

Ahmad Irfan

Location: Islamabad

Number: 03363171727

ahmadirfanzb01@gmail.com

linkedin.com/in/ahmad-irfan-zaheer/

https://github.com/devahmadpk

Full-stack developer transitioning into AI Engineering. Currently pursuing MSc in AI & Autonomous Systems at NUST, with hands-on experience building RAG pipelines and GNN-based multi-agent systems. Strong development background from 2+ years of MERN stack development.

Technical Skills

Python, Pytorch/ Tensorflow, RAG, GNN, LLM, Hugging Face, Langchain/ Llama Index, Prompt Engineering

Projects

- **AI Teaching Assistant:** Developed an RAG-based AI Teaching Assistant using Gemma 2B SLM, LangChain, and ChromaDB — ingested 50+ course documents, achieving 87% student query resolution without instructor input
- **GNN Based MARL** – Extended QMIX with GNN-based agent communication graphs in PyTorch, improving multi-agent coordination reward by 18% over baseline.

Education

NUST | Master's in AI & Autonomous Systems

Islamabad | 09.2025 - Ongoing

Studied core Artificial Intelligence processes and worked with the latest Large Language Models to build AI-assisted projects such as an AI grading system and an RAG-assisted SLM-based AI teacher.

IQRA University | Bachelor's in Computer Science

Karachi | 02.2020 - 02.2024

Built a strong academic understanding of key computing concepts such as Data Structures, Algorithms, etc.

Certifications

- **IBM AI Engineering Professional Certification (On-going)**

Work experience

Upwork | Freelance Web Developer

Remote | 02.2025 - Ongoing

- Developed and deployed high-performance MERN stack web apps for global clients

HBL Microfinance Bank Ltd. | MERN Stack Intern

Islamabad | 11.2024 - 01.2025

- Performed seamless integrations between [Express.js](#) backends and MongoDB databases
- Contributed to building scalable MERN Stack applications for the bank's internal use

RG Digitals | Web Developer Intern

Rawalpindi | 03.2024 - 11.2024

- Developed high-performing e-commerce stores and performed AI automations for optimizing business processes