

Kabir Sattyani

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<https://github.com/kabirrrrz>

Education

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

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- Cloud Computing Silver Certification - NPTEL
 - DevOps Certification-IBM
 - Full Stack Web Development-Udemy

Achievements and Extracurricular Activities

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- Worked as Web Developer Intern at Comorin Consulting Services, Bangalore.
 - Top 15 in club chess competition.
 - Won school level Football Tournament.
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Technical skills: Java, C++, Python, JavaScript, CSS, HTML, SQL, Git, Reactjs, Nodejs.

Languages: Fluent in Hindi, English, Conversational Proficiency in Marathi.