

Faizan Faisal

ifaizanfaisal@gmail.com | 0308-4209602 | linkedin | github | Portfolio

Introduction

I Faizan Faisal, a Computer Science student with hands-on experience building intelligent backend systems and LLM-based AI agents and chatbots through agentic framework. Skilled in Python, FastAPI, and MongoDB, with real-world projects in Retrieval-Augmented Generation (RAG), vector databases (Pinecone), and CrewAI. Built production ready fullstack application with React frontends and scalable API backends.

Education

NUML University , BS in Computer Science

Sept 2023 – June 2027

- **CGPA:** 3.39 / 4.0
- **Core Courses:** OOP, DSA, Artificial Intelligence, Visual Programming (.NET)
Database, Web Technology, Software Engineering

Projects

Education Rag – Agentic AI

- Developed an Agentic RAG based QA system using Pinecone, Google GenAI, and CrewAI - Used semantic chunking and PDF extraction pipelines for efficient document querying
- Front-end in React
- Backend in Python (FastAPI), JWT base secure login. With MongoDB and Pinecone vectore Database

Portfolio

- Developed an Interactive Portfolio to showcase my tech background
- Front-end in React and Tailwind

LMS – Web Development

- Developed a fully functional Learning Management System with separate portals (Admin, Instructor, Student) each supporting role-based features such as course registration, attendance tracking, and assignment uploads
- Front-end in React
- Backend in Python (FastAPI) with MYSQL database

Experiences

Design Clinic.PK - Internship in Backend Development

July 2025 – Present

- Working on the various projects and responsible for backend development (using Python-FastApi), Integration of backend with frontend, Database Management, Email Automation.

Achievements

2nd Place in Competitive Programming

- Achieved 2nd place in my university's first ever hackathon. HACKFORGE. in competitive programming.
- Languages used: C++ , Java

Web Development lead

- Appointed as the web development lead in my university hackathon. where I was responsible for paper setting and managed the whole web development event.

Technologies

Languages: C++ | Java | Python

AI Stack: Crew AI | OpenAI Agent SDK | RAG | Prompt Engineering

Database: MySQL | SQL | MongoDB | Pinecone

Tools and Framework's: React | Chainlit | Git | Github