

SUBHENDU DASH

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EDUCATION

Vellore Institute of Technology

B.Tech - Electrical and Electronics Engineering, CGPA - 8.73

Sept. 2020 - July 2024

Chennai, India

EXPERIENCE

School of Computer Science and Engineering, VIT Chennai

Full Stack Developer Intern

May 2022 - July 2022

Chennai, India

- Contributed to a consultancy project with professors to develop a MOOC platform.
- Designed and implemented drag and drop functionality using ReactJS for the examination platform.
- Developed a REST API with django REST framework to store answers in a MySQL database.

GirlScript Winter of Contributing

Open Source Contributor

Aug 2021 - Dec 2021

India

- Contributed to extensive documentation for GirlScript's JavaScript tutorials, part of the world's largest multi-lingual content repository accessible to all.
- Awarded the position of the third biggest contributor in the country.
- Wrote articles on Bootstrap, Material UI, Svelte and JavaScript fundamentals.

POSITIONS OF RESPONSIBILITY

Hack Club, VIT Chennai

Head of Web Development Department

Nov 2020 - July 2023

Chennai, India

- Led the web development department, overseeing the design of front-end websites for club events and hackathons.
- Conducted interviews to select and onboard talented individuals for the web development team.
- Organized and coordinated a successful CTF event, *HackQuest*, with participation from over 50 individuals.

TechnoVIT

Marketing and Sponsorship Head

Sept 2022

Chennai, India

- Headed the marketing team, successfully promoting **17** events organized by the electrical department.
- Orchestrated sponsorship efforts, establishing partnerships with multiple electrical and IT companies to secure event funding.
- Coordinated the highly attended Game Parlour gaming event, attracting participation from over **100** students.

PROJECTS

Smart Surgical Desk — [Source Code](#)

Python, NodeJS, Embedded-C

- Created a remote surgical desk prototype using Arduino, servo motors, and hand gestures for intuitive control.
- Developed a Python application with mediapipe for accurate hand gesture detection and interpretation, and implemented a seamless REST API with expressJS for communication between Arduino and the application.

Numerical Methods Calculator — [Source Code](#), [Website](#)

ReactJS, math.js, CSS

- Developed a ReactJS website showcasing iterative methods like Gauss-Seidel and Newton-Raphson up to 100 iterations.
- Utilized the math.js library to implement JS algorithms for approximating solutions to a range of equations.

SKILLS

Programming Languages:

C/C++, Python, NodeJS, R, HTML/CSS

Frameworks:

ReactJS/NextJS, Flask, FastAPI, Django

Databases and developer tools:

MySQL, PostgreSQL, Supabase, Appwrite; git, GitHub, GitHub Workflows

Soft Skills:

Leadership, Team Management, Communication, Critical Thinking