

Mohammed Fawzaan

📞 9676237158 ✉ fawzaanmd31@gmail.com 🔗 linkedin.com/in/mohammed-fawzaan
🐙 github.com/MohammedFawzaan 📄 leetcode.com/u/Mohammed_Fawzaan 🌐 fawzaan.in

Experience

Managix Technology

Software Development Intern

Dec 2025 – Present

Hyderabad, India (On-site)

- Building cross-platform mobile applications using React Native and a NestJS-based backend, implementing **modular architecture patterns** and **scalable microservices** for production-grade systems.
- Architected backend services using NestJS with **layered architecture**, enabling authentication flows and efficient database interactions through optimized query handling.
- Integrated **Elasticsearch** for high-performance full-text search, optimizing indexing strategies and query execution to enable low-latency retrieval, reducing search response time across large-scale datasets.
- Building a real-time **inventory and order management system** with ERP synchronization, ensuring accurate stock consistency across transactions, minimizing data mismatch issues.
- Managing production infrastructure on DigitalOcean VPS, configuring **Nginx reverse proxy** and deployment pipelines to ensure reliable deployments.

Projects

RideNow - Real-Time Ride Booking System | React.js, Node.js, Express.js, MongoDB, Socket.IO, Google Maps API | github

- Engineered a full-stack ride-booking platform with real-time Socket.IO communication, **4 Google Maps APIs**, and **18+ responsive screens** supporting end-to-end ride lifecycle management across dual user roles.
- Implemented a ride dispatch system with **5 km geospatial queries**, OTP verification, dynamic fare calculation across **3 vehicle types**, atomic ride acceptance and auto-cancellation within **60 seconds**.
- Designed a security-first authentication layer combining JWT HttpOnly cookies with Google OAuth 2.0 via Passport.js, hardened with Helmet.js and rate limiting, along with GPS-based live tracking featuring **debounced 4-second** distance and time recalculations and room-based coordinate streaming via Socket.IO.

AI Career Pilot - AI-Powered Career Guidance Platform | Next.js, Prisma, NeonDB, Clerk, Gemini API | live

- Built a full-stack AI career platform with an adaptive assessment engine using multi-layered branching logic that adapts to user experience level for career discovery, skill-gap analysis, and weighted role recommendations.
- Implemented AI-driven career path generation and personalized learning roadmaps based on identified skill gaps, and a location-aware internship search module using parallel API fetching to recommend local and remote opportunities.

PaperMind - AI-Powered PDF Chat with RAG Pipeline | Next.js, LangChain, Express.js, Qdrant, BullMQ, Gemini API | github

- Engineered a full-stack multi-user RAG pipeline using the Qdrant vector database and **Gemini Embeddings**, implementing metadata-based document isolation (userId + documentId filters) to ensure secure, per-user PDF retrieval with zero cross-user data leakage.
- Architected a scalable asynchronous **PDF ingestion pipeline** using BullMQ and Redis, integrating Google OAuth with stateless JWT authentication to deliver a secure, multi-user chat experience.

Technical Skills

Programming Languages: Python, Java, TypeScript, JavaScript

Frontend: React.js, Next.js, React Native, Zustand, Tailwind CSS

Backend: Node.js, Express.js, NestJS, Microservices, Socket.IO, Elasticsearch

Databases & ORMs: MySQL, PostgreSQL, MongoDB, Redis, Prisma, TypeORM

Gen AI: Gemini API, Claude SDK, LangChain, RAG, Vector Databases

DevOps: Docker, CI/CD, Git, GitHub Actions, Nginx, DigitalOcean

Problem Solving: Solved 230+ DSA problems on LeetCode

Education

Lords Institute of Engineering and Technology

Bachelor of Engineering in Computer Science (GPA: 8.67 / 10.00)

Nov 2022 – July 2026

Hyderabad, Telangana