

Muhammad Waqar

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EDUCATION

University of Education, **Bachelor of Computer Science**

Aug 2023 - Aug 2027

Relevant Coursework: Programming Fundamentals, OOP, Data Structures & Algorithms, Networking

EXPERIENCE

Software Engineering Fellow @Headstarter AI

Aug 2024 - Sept. 2024

Built and deployed **5 AI projects** in **5 weeks** using React JS, Next.js, and Firebase, leading agile sprints and **CI/CD** practices for smooth iteration. Collaborated with **3 peers** to develop an interactive support agent using OpenAI and **Pinecone's RAG** pipeline, and built a SaaS flashcard product using **Llama 3.1 LLM** with custom pricing via Stripe API. Enhanced skills through 5 mock interviews, coding challenges on DSA and system design, and networking sessions with industry leaders from **Google, YC, and Amazon**, expanding both technical proficiency and professional connections.

PROJECTS

Reader's Club Disc. Site: Developed a fully functional readers' club discussion app from scratch in **3 days** during a hackathon with a **team of 3**, featuring a **discussion panel** for topic-based reader engagement, **Clerk** authentication, and an admin panel to manage **upcoming events** and **add/remove** books for discussion.

Admin Dashboard: Built a **data visualization** dashboard with **10 types** of interactive graphs using Syncfusion components, supporting advanced user management, customizable themes, tables, charts, calendar, and Kanban board for efficient data insights and management.

SKILLS

Technical: JavaScript, TypeScript, React.js, Next.js, Vercel, Express.js, MongoDB, Node.js, REST-APIs

Programming : C++, Data Structures & Algorithms, OOP, Competitive Programming

Tools: Git/GitHub, Clion, Webstrom, VS Code, Postman, Notion, Clerk

Soft Skills: Teamwork, Communication, Problem-Solving

Tech Community Engagement & Volunteering

Dev. Lead @GDGoC-UE: As Development Lead for my university's GDG chapter, I lead workshops, mentor peers, and drive collaborative projects, enhancing coding skills and promoting Google technologies within our tech community.

Volunteer @Devweekends: Guiding students in tech skills and career development as part of a dedicated mentorship team.

Competitions & Hacktathons

UE-Code-Quest (2nd Runner-up), **ElectroCon'24**(Advanced to Final Round), **Forman-Ignite**(in top-15)