

# 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

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

## Experience

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|--|---|
| ❖ AI & Software Developer (Industry Project) — SEECS, NUST   | KidneyCare Clinical Assistant<br>(Jun 2025 – Present) |
| • 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 ( <i>Remote</i> )   | July 2024 – Aug 2024                                  |
| • 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

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| ❖ UmeedLearn (Ongoing) – AI-powered community learning platform                             |  |
| • 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                                     |  |
| • 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   |  |
| • 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

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| ❖ 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 |