

# Mahi Singh

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## EDUCATION

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**Visvesvaraya Technological University (CGPA : 9.00)**

Bengaluru, Karnataka

*JSS Academy Of Technical Education Karnataka*

*Aug 2023 – July 2027*

**Brio Poddar International School**

Kalyan, Mumbai

*Senior Secondary School Certificate*

*April. 2020 – February 2022*

## PROJECTS

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**Samvaad** | *ReactJS, Tailwind, Node.js, Express, MongoDB*

November 2024

- Developed Samvaad, a real-time platform with **instant messaging, media sharing**, and user presence using **React, Node.js**, and **MongoDB**.
- Implemented **Socket.IO** for real-time communication and ensured full responsiveness with Tailwind CSS.
- Integrated user profile customization and theme options for an enhanced user experience.
- Incorporated **JWT authentication** in the backend for secure user login and data protection, enabling token-based authentication to prevent unauthorized access, hence ensuring robust user privacy and secure communication.
- Samvaad currently has a growing user base of over **50** active users who engage in conversations and exchange messages and images seamlessly.

**CodeBaba** | *ReactJS, Tailwind, NodeJS, PrismJS Express, Gemini API*

November 2024

- Built an **AI-powered** code editor using **React** and **Express** that reviews code, detects errors, and provides real-time suggestions.
- Integrated **Google Gemini API** to analyze code and highlight incorrect lines with tailored feedback
- Utilized **react-simple-code-editor** and **PrismJS** for syntax highlighting and interactive editing.
- Designed a responsive and intuitive interface with **Tailwind CSS**, ensuring a seamless user experience.

## TECHNICAL SKILLS

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**Languages:** C++, Python, Java, HTML/CSS, JavaScript

**Frontend Technologies:** React.js, Tailwind CSS, Zustand, Material-UI

**Backend & Database:** Node.js, Express.js, MongoDB, Mongoose, Firebase

**Real Time & Authentication:** Socket.IO, WebSockets, JWT, OAuth

## ACHIEVEMENTS

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- Max **CodeChef** Rating - 1827 (4\*)
- Max **Codeforces** Rating - 1402 (Specialist)
- Max. **Leetcode** Rating - 1692
- Achieved a global rank of 160 among 20337 participants in Codechef Starters 164 (Division-2)
- Achieved a global rank of 1972 among 22079 participants in Codeforces Round 967 (Div. 2)
- As the team lead, my team developed a women's safety app and secured the **Runner-Up** position at the IMPULSE Hackathon, the flagship event of SJBIT's Annual Techfest, competing against 198 teams.
- My team secured the **Runner-up** position at HackAthena-2025, the national-level flagship hackathon of Jyothy Engineering College, competing against a pool of 1,259 registered teams.
- My team secured the **first** position in the TOPCODERS-DSA competition sponsored by e-BOX at JSSATE, competing against 514 students, where I served as the team lead.