Muhammad Ikram

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 Ikram

Full-Stack Developer with experience in building scalable web applications, REST APIs, and modern front-end interfaces. Skilled in JavaScript, with a passion for delivering efficient and user-friendly solutions.

Education

Sukkur IBA University, BS Computer Science   Oct 2021 – Aug 2025

- **Coursework:** Object Oriented Programming, Operating System, Data Science, Deep Learning, Business Intelligence, Data Structures and Algorithm, Computer Architecture, Design and Analysis of Algorithm, Web Engineering, HCI, Mobile Application Development.

Experience

Turing, Full Stack Developer   Remote, USA
                                                                        June 2023 – Aug 2024

- Led the development of scalable web applications, collaborating with cross-functional teams to deliver high-quality solutions.
- Designed and implemented backend systems using **Node.js, Express, and MongoDB**, ensuring secure and efficient data management.
- Built responsive and user-friendly interfaces with **React, HTML, and CSS**, improving usability and engagement.
- Integrated real-time features with **WebSockets** and **WebRTC**, enabling seamless communication and collaboration.
- Enhanced application functionality and performance using **Firebase**.
- Applied best practices in software architecture, performance optimization, and problem solving to consistently exceed client expectations.

Projects

Saas Learning Management System   Code

- Developed a scalable **SaaS-based LMS platform** using **Next.js**, enabling educators to create, manage, and deliver interactive online courses.
- Integrated **Vapi** for real-time voice and video communication, supporting live classes, group discussions, and virtual office hours.
- Implemented secure authentication and subscription billing with **Clerk**, managing access for students, instructors, and administrators.
- Leveraged **Supabase** for real-time synchronization and **Firebase** for push notifications, storage, and serverless functions.
- Built and optimized backend services with **Node.js** and **MongoDB** for course management, assessments, and progress tracking.
- Designed responsive dashboards and modern UI components using **React**, **Tailwind CSS**, and **Next.js API routes**.
- Monitored application performance and errors using **Sentry**, improving reliability and reducing downtime.

- **Tech Stack:** Next.js, Node.js, MongoDB, React, Tailwind CSS, Vapi, Clerk, Supabase, Firebase, Sentry, JavaScript

Fake News Detection System
- Developed a FNDS web app for user ease where the user can verify the news.
- Integrated Google Gemini on the back-end to enable the app to keep up-to-date and verify the latest news possible.
- Tools Used:**Reactjs, MongoDB, Expressjs, Nodejs, Google Gemini, Agentic AI**

Technologies

Languages: C++, Java, JavaScript, Learning **Rust** Currently

Technologies: Reactjs, Microsoft SQL Server, MongoDB, Nextjs, NPM, VAPI, Tailwind CSS, OpenAI, Firebase, Vercel, REST API, WebSockets, WebRTC, Generative AI