

# MUMMADI ADARSH CHARY

adarshchary.05@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | Hyderabad, India

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

## PROJECTS

---

- RakthSetu** — Full-Stack MERN Application | [GitHub](#) | [Live Demo](#) | (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 | [GitHub](#) | [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** 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

---

- CMR Technical Campus** Hyderabad, Telangana  
*B-Tech in Computer Science and Engineering; CGPA: 9.30* 2023 – 2027
- Teja's Jr. College** Telangana  
*XII – MPC; Percentage: 73.6%* 2021 – 2023

## ACHIEVEMENTS

---

Solved 300+ coding problems on platforms like 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 in college.**

## COURSEWORK

---

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