PARIHAR RITHIN RAJPOOT

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Education

- **B-Tech CSE** | CMR Technical Campus, Hyderabad, Telangana   *CGPA*: *9.58* | 2023 - 2027
- XII – MPC | Keshav Memorial jr. college, Hyderabad, Telangana   *CGPA*: *9.79* | 2021 - 2023

Experience

Full Stack Web Development Intern   June 2025 – Present

Future Interns · Remote · Part-time   *Hyderabad, Telangana, India*

- Built reusable frontend components using React.js and Redux Toolkit with unit testing via React Testing Library
- Developed and deployed full-stack features: **user authentication**, **CRUD operations**, **RESTful APIs**
- Used Git and Agile methodologies for collaborative development and sprint-based delivery

Projects

UberForBlood — *Real-Time Blood Donation App* | GitHub | Live Demo   May 2025 – Present

- Engineered a MERN-based platform for real-time donor-seeker interaction using Socket.io
- Implemented real-time notification system using Socket.io that reduced donor response time by 67%
- Engineered secure authentication system with JWT, HTTP-only cookies, and bcrypt (10 rounds) password hashing, resulting in zero security incidents
- Improved geolocation API response by ~80% via client-side caching
- Designed RESTful API with Express.js achieving 98% test coverage

Developer Portfolio — *My Personal Portfolio Website* | GitHub | Live Demo   April 2025 – May 2025

- Developed a responsive portfolio website using Next.js, TypeScript, and Tailwind CSS implementing best practices for performance optimization and SEO.
- Implemented advanced UI animations with Framer Motion, improving user engagement by 30%

Gup Shup — *Real-Time Chat Application* | GitHub | Live Demo   Mar 2025 – April 2025

- Built a full-stack real-time chat app using the MERN stack + Redux Toolkit.
- Used Web Sockets (Socket.io) for instant messaging with seamless two-way communication.
- Integrated JWT for secure login/auth and implemented 32+ themes for UI customization.
- Ensured full mobile responsiveness and used Tailwind CSS for modern UI design.

Achievements

- Solved 300+ DSA problems on LeetCode, GFG, Codeforces, Smart Interviews and HackerRank.
- Participated in 5+ hackathons, developing real-world solutions under time constraints in collaborative team environments.
- Secured 1st place in a C-language problem-solving competition on HackerEarth, conducted by CMR Technical Campus.
- Ranked Top 5 in 5+ contests hosted by Smart Interviews program.

Skills & Technologies

- Programming Languages   : Java, JavaScript, C, Python
- Frontend   : React.js, Next.js, Redux Toolkit, HTML5, CSS3, Tailwind CSS
- Backend   : Node.js, Express.js, Servlets & JSP
- Database   : MongoDB, MySQL
- Tools & Frameworks   : Git, GitHub, Socket.io, JWT, REST APIs, Postman
- Software Practices   : Agile, MVC Architecture, Testing, Version Control
- Concepts   : Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), REST APIs, Socket.io

Coursework

- Data Structures & Algorithms, Object Oriented Programming, Database Management System, Operating System, Computer Architecture and Organization.