

# Suraj Thammi

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[github.com/suraj719](https://github.com/suraj719) | LeetCode: 1680 | CodeChef: 1509 (Max ratings)

## SUMMARY

An aspiring software engineer with a strong foundation in data structures, algorithms, and full-stack development, proficient in building scalable and efficient software solutions. Passionate about problem solving, writing optimized code, and collaborating in fast-paced development environments.

## EDUCATION

**Bachelor of Technology in Computer Science and Engineering**

2022 – Present

CVR College of Engineering, Hyderabad, Telangana, India

CGPA: 8.97

## EXPERIENCE

**React.js Development Intern**, thegoodgametheory

Nov 2023 – March 2024

- Developed a dynamic quiz-enabled presentation platform using **React.js**, **TypeScript**, and **Styled Components**; built 20+ reusable UI components and integrated **Storybook** for isolated visual testing and documentation.
- Built a **JSON**-based layout system to store and render interactive slide elements in real time using **Firebase Firestore**, and collaborated with a team of 4 to integrate an AI-powered slide generation feature.

## PROJECTS

**Women Safety & Emergency Assistance App**

[github.com/suraj719/sakhi](https://github.com/suraj719/sakhi)

- Developed a Women Safety App using **Next.js**, **Tailwind CSS**, **shadcn**, and **Google Maps API**, offering 5+ features such as real-time messaging, secure place marking, travel buddy, call simulator, and community based support; achieving 95% positive feedback on usability and safety impact.
- Integrated **Next.js Server Actions** with **MongoDB** for efficient data handling, implemented **JWT**-based authentication, and connected **Twilio API** to send emergency alerts within 3 seconds; deployed a fine-tuned **Gemini AI chatbot** to provide legal aid.

**Interactive Learning & Assessment Platform**

[github.com/suraj719/eduWave](https://github.com/suraj719/eduWave)

- Developed a full-stack EdTech platform using **React.js** and **Tailwind CSS**, integrating **HTML Canvas** for real-time whiteboard collaboration; improves quiz participation by 70% with interactive UI and gamified leaderboards.
- Built a robust back-end with **Node.js**, **Express.js**, and **MongoDB**, implementing **JWT**-based authentication and **WebRTC** for secure video conferencing with <500ms latency, enabling smooth classroom experiences for 100+ sessions.

**Disaster Management & Emergency Response System**

[github.com/suraj719/helpEZ](https://github.com/suraj719/helpEZ)

- Developed a cross-platform disaster management system with a **React Native** mobile app for real-time tracking, request handling, and resource allocation, and a **React.js** admin dashboard for centralized monitoring and task management.
- Integrated **Firebase Firestore** for real-time NoSQL data synchronization, **Firebase Storage** for media handling, and role-based authentication; used **Mistral AI** to provide 90% accurate incident-specific recommended actions and safety measures.

## ACHIEVEMENTS

- Achieved a global rank of **105** in **TCS CodeVita Season 12**, demonstrating strong algorithmic thinking and problem solving skills.
- Won **1st place** out of 150+ members for developing **Sakhi** at the **Google Solution Challenge** by GDG, CVRCOE.
- Secured **1st place** among 270+ developers for building **eduWave** at **EPITOME'24 Hackathon** by SDC, GRIET.
- Achieved **1st place** among 50+ teams for creating **Syntaxity** at **Webathon** organized by Cybernauts Club, CVRCOE.
- Won **2nd place** among 250+ participants for developing **TrippZy** at **Vivitsu 2024 Hackathon** by FSW, GRIET.
- Received an **Honorable Mention** from AWS by showcasing the project **InnerSerenity** at the **Fantom Hackathon Q2 2023**.

## SKILLS

**Languages:** C, Java, JavaScript, Typescript, Python, SQL, Markdown

**CS Fundamentals:** Object-Oriented Programming, Problem Solving, Complexity Analysis, Networking, Operating Systems

**Web Technologies:** HTML, CSS, React.js, Next.js, Node.js, Express.js, TailwindCSS, Socket.io, WebRTC, Firebase

**Databases:** MongoDB, MySQL, PostgreSQL, Redis, Prisma ORM, Amazon DynamoDB

**Others:** React Native, Linux, Git, GitHub, Amazon Web Services, Google Cloud Platform, Docker, Figma