

SURAJ THAMMI

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SUMMARY

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

B.Tech in Computer Science and engineering

CVR COLLEGE OF ENGINEERING · Hyderabad, Telangana, IN · 2022 – 2026 · 8.97 CGPA

EXPERIENCE

NodeJs Development Intern

thegoodgametheory

November 2023 – March 2024, Remote

- Built an interactive quiz-enabled presentation tool using **React.js** and **TypeScript**, utilizing **Styled Components** for theming and **Storybook** for UI testing.
- Integrated **Firebase Firestore** for real-time data sync, optimizing indexed queries, structuring data efficiently, and enforcing security rules.

PROJECTS

Women Safety & Emergency Assistance App

github.com/suraj719/sakhi · February 2025 – Present

- Developed a Women Safety App using **Next.js**, **Tailwind CSS**, **shadcn**, and **Google Maps API**, enabling real-time geofencing, secure place marking, travel buddy coordination, live route tracking, and incident reporting, ensuring enhanced safety and accessibility with an intuitive **UI/UX**.
- Implemented **Next.js Server Actions** for backend logic, utilizing **MongoDB** for data storage, **JWT**-based authentication for secure access, **Twilio API** for emergency alerts, and a **fine-tuned Gemini AI** chatbot for legal aid and safety guidance.

Disaster Management & Emergency Response System

github.com/suraj719/helpEZ · June 2024 – July 2024

- Developed a **cross-platform** disaster management system with **React Native** mobile app for real-time tracking and resource allocation, implementing **Firebase Firestore** for **NoSQL** data synchronization and a **React.js** admin dashboard for centralized and faster incident monitoring.
- Integrated **Firebase** for media handling, **role-based authentication**, and leveraged **Mistral AI** to generate personalised responses.

Interactive Learning & Assessment Platform

github.com/suraj719/eduWave · February 2024 – March 2024

- Developed a full-stack EdTech platform using **React.js** for an interactive UI and **Tailwind CSS** for a responsive design, integrating **HTML Canvas** for a collaborative whiteboard, enhancing student engagement with leaderboards, quizzes, resource sharing, and task management.
- Built a secure backend with **Node.js**, **Express.js**, and **MongoDB**, implementing **JWT authentication** for access control and **WebRTC** for video conferencing.

Real-Time Collaborative Code Editor

github.com/suraj719/syntexity · February 2024 – March 2024

- Developed a real-time collaborative code editor using **React.js**, **CodeMirror**, and **Tailwind CSS**, integrating editor state management, conflict resolution mechanisms, multi-language support, **JDoodle API** for remote code execution, and **customizable themes** for an optimized developer experience.
- Integrated **Socket.io** for low-latency collaboration, **WebRTC** for in-app communication, and **D3.js** for visualizing contribution to enhance team workflows.

SKILLS

Java, C, Html, CSS, JavaScript, Typescript, TailwindCSS, React.js, Node.js, Express.js, Next.js, MongoDB, MySQL, Git and Github, Firebase, React Native

ACHIEVEMENTS

Google Solution Challenge

GDGC, CVR COE · Jan 28–29, 2025

- Won **1st place** among 50+ teams for developing **Sakhi**, a mobile application enhancing women's safety, security, and empowerment at all times.

EPITOME'24 Hackathon

GSDC, GRIET · Feb 21–22, 2024

- Secured **1st place** among 270+ participants for developing **eduWave**, a platform that enhances interactive learning, , teacher and student engagement.

VIVITSU 2024 Hackathon

FSW, GRIET · April 20–21, 2024

- Won **2nd place** among 250+ teams for developing **Trippzy**, a travel comapnion that provides personalized itineraries, parking solutions, and travel tools.

Fantom Hackathon Q2 2023

Fantom Foundation · May–July, 2023

- Received an **Honorable Mention from AWS** for developing **InnerSerenity**, a DApp promoting secure, personalized mental health support and well-being.