

LAKSHMANAN S

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LAKSHMAN1410

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ABOUT

Motivated and enthusiastic ECE student with a solid foundation in web development and Python DSA. Gained strong expertise in image processing through a project at NIOT with hands-on experience in real-time applications. Known for innovative thinking and proactive problem-solving skills in the software field. Dedicated to contributing effectively in both IT and ECE domains.

EDUCATION

- Madras Institute of Technology, Anna University, Chennai** 2023 – 2026
B.E. Electronics and Communication Engineering CGPA:6.9 (Till 6th Semester)
- Arulmigu Senthilandavar Polytechnic College, Tenkasi** 2019 – 2022
Electronics and Communication Engineering Percentage: 96

WORK EXPERIENCE

- Saint-Gobain Glass India Pvt. Ltd - Apprentice Trainee** July 2022 – July 2023
Windows Plant / Execution and Lamination Division, Chennai, Tamil Nadu
 - Worked as a Line Controller and Quality Checker for window frame production.
 - Monitored and managed production line flow to ensure smooth and timely operations.
 - Conducted quality inspection of laminated window frames and durability standards.

INTERNSHIP EXPERIENCE

- National Institute of Ocean Technology (NIOT)** June 2024 – July 2024
Project Intern - Computational Infrastructure Group, NIOT chennai, Tamil Nadu
 - **Contribution**- Developed a real-time application for transmitting and receiving image frames..
 - **Skills Gained**- Gained hands-on experience in image processing and communication systems.

PROJECTS

- Electrostatic Detector using Arduino** Nov 2024
Python, Arduino Uno, Sensors, LCD, Buzzer
 - A real-time electrostatic detection system was designed using an Arduino microcontroller. Static electric charges are detected using a capacitive sensor, and alerts are provided through an LED and an LCD display. The system helps improve safety and prevents ESD damage in sensitive electronic environments.
- Electronic Voting Machine (EVM) using Arduino** Dec 2023
python, Arduino Uno, Push Buttons, LCD Display, Buzzer
 - An electronic voting machine was developed using an Arduino microcontroller. Votes are cast using push buttons, and results are displayed on an LCD screen. The system prevents double voting and ensures accurate vote counting, making it suitable for small-scale elections.
- COVID Patient Health Monitor in Quarantine** Jan 2022 - Jun 2022
Arduino, Heartbeat Sensor, Temperature Sensor, BP Sensor, Python, Buzzer
 - The system monitors heartbeat, temperature, and blood pressure using Arduino and sensors. Python processes the data in real time, and a buzzer alerts when readings are abnormal. It helps monitor patients remotely and ensures timely medical response.

SKILLS

Technical Skills: Python, HTML, CSS, MATLAB, Figma, JavaScript, Problem Solving, Software development,
Soft Skills: Leadership, Communication, Management, Critical Thinking, Teamwork, Collaboration, Focus.

EXTRA CURRICULAR

- Languages:** Tamil , English ,
- Certifications:** NPTEL IOT Course Completed, EEA Electrofocus, Life skill And Professional Development (MAHIRA TRAINING.CENTRE), Type writing,
- Interests:** Problem Solving in gfg and leetcode , Club Activities Such as NSO