

# MUMMADI ADARSH CHARY

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## SKILLS & TECHNOLOGIES

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**Programming Languages:** Java, JavaScript, C, Python

**Frontend:** React.js, Redux, Zustand, HTML5, CSS3, Tailwind CSS

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

**Database:** MongoDB, MySQL

**Tools & Concepts:** Git, RESTful APIs, Web-Sockets, JWT, Socket.io, OOP, DSA, Agile, MVC

## PROJECTS

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**UberForBlood** — Full-Stack MERN Application | ( Team - Project ) May 2025 – Present

- Contributed in back end for implementation of mongodb schema's for blood requests, users and matching blood groups.
- Contributed to real-time map rendering for donors and seekers using WebSockets, with AI-assisted development - improved user interactivity by 40% through live location and information display.
- Implemented server side data validation using Joi & helped in achieving authentication using jwt.

**Hellow** — Real-Time Chat Application | [Live Demo](#) May 2025 – June 2025

- Built a real-time chat web application, enhancing global state efficiency by 30% using Zustand, which simplified state flow.
- Integrated Socket.io for real-time features like live user presence, instant message sync, and bidirectional communication.
- Implemented secure authentication with features like sign-up, active user display, and real-time chat.
- Added user-centric controls including message deletion, chat clearing for both users, and active user filtering, improving user experience and control.
- Utilized React Context API alongside Zustand to manage shared component-level state for better modularity and flexibility.
- Implemented infinite scroll with server-side pagination, loading users in batches instead of all at once, which reduced initial load time and improved app performance and scalability by 35%.
- Integrated OAuth 2.0 (Google Sign-In) for seamless user authentication, enhancing accessibility and reducing friction in the login process.

**Workout-Tracker** — Full Stack Project | [GitHub](#) Feb 2025

- The application features efficient CRUD operations with inline editing.
- Integrated JWT-based authentication and authorization to ensure secure user access and data protection.
- Migrated frontend from Vanilla JS to React & Redux, enhancing state management and scalability by over 40%.
- Additionally, leveraged Chart.js to provide visual insights into workout trends, enhancing the overall user experience and data analysis capabilities.

## EDUCATION

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**CMR Technical Campus** Hyderabad, Telangana

*B-Tech in Computer Science and Engineering; CGPA: 9.30*

2023 – 2027

**Teja's Jr. College**

*XII – MPC; Percentage: 73.6%*

Telangana

2021 – 2023

## ACHIEVEMENTS

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Solved 300+ coding problems on LeetCode, GeeksforGeeks, Codeforces, and HackerRank , enhancing problem-solving and algorithmic skills.

Participated in 5+ hackathons , developing real-world solutions under time constraints in collaborative team environments.

Top 10 ranker in 5+ coding contests organized by Smart Interviews program.

## COURSEWORK

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Data Structures & Algorithms, Object Oriented Programming, Database Management System, Operating Systems