



Muhammad Ahsan Rasheed

Curriculum Vitae

Education

2019-23 **BS (Computer Science)**, Iqra University Islamabad Campus, Islamabad 44000, Pakistan, CGPA 3.18/4.00.

BS. FYP

Title *Real Estate Price Prediction*

Abstract *One of the important tasks in real estate is to predict the price of property. The customers don't have a full background history of the property which they intend to buy or sell so most of them end up getting scammed. And the customers don't know whether the property will gain or loss in future. So, I build up a predictive model for these problems using machine learning techniques Linear Regression, Lasso Regression, Ridge Regression, Elastic Net Regression, K-Nearest Neighbors Regression, Bayesian Ridge Regression and make the stacking ensemble of these techniques. At the end check the different errors (MSE, MAPE, MAE) and select the best model for this problem. This model is for anyone who is buying or selling a property.*

Keywords *Machine learning, Stacking Ensemble Model, Real Estate, Regression Techniques*

Supervisor [Dr. Muhammad Bilal Bashir](#)

Experience

Position **AI Software Engineer**

aSimplify Software Company 4th Floor, Plaza No 79, Business Square, Gulberg Greens Block A Islamabad, Islamabad Capital Territory 44000, Pakistan

From Mar, 2024 to Present

Position **AI Software Engineer (Intern)**

aSimplify Software Company 4th Floor, Plaza No 79, Business Square, Gulberg Greens Block A Islamabad, Islamabad Capital Territory 44000, Pakistan

From Oct, 2023 to Feb, 2024

Position **Research Associate**

Communications over Sensors (ComSens) research lab, Department of Computer Science, COM-SATS University Islamabad, Islamabad Campus, Pakistan

From Feb, 2023 to Sep, 2023

Area of Work

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|-----------------------|-----------------|----------------------------|
| Python Developer | LLM Integration | API Integration |
| .NET Developer | RAG Process | Payment method integration |
| Data Science | Chatbot | Node.js |
| Machine Learning | Fine-tuning | Next.js |
| Elevenlab Integration | TTS | STT |

References

Dr. Nadeem Javaid

Department of Computer Science, COMSATS University Islamabad, Islamabad 44000, Pakistan.

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