

NARMATHA S

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CAREER OBJECTIVE

To obtain a challenging position that leverages my skills in Electronics, Embedded Systems, and UI/UX/Web Development, allowing me to design and develop innovative, hardware-integrated, and user-centric digital solutions. I seek to work in a challenging environment where innovation meets execution. My goal is to become a part of a forward-thinking team that values precision, creativity, and continuous learning.

EDUCATION

Anna University Regional Campus -Coimbatore, B.E in Electrical and Electronics Engineering **Nov 2022 –Jun2026**

- CGPA: 7.8/10
- **Coursework:** Unit Testing, Control Systems, Industrial Automation, Embedded System, Satellite Technology

Government Higher Secondary School, Tirupur

Jun 2019 – April 2022

- HSC with 79.1%
- SSLC with 72.4%

SKILL SET

- Technical skills: R&D, Product Development, Quality testing, System integration, SAP&ABAP programming.
- Programming Language: Python, C, Java, Embedded C, SQL
- Tools: Multiphysics, Tinker cad, Arduino IDE, Keil, Proteus, MATLAB, Blynk
- Data analytics: Microsoft Power BI, MATLAB
- Interpersonal skills: Teamwork, Communication, Problem solving

INTERNSHIP EXPERIENCE

CODTECH IT SOLUTION, India **March 2025 – May 2025**

- Automation Testing Intern
- Completed hands-on training in manual and automation testing using Selenium. Gained experience in writing and executing test cases, identifying bugs, and collaborating with developers in an agile environment. Built strong skills in software quality assurance, debugging, team work and problem solving.

Novi tech private limited, Coimbatore, India

May 2025 – Jun 2025

- UI/UX design: Completed hands-on training in UI/UX design, focusing on creating user-friendly interfaces and improving user experience. Gained skills in wire framing, prototyping, and user research using tools like Figma, with a strong understanding of user-centered design principles.
- Technical Tool: Figma

Snestron System, India

Present

- Embedded System: Currently gaining hands-on experience in microcontroller programming, sensor interfacing, and real-time embedded app Smart Temperature Monitoring System Project
- Developed a real-time temperature monitoring system using Arduino and DHT11 sensor, simulated on Tinker CAD, focusing on sensor data reading, threshold alerts, and system debugging. Lication development using Arduino and

embedded C. Smart Temperature Monitoring System Project

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PROJECTS DEVELOPED

Smart trolley:

Designed and developed a Smart Trolley using RFID and embedded systems to automate the billing process in retail stores. Enabled real-time item detection, display, and cost calculation, reducing manual checkout time. Focused on microcontroller programming, sensor integration, and system testing.

3D Model Generation:

Developed a deep learning-based system to convert 2D sketches into basic 3D models using generative AI techniques. Utilized computer vision, neural networks and 3D rendering libraries to automate model creation from hand-drawn inputs. Gained hands-on experience in AI model training, data preprocessing, and system validation.

AREA OF INTEREST

- Embedded System & IOT Integration with ERP
- Automation Testing
- Cloud ABAP

CERTIFICATION

- NPTEL certified course: Introduction to Internet of Things (course offered by IIT Roorkee), A Joy of computing python (course offered by IIT Madras)
- Novi Tech Private Ltd : UIUX course

DECLARATION

I certify that the information provided in this resume is true and accurate to the best of my knowledge and belief.

Date: 29/07/2025

Place: Coimbatore
