

# Shaheer Ahmed

AI / ML | B.E Computer Systems | Mehran UET Jamshoro

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## PROFESSIONAL SUMMARY

Computer Systems Engineer with a focus on **Full-Stack AI implementation**. Experienced in building **NLP-driven** systems and deploying real-time AI applications using **Python, Gemini APIs and JavaScript**. Proven track record in predictive modeling and deep learning research, seeking to apply AI solutions to the healthcare & technology sector.

## EXPERIENCE

### Final Year Project, HandCodeAI

Nov 2024 – Nov 2025

MUET, Jamshoro

- Developed a React Native app using Gemini API for real-time handwritten code extraction and execution.
- Integrated an NLP-driven debugging system to provide automated error analysis and contextual solutions.

### RadixTech | Risk Data Analyst Intern

Jun 2024 – Aug 2024

Hyderabad, Pakistan

- Built predictive models to forecast risks, which **improved model accuracy by 15%** and supported data-driven decisions.
- Delivered analytical insights and integrated model outputs into core business risk strategies.

### NAVTTC | Artificial Intelligence (ML & DL)

Feb 2024 – May 2024

MUET, Jamshoro

- Trained in CNNs, RNNs, and Time Series Analysis using TensorFlow and PyTorch.
- Applied Deep Learning methodologies to solve real-world data problems through intensive hands-on labs.

### Data Science Fellow (Artificial Intelligence)

Jun 2024 – Aug 2024

BYTEWISE - Remote Internship

- Optimized data pipelines and performed EDA on large datasets to improve model training efficiency.
- Implemented Machine learning algorithms and created visualizations to extract actionable insights.

## EDUCATION

### B.E Computer Systems Engineering

2021 – 2025

MUET, Jamshoro

CGPA: 3.2/4

## RESEARCH PUBLICATIONS

### Enhancing Cybersecurity Threat Detection Using Machine Learning

Accepted – International Multi-Topic ICT Conference, 2025

Ahmed J., Ahmed S., Khanzada T. J. S., Ali F.

- Evaluated seven ML algorithms on the UNSW-NB15 dataset; identified Decision Trees as the optimal balance between accuracy and efficiency.

## PROJECTS

### CodePilot: Real-Time AI Review and Refactoring Tool

[Link](#)

- Developed a full-stack Python/React application using Gemini API for real-time AI code analysis and performance optimization.
- Developed a prompt system to detect bugs, security risks, and generate refactored code.

### Multi-Zone Energy Prediction System

[GitHub](#)

- Developed an ML regression model to forecast multi-zone power consumption.
- Conducted feature engineering on weather data to improve prediction accuracy.

## SKILLS & TECHNOLOGIES

**Programming Languages:** Python, SQL, JavaScript, Java.

**AI & Machine Learning:** TensorFlow, PyTorch, Hugging Face Transformers, LLMs, NLTK.

**Data Science & Analytics:** Pandas, NumPy, Matplotlib, Power BI, Excel, MySQL, NoSQL.

**Soft Skills:** Communication, Analytical Thinking, Problem Solving, Team Collaboration.

**Languages:** English (Fluent), Urdu (Native).

## BEYOND ACADEMICS

Member, ACM Student Chapter

MUET, Jamshoro

Member, PM Youth Movement

MUET, Jamshoro