

Kabir Sattyani

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<https://github.com/kabirrrrz>

Education

Vellore Institute of Technology (VIT), Bhopal BTech in Computer Science and Engineering	2022-2026
High School - Sri Chaitanya Junior College Hyderabad	2021-2022 Percentage: 96%
Secondary School – School Of Scholars Wardha	2019-2020 Percentage: 90.4%

Projects

Carbon Footprint Calculation Website July 2023 – Sep 2023

- Developed a web-based Carbon Footprint Calculator with a React UI and Python backend for accurate emissions estimation.
- Implemented a user-friendly data collection system to generate personalized reports with actionable insights.
- Provided custom sustainability recommendations to help users reduce their carbon footprint.

Vision speak Feb 2024 – May 2024

- Built an AI-driven text-to-speech system that converts both text and images into natural, expressive speech for enhanced accessibility.
- Implemented OCR for accurate text extraction from images and utilized the SpeechSynthesisUtterance API for real-time audio output.
- Optimized speech clarity and responsiveness, ensuring a seamless and user-friendly experience for visually impaired users.

Water Monitoring System Feb 2025-Ongoing

- Created a web application for real-time data visualization and control, enabling users to track usage trends and receive alerts.
- Integrated automated notifications for critical levels, enhancing proactive water resource management.
- Developed an IoT-based water level monitoring system using an HC-SR04 ultrasonic sensor and microcontroller, achieving 98% accuracy in detection.

Certifications

- Cloud Computing Silver Certification - NPTEL
- DevOps Certification-IBM
- Full Stack Web Development-Udemy
- Marketing Analytics Silver Certification – NPTEL
- DevOps Agile Methodologies Certificate-IBM

Achievements and Extracurricular Activities

- Worked as software Intern at Comorin Consulting Services, Bangalore.
 - Top 15 in club chess competition.
 - Won school level Football Tournament.
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Technical skills: C++, Python, JavaScript, CSS, HTML, SQL, Git, React.js, Node.js.

Languages: Hindi, English, Marathi and Japanese.