WASIL FAWAD MALIK

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Education

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology **Sep. 2022 – May 2026**
Bachelor of Science in Artificial Intelligence *Topi, Pakistan*

Relevant Coursework

- Natural Language Processing
- Computer Vision
- Software Engineering
- Machine Learning
- Deep Neural Networks
- Operating Systems
- Data Structures and Algorithms
- Database Management Systems
- Inferential Statistics and Applied Probability
- Object Oriented Programming and Design

Experience

Evamp & Saanga **June 2025 – July 2025**
Front-End Intern *Islamabad, Pakistan*

- Built responsive, user-friendly interfaces with HTML, CSS, and JavaScript to enhance user experience.
- Collaborated with developers and designers, translating mock-ups into functional, polished components.
- Optimized site performance and accessibility, ensuring fast load times and cross-device compatibility.
- Applied version control (Git/GitHub) in team workflows, strengthening collaboration and project delivery.

Nexus Academy **November 2024 – present**
Online Tutor *England, United Kingdom*

- Delivered personalized tutoring in math, physics, and chemistry for Edexcel, O Level, A Level, and NAT 5 students.
- Designed tailored lesson plans, notes, and assessments to support individual learning needs and exam preparation.

Projects

Fine-Tuning Qwen2-VL for LaTeX Code Generation from Images of Mathematical Equations Using LoRA and 4-bit

- Fine-tuned a Vision-Language Model (VLM) for LaTeX transcription from equation images, achieving improved accuracy through advanced preprocessing and optimization techniques.
- Evaluated model performance using BLEU scores and enhanced training stability with mixed-precision training and optimized tokenization strategies.
- Colab Notebook Link

Credit Card Fraud Detection | *Python, Machine Learning, Google CoLab* **December 2024**

- Developed a machine learning training model to learn and detect fraudulent credit card transactions.
- Made use of various machine learning models such as Random Forest, Logistic Regression, XGBoost, Isolation Forest, etc.
- Colab Notebook Link

MeMalDet HMM | *Python, Deep Learning, Google CoLab* **December 2024**

- Collaborated on a semester project based on the MeMalDet framework, focusing on memory analysis-based malware detection using deep learning and ensemble techniques.
- Implemented Hidden Markov Models to enhance the detection process, exploring advanced methods for identifying obfuscated malware.
- Colab Notebook Link

Technical Skills

Languages: Python, JavaScript, HTML, CSS, C++, PostgreSQL, Verilog, C, Java
Developer Tools: VS Code, Google CoLab, Jupyter Notebook, pgAdmin, Xilinx Vivado
Technologies/Frameworks: GitHub, Linux, Docker

Leadership / Extracurricular

NETRONiX **September 2022 – October 2024**
Subhead *Ghulam Ishaq Khan Institute of Technology and Engineering Sciences*

- Led outreach, event management, and community engagement for national gaming and networking events (UGX, HNC) with 350+ participants, including hosting tournaments, livestreams, and casting finals.
- Managed social media content and campus networking support, while applying design skills in Adobe Photoshop, Canva, and Premiere Pro.