

Muhammad Hammad Irfan

Full Stack Developer | Node.js | React | Next.js | Supabase | AI Integration



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About

Full-stack developer with strong backend skills in Node.js, Express, and Supabase. Experienced in building AI-powered and data-driven applications. Skilled in end-to-end development, from requirements gathering and architecture to deployment. Comfortable working in fast-paced, remote environments and delivering production-ready solutions.

Education

❖ Bachelor of Science in Computer Science School of Electrical Engineering & Computer Science (SEecs), NUST	(Sep '23 – Present) Islamabad
❖ Intermediate (Pre-Engineering) Aspire College Faisalabad	(Sep'21 – June '23) Faisalabad, 87.5%

Experience

❖ AI & Software Developer (Industry Project) — SEecs, NUST	KidneyCare Clinical Assistant (Jun 2025 – Present)
<ul style="list-style-type: none">Built a clinical decision support system under the supervision of a senior SEecs instructor in collaboration with medical professionals.Implemented safe rule-based medical logic for nephrologists using real lab values (iPTH, calcium, phosphorus).Designed system to handle edge cases, missing labs, and generate safe treatment recommendations.Delivered a functional MVP used for real feedback from instructors and kidney specialists.	
❖ Web Developer Intern — AskUsSolution (Remote)	July 2024 – Aug 2024
<ul style="list-style-type: none">Worked as a remote web development intern focusing on frontend and backend fundamentals.Collaborated with the team on small-scale projects and improved understanding of React, Node.js, and Git-based workflows.Gained hands-on experience with REST APIs, UI development, and deployment basics.	

Projects

❖ UmeedLearn (Ongoing) – AI-powered community learning platform
<ul style="list-style-type: none">AI-powered learning platform connecting students with mentors.Document-based AI assistance using LangChain, Hugging Face, and Gemini.Used Supabase for auth, DB, and vector storage; automated scheduling workflows using n8n.
❖ EduSync – A Role-Based University Automation Platform
<ul style="list-style-type: none">Role-based automation platform for universities (scheduling, onboarding, invoicing).Reduced admin workload by automating repetitive operations using Next.js + Supabase.
❖ LingoMate – An AI-Powered Web Application
<ul style="list-style-type: none">AI conversational app for improving English fluency in real-time.Built with React.js, integrates speech-to-text, text-to-speech, and GPT-based responses.

Skills

❖ Programming Languages: JavaScript Python C C++ Java
❖ Backend: Node.js, Express.js, REST APIs
❖ Frontend: React.js, Next.js, Tailwind CSS
❖ Databases: PostgreSQL, MySQL, Supabase, MongoDB
❖ Cloud / Tools: Git, GitHub, Vercel, Firebase, Prisma ORM, AWS (Basic),
❖ Soft Skills: Communication, Requirement Analysis, Self-Motivated, Team Collaboration