URJA SAHA

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CAREER SUMMARY

Currently working with software development technologies such as SQL, HTML, CSS, Java and C++. Bringing a diverse skill set and a background in electronics to tackle new challenges and contribute effectively to software projects.

EDUCATION

Sardar Patel Institute of Technology — Andheri, India
Bachelor of Technology in Electronics and Telecommunication — *2023-2026*
- CGPA - 7.8

Vivekanand Education Society's Polytechnic — Chembur, India
Diploma in Electrical Engineering — *2020-2023*
- First Class distinction with 88.56 aggregate percentage

Meridian School — Kalyan, India
ICSE — *2010-2020*
- Achieved a 92.17 percentage in 10th grade.

PROJECTS

SwiftClaim – AI & Blockchain-Powered Insurance Claim Automation
Developer — *March, 2025*
- Built a SaaS platform enabling insurers and policyholders to automate claim settlements using AI and blockchain.
- Deployed Solidity smart contracts via Hardhat for secure, transparent claim processing; integrated UPI for real-time payouts.
- Developed using React (frontend), Node.js (backend), and ABDM APIs to fetch verified hospital records for instant validation.

IoT-Integrated Mining Safety System
Project Lead — *Jan 2024 - May 2024*
- Led a team in the development of advanced wearable electronics to improve safety standards in mining operations.
- Incorporated a GPS module for real-time tracking of the mining workers' locations.
- Leveraged LoRa technology for long-distance data transmission to a central monitoring station.
- Technologies used: ESP32 microcontroller, ultrasonic sensors, temperature/humidity sensors, air quality sensors, GPS module, LoRa technology, Arduino IDE.

POSITION OF RESPONSIBILITY

Women in Engineering-IEEE SPIT
Chairperson — *2024-2025*
- Orchestrated Women's Week 2025, a 5-day flagship event impacting 500+ students, featuring a women-only hackathon, gynac session, cultural show, and women-led stalls to celebrate and empower women in STEM.
- Launched a menstrual hygiene drive, distributing 400+ pads and introducing a period pain simulator for awareness.
- Conducted a Marks & Spencer bra fit seminar promoting body awareness and confidence among young women.
- Organized technical workshops including DSA bootcamps and communication skill sessions to upskill students.
- Held a faculty appreciation event to celebrate women mentors in academia.
- Managed a 25+ member team, overseeing event planning, sponsorship, and execution.

SKILLS

- **Data Engineering** - SQL, MySQL, MongoDB
- **Programming languages** - Java, HTML, CSS, C++, Python, Assembly (ALP), Javascript
- **Development Tools** - Git, GitHub, VS Code, IntelliJ
- **Design & Simulation Tools** - MATLAB, AutoCAD, SolidWorks, Proteus 8, MS Office Suite

ACHIEVEMENTS

AlgoForge Hackathon
1st Winner — *March 2025*
- Built "SwiftClaim," an AI and blockchain-powered health insurance claim automation platform and received a cash prize of 25,000 at KJ Somaiya Institute of Technology.

Sphurthi
Player of the Tournament — *May 2023*
- For top performance across multiple indoor and outdoor sports in Annual Sports Event of VES Polytechnic.