

Sam Niran B

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[Github](#) | [Linkedin](#)

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY-CHENNAI

Bachelor of Technology in Electrical and Electronics Engineering
CGPA :8.84

Chennai, India
Expected May 2025

BMC MATRIC HR SEC SCHOOL

Higher Secondary Education
Percentage: 94.99 %

Tuticorin, India
Jun 2020- May 2021

SKILLS

- **Programming Languages** : Python(Intermediate), Javascript(Beginner), Java(Beginner)
- **Data Visualization** : Excel, PowerBI
- **Version Control and IDE** : Github, Visual Studio Code, Arduino
- **Course Work** : Embedded Systems, Internet Of Things, Power Electronics
- **Frontend knowledge** : HTML, Cascading Style Sheet, Bootstrap
- **Soft Skills** : Project Management, Teamwork, Time Management, Leadership

PROJECTS

Automated Relay Control System Using Webcam for Empty Classroom Detection

- IoT Developed an automated relay control system using a webcam and SVC classifier to detect and turn off power in empty classrooms.
(Skills : Arduino, Python)

Lift Lobby Crowd Detection

- Detects the elevator with fewer people waiting to board and displays it on a webpage for efficient boarding.
(Skills : Thingspeak, Python, Opencv, Html, Css, Javascript)

Power Quality Analysis

- Designed a Matlab simulation file for detecting voltage sag and correcting it using a DVR.
(Skills : Matlab)

Printed Circuit Board

- Fabricated a PCB for DC-DC boost Converter
(Skills : Power Electronics, PCB Design)

WORK EXPERIENCE

GRAPHIC DESIGNER | CYSCOM CHAPTER

April 2023 - May 2024

- Worked on designing posts and banners
- Explored tools like Canva, Adobe photoshop, Adobe Illustrator

ACHIEVEMENTS

- Meritorious Award for securing seventh rank in the academic year 2022

CERTIFICATIONS

- AWS Cloud Practitioner (Amazon Web Services)
- Industrial Applications of Microcontroller (L&T Edutech)
- Problem Solving using Python (University of Texas, Dallas)
- Analysing Data Using Microsoft PowerBI (Cogtis Technologies Pvt Ltd)
- Full Stack Web Development(Devtown)