Abdul Azeem Hashmi

AI and Backend Engineer | Full Stack Web Developer

Portfolio | GitHub | abdulazeem7982@gmail.com | +92 303 9720693 | Rawalpindi, Pakistan

SUMMARY

AI and Backend Engineer pursuing a Bachelor of Science in Artificial Intelligence at National University of Computer & Emerging Sciences, Islamabad. Focused on building autonomous AI agents, LLM powered applications, and full stack web experiences that emphasize performance and modern design, with hands on experience across agentic systems, scalable APIs, and clean database architectures.

EXPERIENCE

AI Intern, UAV Dependability Research Lab

June 2026 to August 2026

Researched and engineered AI logic models for autonomous UAV systems. Ran dependability evaluations, optimized waypoint routes, and carried out rule compliance testing for mission planning software.

Software Engineering Intern, CODOC (PVT) LTD

July 2026 to August 2026

Architected and implemented scalable software solutions, optimized full stack application performance, and collaborated with the team on modern software engineering workflows.

EDUCATION

Bachelor of Science in Artificial Intelligence, National University of Computer & Emerging Sciences, Islamabad Campus

2024 to Present

PROJECTS

Pak University Advisor | GitHub Repository | Live Demo

A bilingual web application that helps Pakistani students find the best university based on budget, location, and degree requirements. Built with TypeScript, Next.js, React, and Tailwind CSS.

HEC ODL Application Orchestrator | GitHub Repository | Live Demo

An automated Open and Distance Learning application processing system for HEC, built with RAG, LangChain, and a multi AI failover architecture. Built with TypeScript, LangChain, RAG, and Next.js.

Jimmy Morning Chronicle | GitHub Repository | Live Demo

A personal digital newspaper with an autonomous four agent editorial workflow, adaptive learning from reader habits, audio narration, and Gemini powered Q&A. Built with Next.js, Supabase, Gemini API, and AI Agents.

Agentic UAV Mission Planner | GitHub Repository | Live Demo

An AI powered UAV mission planning system that converts natural language commands into validated flight plans with safety checks and export options. Built with Python, AI Agents, Gemini API, and Streamlit.

SKILLS

Languages	Python, TypeScript, JavaScript, C++, SQL, HTML5, CSS3
AI and Agents	Gemini API, LangChain, RAG Architectures, Streamlit, Hugging Face, Autonomous Agents, Prompt Engineering
Frameworks and Web	Next.js, React, FastAPI, Flask, Tailwind CSS, Framer Motion, Node.js, REST APIs
Databases, Cloud and Tools	Supabase, SQLite, MongoDB, MySQL, Vercel, Docker, Git, GitHub, Postman