

Muhammad Adan Ghuman

MERN Stack Developer (Full-Stack)

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MERN Stack Developer with 1+ years of hands-on experience and 7 months of professional experience building production-ready web and mobile applications using React, Node.js, Express, and MongoDB. Proven in designing secure authentication systems, role-based access control (RBAC), scalable REST APIs, and performance-optimized user interfaces.

Work Experience

MERN Stack Developer Intern Sep 2025 - Dec 2025

Systems Limited / Karachi

- Built production-grade React components with a strong focus on performance, accessibility, and maintainable architecture
- Designed and implemented REST APIs using Node.js and Express, ensuring clean data flow and predictable state management
- Collaborated remotely with designers and engineers in an agile, cross-functional environment

MERN Stack Developer Intern Apr 2025 - Jun 2025

FabTechSol / Sialkot

- Worked as a full-stack MERN developer delivering production features across React, Node.js, Express, and MongoDB
- Designed and implemented scalable REST APIs, handling authentication, authorization, and business logic
- Built and optimized React-based dashboards and workflows, focusing on performance and maintainable architecture

Projects

DreamSpace - AR-Enhanced Interior Designs (Mobile + Admin Panel)

Furniture eCommerce System with AR & Analytics

- Implemented secure authentication, role-based access control (RBAC), and protected admin workflows
- Designed scalable REST APIs using Node.js and Express, backed by MongoDB
- Built admin features including product management, order processing, analytics dashboards, and integrated AWS S3 for media storage
- Integrated AR product visualization and optimized frontend-backend data flow for performance

Echo-Mind

LLM-Powered Knowledge System

- Developed a Next.js full-stack application with LLM integration using LangChain
- Implemented RAG with pgvector for document-based answers and long-term memory
- Built scalable backend using TypeScript, Prisma, and PostgreSQL
- Implemented secure authentication and structured APIs

Anisons Tracking

Real-Time Workforce & GPS Tracking System

- Built a web admin panel and mobile technician app for real-time GPS tracking
- Implemented automated status detection (Active / Idle / Offline)
- Added performance and operational analytics dashboards
- Improved workforce visibility and accountability across field operations

Core Skills

Frontend: React, React Native, Next.js, Tailwind CSS, HTML5, CSS3

Backend: Node.js, Express.js, Prisma, REST APIs

Databases: MongoDB, Postgres

State Management: Redux Toolkit (RTK), Zustand

Cloud & Storage: AWS S3, Cloudinary

Tools: Git Version Control, Github, Postman

AI Tools: Claude Code, Github Copilot, Cursor

Education

University of Sialkot Dec 2021 - Aug 2025

Bachelors

GPA: 3.76/4.0