

# MEHUL RAJ

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## Summary

Postgraduate student skilled in full-stack web development using the MERN stack and moving towards Next.js

## Projects

### Booking Platform | *React, WebSocket, Express, MongoDB, Stripe*

[GitHub](#) — LIVE

- Clone similar to Red Bus, where users can buy bus or train tickets.
- Booking Platform has been built over the MERN stack.
- Users can cancel a ticket or chat with a vendor, and authentication is based on OAuth email verification.
- Real-time updates, including notifications utilising WebSocket and payment through Stripe.
- Role-Based Moderation for better security.

### Helpdesk System | *React, Express, MongoDB, JWT*

[GitHub](#) — LIVE

- A helpdesk system which is used for handling technical and operational issue related to an organization.
- It is based on Role-Based Access Control(RBAC) model, each role has its own permissions.
- Web app is based on MERN stack for better user experience.
- Backend is based on Model View Control(MVC) structure.
- This app is only created for desktop site view and is not preferred for small screens.

### Expense Tracker | *React, Express, MongoDB, RESTful API*

[GitHub](#) — LIVE

- Web Application which will be used for managing and tracking expenses and income.
- Whole application is based on MERN stack for better user experience and interactions through charts.
- Context API is used for state management and Chart.js for visualization of income and expenses.
- Category filters and real-time updates for smooth user experience with responsive UI through TailwindCSS and client-side navigation through React Router.

## Technical Skills

**Languages:** C, JavaScript, Java

**Frontend:** HTML, CSS, JavaScript, React, Redux, TailwindCSS, EJS

**Database:** MySQL, NoSQL (MongoDB)

**Backend/Framework:** Node.js, Express

**Tools and Platforms:** Git, GitHub, Visual Studio Code, IntelliJ, Docker, Postman, Insomnia, Figma

**Others:** WebSockets, RESTful API, JWT, Mongoose, CORS, CRUD Operations

## Education

### Bachelor of Computer Application

Oct 2021 – 2024

Percentage: 75%

### Master of Computer Application

Sep 2024 – 2026

Pursuing

## Certifications

**WEB DEVELOPMENT** —Udemy

**Java** — IIT Bombay