

Shaheer Ahmed

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

📍 Karachi | ✉ Email | 📞 +92 304-5467944 | 🔗 LinkedIn | 🐙 Github

PROFESSIONAL SUMMARY

Recent Computer Systems Engineer with hands-on experience in AI/ML development and Data Analytics. Proven track record in building NLP-driven systems and predictive models. Dedicated to engineering scalable Deep Learning models and Data Science workflows that address complex real-world problems.

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, improving data-driven decisions.
- Delivered analytical insights and integrated model outputs into core business risk strategies.

NAVTTTC | 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)

June 2024 – August 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

 GitHub

- Python app using Gemini API for real-time 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.

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

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

BEYOND ACADEMICS

Member, ACM Student Chapter

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Member, PM Youth Movement

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