

# SUBHENDU DASH

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[Email](#) ◇ [LinkedIn](#) ◇ [Website](#) ◇ [GitHub](#)

## EDUCATION

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### Vellore Institute of Technology

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

Sept. 2020 - July 2024

*Chennai, India*

## EXPERIENCE

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### 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

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### 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

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### 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 & INTERESTS

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### 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

### Interests:

Sketching, Solving Rubik's cube