SUVEDHA B

Contact

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Ⓖ https://www.geeksforgeeks.org/user/suvedhe581/

TECHNICAL SKILLS

- Python
- C
- HTML
- ADS Software
- Image processing
- Tinkercad

SOFT SKILLS

- Communication and teamwork
- Adaptability & Curiosity
- Creativity
- Time Management & Discipline

Career Objective

To pursue a challenging career in core Electronics and Communication Engineering, with a focus on contributing to leading core companies or public sector units (PSUs), while continuously enhancing my technical expertise and professional skills.

Education

- **B. E. Electronics and Communication Engineering** — 2023-2027 CGPA-8.85 (Till 4th semester)
  Velammal college of Engineering and Technology. Madurai.

- **HSC – ISC** — 2022-2023 81.2%
  Vikaasa School. Madurai.

- **SSLC – ICSE** — 2020-2021 92.5%
  Vikaasa School. Madurai.

Experience

Industrial Training, Machine Learning and Image Processing, Madurai
  Completed a two-month training (Sep–Oct 2024) on crop detection and prediction using various ML algorithms, evaluated efficiencies with multiple datasets, and gained hands-on exposure to image processing tools in Jupyter.

Intern, Airports Authority of India (AAI), Madurai Airport
  Completed a two-week internship (Jun 2–13, 2024) learning the principles of aircraft landing and takeoff, along with exposure to CNS equipment relevant to Electronics and Communication Engineering.

Intern, Thiagarajar College of Engineering, Madurai
  Completed a two-week internship on Wireless Communications, covering ECE domains, fundamentals of wireless systems, and simulation of a Low Noise Amplifier (LNA).

AREAS OF INTEREST

- IoT & Embedded Systems
- Circuit Design
- Image Processing

CERTIFICATIONS

- MATLAB Onramp – MathWorks
- Beginner Cyber Security – TATA Strive & Microsoft
- Problem Solving through Programming in C – NPTEL (Silver Elite)
- Sensor Technologies: Physics, Fabrications & Circuits – NPTEL (Elite)
- Joy of Computing using Python – NPTEL (Silver Elite)

TOOLS

- Google Colab
- Jupyter Notebook
- MATLAB
- Arduino IDE
- VS Code
- LTspice

EXTRA CURRICULAR ACTIVITIES

- Actively participated in multiple events, workshops, and training programs
- Enthusiastic about exploring various competitions and opportunities
- Yet to publish a research paper & filed a patent

HOBBIES

- Gardening
- Listening to music
- Gift making
- Painting

LANGUAGES KNOWN

- ENGLISH
- TAMIL

PROJECTS

- **Smart Parking and Safety Monitoring System (2025)**

Developed a smart parking system that monitors slot availability and displays real-time information. Integrated fire and gas leak detection to alert users and responsible personnel during emergencies, enhancing parking management efficiency and safety.

- **Temperature-Based Fan Speed Regulator (2024)**

Developed an automated exhaust fan speed control system for cooking areas. The system monitors ambient temperature and adjusts fan speed to maintain optimal ventilation, improving safety, energy efficiency, and overall ventilation performance.

ACHIEVEMENTS AND AWARDS

- 3rd Prize, Paper Presentation on "Digital Twin Technology", NEC-TECH FEST-2024, National Engineering College, 22–23 March 2024

- 1st Prize, Poster Presentation on "Low-cost Housing", Velammal College of Engineering and Technology, National Science Day 2024, 17–28 February 2024

- 2nd Prize, Quiz Contest, Velammal College of Engineering and Technology, National Science Day 2024, 17–28 February 2024

- 2nd Prize, Collage Contest on "Chandrayaan 3", Velammal College of Engineering and Technology, National Science Day 2024, 17–28 February 2024