

MUMMADI ADARSH CHARY

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SKILLS & TECHNOLOGIES

- **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

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 ETA display.
- Implemented server side data validation using Joi & helped in achieving authentication using jwt.
- Created user Profile react component ensuring responsiveness using tailwind css.

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 reduced re-renders and 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.
- Improved responsiveness and maintainability, ensuring smoother UI updates and scalable codebase
- Utilized React Context API alongside Zustand to manage shared component-level state for better modularity and flexibility

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

- **B-Tech CSE** | CMR Technical Campus, Hyderabad, Telangana CGPA: 9.47 | (2023 - 2027)
- **XII** | Teja's junior college, Telangana 73.6% | (2020 - 2022)

ACHIEVEMENTS

- **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

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