

# RAHUL RAJ

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Frontend | Backend | Full Stack Development | DevOps enthusiast

## EDUCATION

Indian Institute of Information Technology (IIIT) Bhopal

Nov 2022 – Present

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Software Engineering

## PROFESSIONAL EXPERIENCE

Full Stack Intern — Reckline (Remote) Link

Dec 2024 – Feb 2025

- Engineered backend microservices (Node.js / Express) for a real-time betting platform; reduced game-state update latency by **30%** and sustained **5x** peak traffic through improved concurrency controls.
- Implemented role-based access control (RBAC) and automated point management for **10,000+** users, cutting manual reconciliation and fraud checks by automating validations and audit logs.
- Designed and normalized MongoDB schemas for transaction logs and live state; accelerated indexes and queries to improve read performance by **40%** and reduce storage by **20%**.

Software Developer Intern — Easy Byts Web Solution (Remote) Link

July 2024 – Aug 2024

- Built a MERN-stack real-time chat application using Socket.IO and JWT, supporting **100+** concurrent users with median message delivery latency **200ms**.
- Developed modular React components and a shared UI library, decreasing new feature implementation time by **25%**.
- Participated in Agile processes (bi-weekly sprints, code reviews, unit tests), which improved stability and reduced post-release defects by **30%**.
- Optimized REST endpoints and client rendering to reduce average API response time by **35%**, improving perceived UX on low-bandwidth devices.

## PROJECTS

AI Resume Builder — Intelligent Resume Generator

GitHub | Live Demo

Tech Stack: React, Node.js, Express, MongoDB, Tailwind CSS, Google Generative AI, html2pdf.js

July 2025

- Created a full-stack tool to generate ATS-compliant resumes with customizable templates and live previews; average generation time **<90s**.
- Integrated Google Generative AI to auto-suggest summaries and bullet points, reducing manual editing by **60%**.
- Established secure authentication and PDF export (html2pdf.js) with typical export time **<10s**, and added an analytics dashboard to track user engagement and adoption metrics.

Snap-Chat — Real-Time Messaging Platform

GitHub | Live Demo

Tech Stack: React, Node.js, Express, MongoDB, WebSocket, Socket.io

Aug 2024

- Developed a scalable chat platform using **Node.js** and **WebSockets**, accommodating **200+** concurrent users with persistent history and delivery acknowledgements featuring average latency of 200ms.
- Added admin controls and role hierarchies for up to **1,000** managed accounts; implemented moderation and reporting features.
- Modernized frontend rendering and session handling to reduce load and improve UX consistency across devices.

## SKILLS

- Programming Languages:** C++, C, Python, JavaScript, TypeScript
- Frontend:** React.js, Next.js, Redux, Tailwind CSS, Material UI, Chakra UI
- Backend:** Node.js, Express.js, RESTful APIs, Spring Boot
- Databases:** MongoDB, MySQL, Schema Design, Indexing
- DevOps & Tools:** Git, GitHub, Linux, AWS (EC2, S3), Docker (familiar)
- Fundamentals:** OOP, Algorithms, SQL, Computer Networks

## ACHIEVEMENTS

- Secured **43rd** place in the Code Rush contest by Codame / Algo University, demonstrating algorithmic skill and speed.
- Also contributed to **open-source** repositories and personal prototypes; submitted multiple pull requests and maintained deployed demos that received constructive user feedback.
- Solved 350+ algorithmic problems and raised **LeetCode** rating to **1743**, demonstrating strong problem-solving and data-structures & algorithms expertise (top 20% of active users). **Link**
- CodeChef** : Achieved a rating of **1766 (3 ★)** , showcasing strong analytical and critical thinking abilities. **Link**

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Executive Member — Aurnoday Cultural Club, IIIT Bhopal**  
Coordinated events with **300+** attendees, handling logistics, promotion, and on-site operations to increase participation.
- 2x Winner — Inter-Branch Basketball Tournament, IIIT Bhopal**  
Led and coached a **12-member** team to consecutive tournament wins; managed training and strategy.