

Harshika Sharma

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Education

Bachelor Of Technology - Computer Science, <i>Vellore Institute Of Technology - Bhopal</i>	2023 – 2027 CGPA - 9.18
Senior Secondary, Sophia Senior Secondary School	2021 – 2022 88.2%
Secondary, Sophia Senior Secondary School	2019 – 2020 93.2%

Skills

Technical Skills

- Frontend Development: React.js, React Native, HTML, CSS, JavaScript
- UI/UX Design: Figma, Responsive Web Design
- Programming: C++, Java, Python
- Mobile App Development: React Native (in progress) - Tools & Tech: Git, Firebase - CS
- Fundamentals: DBMS, OOPs

Foreign Language

Japanese

Projects

Sahaay – Crisis Support & Lost-and-Found Web App

Tech Stack: HTML, CSS, JavaScript, Flask, SQLite

Built a responsive humanitarian aid platform to help civilians during crises. Features include:

- **Lost & Found** system to report and find missing individuals with image-based cards
- **Multi-language support** (Indian languages) using a dynamic JS-based switcher
- **Stress relief tools** like calming music and games
- Clean, mobile-friendly UI with future plans for live aid location mapping

Donarlink:ML,HTML,CSS,JS,React.js

- Developed a **fingerprint-based blood group detection system** to simplify blood donation.
- Used **React.js** to build a dynamic and responsive front-end with clear navigation and minimal user steps for registration and donation.
- Utilized **biometric recognition** to identify blood groups with accuracy.
- Implemented a **donor tracking system** to monitor contributions and lives saved.
- Designed a **secure database** to store donor and recipient information.
- Established a **donation policy**, ensuring blood replenishment through recipient family contributions.

Bhoomijal:HTML,CSS,JS

- Developed **Bhoomijal**, a system for **groundwater monitoring and conservation**.
- Implemented **real-time data analysis** to track water levels and depletion trends.
- Designed a **user-friendly interface** for easy access to groundwater insights.
- Focused on **sustainable water management** through data-driven solutions.

Certificates

- Python Programming
- Java Programming
- Fundamentals of AIML
- NPTEL Machine Learning
- OOPS IN C++

Awards

Health Hackathon

Organised by Vit Bhopal & John Hopkins University

- Reached Final stage

Cyber Security Hackathon, *Organised by Madhya Pradesh Police*

- Secured third position

Codeverse Hackathon

Selected in the **top 50 teams out of 250+** for presenting *Sahaay*, a crisis-support platform helping civilians access aid and reconnect with loved ones during emergencies.

Additional Highlights

- Strong problem-solving and analytical skills.
- Excellent communication; experience in technical writing and team presentations.
- Currently pursuing Engineering and actively contributing to team-based tech projects

Role: Founder & Mentor | **Platform:** Telegram Inspired by securing an **S Grade** in Mathematics, I founded *CalCrack* to support students with backlog (supply) subjects.

- Created and shared self-prepared notes and concept videos to help students lacking resources or guidance
- Focused on simplifying tough topics and boosting confidence in struggling learners
- Built a growing, supportive Telegram community to help students pass and stay motivated