

Ussama Rehman

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EDUCATION

University of Engineering and Technology

Bachelor of Science in Software Engineering

Taxila, PK

Oct. 2015 – Aug. 2019

EXPERIENCE

Lecturer, Computer Science

Higher Education Department

Feb. 2023 – Present

Punjab, PK

- Delivered Undergraduate-level instruction in programming and software development.
- Designed assignments, quizzes, and labs tailored to national curriculum standards.
- Mentored students in academic projects and technical skill development.

Freelance Python Developer

Freelance Platforms/Communities

Dec. 2024 – Present

Remote

- Completed multiple online machine learning projects.
- Implemented regression and classification algorithms using Python, NumPy, and scikit-learn.

PROJECTS

House Price Prediction | *Python, scikit-learn, Pandas, Jupyter*

Aug. 2025

- Trained and evaluated multiple linear regression models to predict house prices using the Kaggle dataset.
- Applied feature scaling, one-hot encoding, and regularization techniques (Ridge, Lasso).
- Visualized model performance using residual plots and feature importance charts.

Email Spam Classifier | *Python, scikit-learn, NLTK, Jupyter*

Sep. 2025

- Built a spam detection model using logistic regression and Naive Bayes classifiers.
- Preprocessed email text data with tokenization, stopword removal, and TF-IDF vectorization.
- Evaluated model performance using precision, recall, and confusion matrix visualizations.

CERTIFICATIONS

Machine Learning Specialization

Stanford University via Coursera

July 2025 – Sep. 2025

Online

- Completed Machine Learning Specialization by Andrew Ng.
- Practiced core ML algorithms and techniques using Python, NumPy, scikit-learn, and Jupyter Notebooks.
- Applied Learning to personal projects involving model training and evaluation.

Deep Learning Specialization

DeepLearning.AI via Coursera

July 2025 – Sep. 2025

Online

- Studied neural networks, CNNs, RNNs, and techniques for tuning deep learning models.
- Built and trained deep learning models using Python and TensorFlow in hands-on labs.
- Applied deep learning techniques to computer vision and sequential data tasks.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS

Developer Tools: Git, VS Code

Platforms: Coursera, LeetCode, Kaggle

Libraries: pandas, NumPy, Matplotlib, TensorFlow, scikit-learn