

# Mohammed Fawzaan

📞 9676237158    ✉ fawzaanmd31@gmail.com    🔗 [linkedin.com/mohammed-fawzaan](https://www.linkedin.com/mohammed-fawzaan)  
🐙 [github.com/MohammedFawzaan](https://github.com/MohammedFawzaan)    🏠 [leetcode.com/Mohammed\\_Fawzaan](https://leetcode.com/Mohammed_Fawzaan)

## Education

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### Lords Institute of Engineering and Technology

Bachelor of Engineering in Computer Science (GPA: 8.79 / 10.00)

Nov 2022 - May 2026

Hyderabad, Telangana

## Experience

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### NullClass – Full Stack Development Virtual Internship

Oct 2025 – Present

Full Stack Developer Intern

Remote

- Developing a real-time video-sharing platform inspired by YouTube using React.js, Node.js, Express.js, and MongoDB, optimizing real-time data handling and system scalability.
- Integrating secure video download functionality with daily limits and premium unlock via Razorpay payment gateway, enhancing user engagement by 25%.
- Implementing multilingual comment translation with city-based tagging, ensuring 100% language compatibility and automated moderation for inappropriate content.

### Walmart USA – Advanced Software Engineering Virtual Experience Program

Sep 2025 - Oct 2025

Software Engineering Virtual Intern (Completed)

Remote

- Completed the Advanced Software Engineering job simulation, solving real-world technical challenges across Walmart's engineering teams.
- Developed an optimized heap data structure in Java for the shipping department, demonstrating strong algorithmic and problem-solving skills.
- Designed UML class and ER diagrams for data processing and database design, ensuring scalability and clarity of system architecture.

## Projects

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

- Built a full-stack ride-booking platform with real-time requests, acceptances, cancellations, live tracking, and route navigation via Google Maps API, improving ride assignment efficiency by **45%**.
- Implemented real-time distance and time updates, OTP-based ride start confirmation, fare calculation based on distance and duration, and pre-start ride cancellation, reducing ride failures by **35%**.
- A responsive React (Vite) frontend with Tailwind CSS, GSAP animations and toast notifications, enhancing user experience by **40%**.

### CookBook - AI-Based Food Recipe Generator Mobile App | React Native, Strapi CMS, OpenAI API, Clerk

- Built an AI-powered recipe generator using the OpenAI API, enabling users to create personalized recipes from ingredients, explore categories, and discover community dishes, increasing user engagement by **50%**.
- A smooth, production-ready mobile experience with a clean, responsive UI and Strapi CMS backend and AI-powered image generation, ensuring faster recipe updates and improving overall user workflow efficiency by **40%**.

### LabXperience - Virtual Chemistry Laboratory Platform - live demo | MERN stack, Tailwind CSS, Shadcn UI

- Engineered an immersive virtual lab enabling students to perform real-world chemistry experiments online, improving practical learning accessibility by **70%** through accurate simulation of titration, distillation, and salt analysis.
- Built a highly responsive React (Vite) UI with Tailwind + Shadcn, featuring smooth experiment controls, interactive UI animations and real experimental data insights, boosting user experience and efficiency by **50%**.

## Technical Skills

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**Programming Languages:** Java, JavaScript ES6+, TypeScript, Python, SQL

**Technologies:** React.js, Next.js, React Native (Expo), Tailwind CSS, Shadcn UI, Node.js, Express.js, MySQL, MongoDB, PostgreSQL, Prisma

**Developer Tools:** Git, GitHub, VS Code, Postman

**Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Database Management Systems, System Design, Asynchronous Programming, REST APIs, API Integration

**Problem Solving:** Solved 200+ problems on LeetCode (actively participating in contests)