

Mehul Raj

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Summary

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

Projects

Stack Underflow | React, WebSocket, Express, MongoDB, JWT | [GitHub](#) | [LIVE](#)

- Clone similar to Stack overflow where user can ask or answer a technical questions, like and comment on it.
- Stack Underflow is built over MERN stack.
- User can upvote/downvote and authentication is based on JWT and OAuth email verification.
- Real-Time updates like notifications and comments using WebSocket and Filtering and searching.
- Role Based Moderation for better security.

Helpdesk System | React, Express, MongoDB, WebSocket | [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.
- Redux is used for state management and websocket for real-time online status and tailwindCss is used for responsive UI.
- Backend is based on Model View Control(MVC) structure.

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

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|--|-----------------|
| • Bachelor of Computer Application (Percentage: 75%) | Oct 2021 – 2024 |
| • Master of Computer Application (Pursuing) | Sep 2024 – 2026 |

Certifications

- WEB DEVELOPMENT | [Udemy](#)
- Java | [IIT Bombay](#)