



SUVEDHA B

Career Objective

Seeking a challenging technical role to leverage strong problem-solving skills and an active learning approach. Committed to continuously developing technical expertise and contributing effectively to team objectives and organizational success.

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).

Contact

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TECHNICAL SKILLS

- Python
- C
- HTML
- ADS Software
- Image processing
- CSS/JS

SOFT SKILLS

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

AREAS OF INTEREST

- IoT & Embedded Systems
- Circuit Design
- Image Processing

CERTIFICATIONS

- Simulation of communication systems using Matlab-NPTEL(Elite)
- 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

• Personal Portfolio Website (2025)

Designed and deployed a responsive professional portfolio to showcase technical skills and projects. Built using fundamental HTML, CSS, and JavaScript, serving as a dynamic, interactive digital resume.

• Departmental CGPA Calculator (2025)

Developed an accurate, user-friendly CGPA/GPA calculation tool specific to departmental grading. Utilized HTML, CSS, and JavaScript to provide instant results, enhancing efficiency for students.

• Smart Parking & Safety System (2025)

Built a smart parking system that tracks slot availability in real time and includes integrated fire and gas-leak detection to alert users and authorities, improving safety and management efficiency.

• Temperature-Based Fan Speed Regulator (2024)

Developed an automated exhaust fan system that adjusts speed based on ambient temperature, enhancing ventilation efficiency, safety, and energy usage.

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