

MUHAMMAD AWAIS RAZA

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EDUCATION

University of Engineering and Technology (UET), Lahore | *BS Artificial Intelligence* 2025 – 2029
1st Semester CGPA: 3.865 / 4.00

EXPERIENCE

Independent AI App Developer | *Self-Directed / Build in Public* 2025 – Present

- Designed and shipped cross-platform AI applications, including a dual-model (Claude + Grok) Android chat assistant with end-to-end API integration.
- Built strong foundations in C, C++, Python, Object-Oriented Programming, and Data Structures & Algorithms (DSA) through consistent self-study and applied projects.
- Documented the build-in-public process across GitHub and LinkedIn, maintaining a personal portfolio site.

C++ Programming Intern | *CodeAlpha (Virtual Internship)* Jul 10 – Aug 10, 2025

- Completed 4 evaluated C++ tasks — a Banking System, CGPA Calculator, Login & Registration System, and Sudoku Solver — over a one-month internship, applying OOP, file handling, and algorithmic problem-solving.
- Delivered all tasks on schedule under internship review, translating requirements into working, tested C++ programs rather than self-paced practice alone.

Technical Writer | *Technical Writing (HU-221), UET Lahore*

- Authored a technical report, “AI in Software Development: Comparison with Traditional Manual Development,” supervised within the AI undergraduate program.

PROJECTS

Awais AI — Dual-Model AI Chat Assistant — *Android* | [View repo](#)

Why it matters: gives users one Android app to compare Claude and Grok responses instead of switching between two separate apps.

- Rapidly prototyped and configured an Ionic/Capacitor Android app (AI-assisted development) offering a ChatGPT-like experience with switchable Claude and Grok (xAI) API backends.
- Configured API key routing, authentication, and billing integration across both the Anthropic and xAI platforms.

Nexus AI Chatbot — Multi-User C++ Chat Application — *Academic Project, C++* | [View repo](#)

Why it matters: recreates the core of a real chat platform — auth, roles, admin controls, and live LLM inference — in plain C++ with no web framework.

- Built a role-based console application in C++ with separate User and Administrator login/registration flows, including a key-gated admin registration path.
- Implemented an Admin Panel with user management (list/delete users), system logs, system information, and global AI API key configuration.
- Integrated the Groq API (Llama 3.3 70B) for real-time AI chat, with persistent, timestamped conversation history and a command interface (/history, /clear, /exit).

AI Virtual Assistant — Voice-Enabled Web Assistant — *API Integration* | [View repo](#)

- Developed a browser-based AI assistant using HTML, CSS, and JavaScript with Puter.js for model access, supporting both voice and text input.
- Deployed live on GitHub Pages, learning the full Git push and Pages deployment workflow in the process.

Personal Portfolio Website — *codewithawais05.github.io/Portfolio* | [View repo](#)

- Designed and deployed a personal portfolio using HTML, CSS, and vanilla JavaScript, hosted on GitHub Pages, to showcase projects and build-in-public progress.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, JavaScript (basics), HTML, CSS

Frameworks: Android Studio, Ionic/Capacitor

Core Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), NumPy

AI / APIs: Anthropic Claude API, xAI Grok API, Groq API

Tools & Platforms: Git, GitHub, GitHub Pages