

Muhammad Hassan

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Summary

Results-driven Full-Stack Developer with **1+ year of professional experience** designing, developing, and deploying modern web applications. Skilled in creating responsive user interfaces with React.js, Next.js, and Tailwind CSS, and building secure, efficient backends using Node.js, Express.js, and NestJS. Experienced in real-time communication with Socket.IO, database design with MongoDB and MySQL, and deploying applications to cloud platforms. Adept at delivering scalable, user-focused solutions and mentoring others, with a strong commitment to clean, maintainable code and continuous learning. **Open to relocation for better opportunities.**

Technical Skills

Frontend: React.js, Next.js, Redux, Zustand, JavaScript, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, Nest.js, REST APIs, GraphQL, Socket.IO
Databases: MongoDB, MySQL, Firebase, PostgreSQL
Languages: JavaScript, TypeScript, Java, SQL, Python
AI Tools: GitHub Copilot, Google Gemini, Cursor AI
Tools: Git, VS Code, Postman
Cloud/Other: Vercel, Netlify, Render, Railway

Experience

- MERN Stack Developer** Sukkur
Exclusive Digitals Pvt. Ltd. May 2024 – Current
- Built and deployed 5+ full-stack web applications using React, Node.js, Express, and MongoDB.
 - Designed REST APIs with JWT authentication and improved database efficiency through optimized queries.
 - Worked closely with designers and stakeholders to deliver responsive and user-friendly interfaces.
- Web Development Trainer (Part-time)** Sukkur
PITP – Sukkur IBA University Jan 2025 – May 2025
- Delivered hands-on web development training to 100+ students, from basics to advanced topics.
 - Created a practical, project-based curriculum aligned with industry expectations.
 - Guided students through debugging, project deployment, and real-world coding practices.
- Intern – MERN Stack Development** Sukkur
Railfood Jan 2023 – June 2023
- Contributed to the development of a food ordering and delivery platform tailored for railway passengers.
 - Built responsive UIs with React.js and Tailwind CSS for order placement and tracking.
 - Assisted in backend API development using Node.js and Express.js.
 - Worked with MongoDB for storing orders, menus, and user profiles.

Projects

- Property Management System (MERN Stack)** 2025
- Developed a multi-role property management platform with dedicated portals for Landlords, Tenants, and Service Professionals.
 - Implemented features such as property listing, rent payment, and service request management.
 - Integrated **Stripe Payment Gateway** for secure online rent collection and transaction handling.
 - Ensured role-based authentication and authorization for secure access control.
 - Built using React.js, Node.js, Express.js, and MongoDB, deployed on cloud hosting platforms.

Real-time Chat Application (MERN + Socket.IO)

2025

- Built a chat platform with private/group chats, typing indicators, and message reactions.
- Integrated Socket.IO for instant messaging and maintained chat history in MongoDB.
- Deployed the application on Render with MongoDB Atlas as the cloud database.

AI Chatbot Assistant (MERN Stack + Gemini API)

2025

- Developed an intelligent chatbot application using the MERN Stack integrated with Google's Gemini API for natural language understanding and generation.
- Designed a React.js frontend with a clean, responsive chat interface and real-time message streaming.
- Built Node.js and Express.js backend to handle API requests, authentication.

OptiDiagnostics: Diabetic Retinopathy Detection

2024

- Final Year Project combining React frontend with Flask backend and deep learning models.
- Achieved 92% accuracy in classifying retinal images into five severity levels.
- Included DICOM image handling and a patient management dashboard.

Task Management Dashboard (MERN Stack)

2023

- Built a full-stack task management platform using React.js, Node.js, Express.js, and MongoDB.
- Implemented user authentication with JWT and role-based access control for secure project management.
- Designed REST APIs for task creation, assignment, and deadline tracking.
- Created a responsive interface for easy workflow organization.

Education

BS in Computer Science

Sep 2020 – Dec 2024

Sukkur IBA University

- Relevant Coursework: Data Structures, Web Development, Enterprise App Development, Algorithms, OOP, C++, AI, Machine Learning, Deep Learning, Computer Networks, Parallel Computing

Certifications

Essentials of React – LinkedIn Learning

Essentials of Express – LinkedIn Learning

Advanced JavaScript Concepts – LinkedIn Learning

MongoDB for Developers – MongoDB University

Languages

Urdu (Native), English (Professional), Sindhi (Basic)