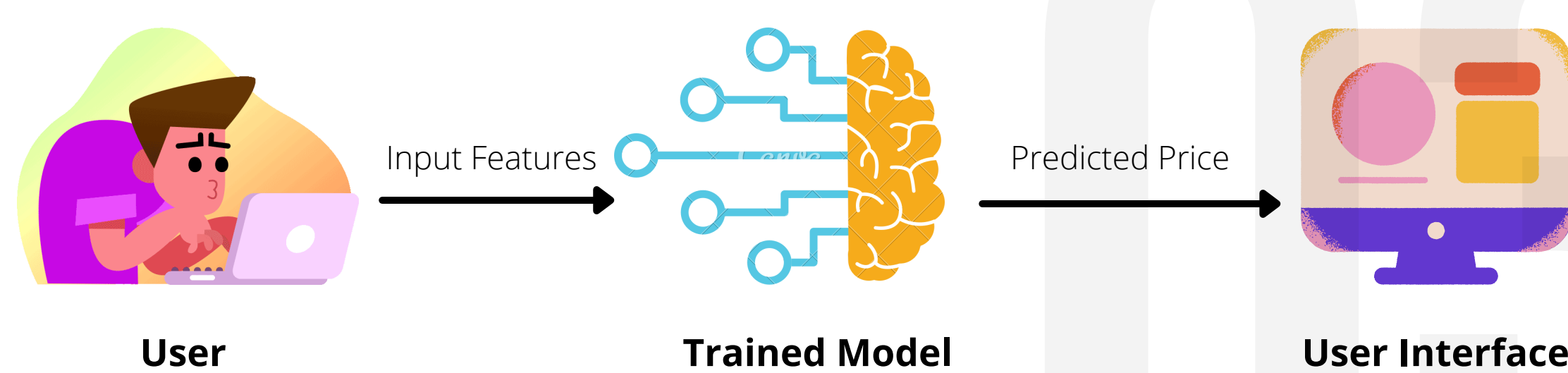


Introduction

Introducing the very first real-estate price prediction system in Pakistan. In this work, real-estate prices will be predicted using various machine learning algorithms on data that will be collected in this project. The goal of this project will be to create a prediction system that can accurately predict the prices of real estate using several features.

Methodology

- Pre-processing is carried out on the features provided by the user.
- The pre processed features are passed on to our trained machine learning model.
- The modal returns the predicted price of the user's plot.



Contribution

- We have provided the plots price prediction feature along with Buying and selling properties feature.
- Plot price prediction is a unique and innovative feature that has never been introduced before in Pakistan.
- This will help negate the Buyers/Sellers over-reliance on Real Estate Agents.

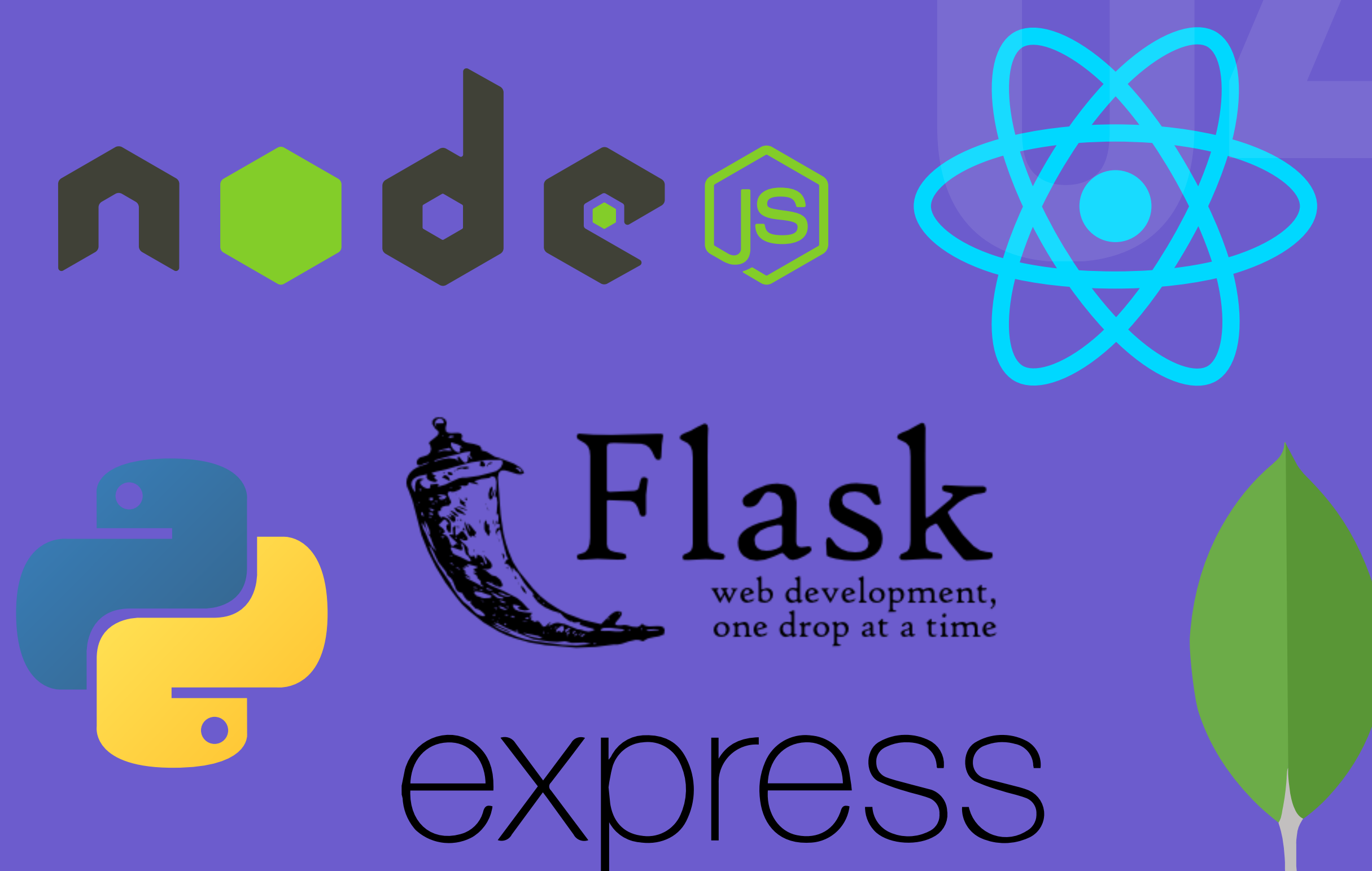
Result

By using the data of 25000+ properties we have built a model with an accuracy of 90% that predicts the prices of plots on the basis of the features provided by the user.

Objective

- The sole objective of REPPS is to create a user-friendly GUI which can predict future prices of real estate of different societies in Pakistan.
- Providing a reliable platform and user-friendly interface to sell properties by posting its ads.
- Providing search filters to facilitate buyers to search and view properties of their likings.

Technologies



Conclusion

Predicting future prices of Real Estate is a completely new horizon. REPPS will be the very first real estate price prediction system in Pakistan. In this work real-estate prices will be predicted using various machine learning algorithms. The machine learning model that will predict the Real Estate price will be trained on a dataset created by us. For now, the dataset contains data of only Lahore city. By using REPPS property investors will not have to rely anymore on the analysis of real-estate business professionals. The government as well as others can also make strong urban planning by using this system.

Supervisor: Dr. Jawad Shafi

Co-supervisor: Dr. Touseef Tahir

Name: Muhammad Umais Hassan

Email: sp18-bcs-179@cuilahore.edu.pk



Name: Mubariz Ali Ghauri

Email: sp18-bcs-075@cuilahore.edu.pk



Name: Talha Imtiaz

Email: sp18-bcs-079@cuilahore.edu.pk

