Pooja C

📍 Krishnagiri

9994699147 | poojarasi72@gmail.com

in https://www.linkedin.com/in/poojachinnadurai

Summary

A highly motivated Electronics and Communication Engineer with strong expertise in Embedded Systems and Internet of Things (IoT). Proficient in Python and C, with a solid foundation in IT concepts. Dedicated, adaptable, and eager to contribute to innovative projects in both core and IT domains.

Education

- **Vel Tech University**   2025
  B.Tech : Electronics And Communication Engineering
  GPA : 8.04

- **Sri Vijay Vidyalaya School**   2021
  Higher Secondary
  Percentage : 87.47%

- **Cambridge school**   2019
  Secondary
  Percentage : 87%

Experience

- **Yuzhan Technology Pvt Ltd (Foxconn)**   04/2025 - 09/2025
  Graduate Apprentice Trainee (Quality Department)
  I worked as a GAT in Quality Department at Foxconn, which is the Apple display manufacturing division, where I was part of the DM244 project. My responsibilities included conducting visual and functional inspections of display modules, identifying defects, and ensuring compliance with Apple's strict quality standards. I collaborated with engineers and production teams to report issues, support root cause analysis, and contribute to process improvements that reduced rework, and improved yield. I also maintained accurate inspection records, followed standard operating procedures, and gained hands-on experience in a high-precision, fast-paced electronics manufacturing environment. This role helped me build strong skills in quality control, defect analysis, and process compliance.

Skills

- Programming languages : Python, C
- Embedded systems : microcontrollers, sensors and actuators
- Communication protocols : UART, I2I, SPI, TCP, USB
- IoT expertise : device connectivity and automation
- AI fundamentals : integration in embedded applications
- Software skills : Data structures and algorithms (DSA), Database management system (DBMS), Operating systems (OS), Structured query language (SQL)
- Soft skills : Leadership and teamwork abilities, Analytical problem - solving skills, Good interpersonal and communication skills

Projects

- **Smart Energy Monitoring System**

  Objective: Smart energy monitoring system for real-time, accurate and automated tracking of energy consumption in residential, commercial or industrial environments.
  Tools/Technologies Used: ESP32, Blynk app, Embedded C Programming
- **Smart Medicine Dispenser System**

  Objective: Automated medicine dispensing system for the elderly, reducing risks of under/overdose.
  Tools/Technologies Used: ESP32, Blynk app, photoelectric sensor, Servo motor, oled display, Embedded C Programming.
- **Smart Roll-Call System**

  Objective: Automated attendance system using RFID technology.
  Tools/Technologies Used: Arduino, RFID Sensors, Embedded C Programming.
- **Solar Power Trash Compactor**

  Objective: Solar-powered system for waste compression, increasing bin capacity.
  Tools and technologies used: solar panels, sensors, and embedded systems
- **Smart Home Automation System**

  Objective: Control of home appliances automatically.
  Tools/technologies used: electronic components (sensors, ICs, PCBs, battery)

Certifications

- Python Course Completion Certificate by Simplilearn.
- Embedded systems course completion certificate by simplilearn
- AI Masterclass Completion Certificate by NOVITECH.
- Inplant Training Completion Certificate by TESCOM.

Hobbies And Interests

- Participating in hackathon and technology driven competitions
- Exploring advancements in IoT and AI applications
- Attending free workshops and online certification courses

Languages

- English
- Tamil
- Telugu