# Zeeshan Akram *Data Scientist*

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## Profile

Enthusiastic Data Science student with hands-on experience in Python, ML, and web deployment. Skilled in EDA, clustering, regression, and model evaluation. Built intelligent ML apps using Streamlit and FastAPI. Quick learner, strong problem solver, and passionate about using data for real-world impact.

## Skills

Programming: Python, C++, C

Data Analysis: Pandas, NumPy, Matplotlib, Seaborn

ML Libraries: Scikit-learn, TensorFlow, PyTorch

Deployment: Streamlit, FastAPI

Tools: Git, Jupyter, VS Code

Soft Skills: Problem Solving, Communication, Teamwork

## Education

### BS Software Engineering (In Progress)
*Virtual University of Pakistan*
09/2024 – 02/2028 | Islamabad, Pakistan

## Personal Projects

- Implemented custom Simple & Multiple Linear Regression from scratch
- Built SQL Query Project to analyze retail datasets

## Certificates

- HP LIFE – Data Science Certificate

## Projects

### K-Means Clustering Web App ⊡
*End-to-end clustering with auto preprocessing & interactive UI*
- Automated missing value handling, encoding, and scaling
- Real-time cluster visualization and elbow method support
- Built with Streamlit, Scikit-learn, Pandas

### Spam Detection Web App ⊡
*Built with Python, TF-IDF & Bernoulli Naive Bayes, deployed using Streamlit*
- Achieved **98.4% accuracy**, 94.2% F1-score
- Created real-time spam detection with clean UI
- Used TF-IDF and evaluated with confusion matrix

### Ames Housing Price Prediction
*Regression model using advanced feature engineering*
- Applied Ridge, Lasso, ElasticNet and XGBoost
- Feature selection with mutual info & correlation analysis
- Achieved high $R^2$ score on test data

## Interests

- Solving Real-World Problems with Data
- Building Interactive Data Apps & Dashboards
- Exploring AI & Machine Learning Innovations
- Automation & Efficiency through Code