Pooja C

Krishnagiri, Tamil Nadu

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Summary

Electronics and Communication Engineering graduate with hands-on experience in Embedded Systems, IoT, and real industry exposure as a Graduate Apprentice Trainee at Foxconn (Apple display manufacturing division). Seeking an entry-level Embedded Systems / IoT / Electronics / Automation Engineer role where I can apply my technical skills, quality-focused mindset, and strong willingness to learn while contributing to reliable, real-world engineering solutions.

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

- **Foxconn Industrial Internet(Yuzhan Technology Pvt Ltd)** 04/2025 - 09/2025
  Graduate Apprentice Trainee
  Apple Display Manufacturing Division
  - Performed visual and functional inspection of Apple display modules to ensure compliance with stringent quality standards.
  - Identified display defects and supported root cause analysis in collaboration with engineering and production teams.
  - Assisted in process improvements that reduced rework and improved overall yield.
  - Maintained accurate inspection and quality records by following standard operating procedures (SOPs).
  - Gained hands-on exposure to high-precision electronics manufacturing and quality control environments.

Technical Skills

- Programming Languages: Embedded C, Python
- Embedded Systems: Microcontrollers(ESP32, Arduino), Sensors and Actuators, Embedded system design and debugging
- Internet of Things: Device connectivity and automation, Blynk platform integration
- Communication Protocols: UART, SPI, I2C, TCP/IP, USB
- Software and IT Skills: SQL, DBMS, OS, DSA, Web technologies(HTML, CSS, JavaScript)

Projects

- **Bluetooth Enabled Audio and Alarm System**
  - Objective: Bluetooth Enabled Audio and Alarm System for real-time environmental monitoring and safety alerts, with secure wireless communication and event-based audio response.
  - Tools/Technologies Used: ESP32, Embedded C, Bluetooth, Gas Sensor, Flame Sensor, IR Motion Sensor, Temperature & Humidity Sensor (DHT11), Soil Moisture Sensor, DAC, RTC

- **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.

- **Smart Home Automation System**
  - Objective: Control of home appliances automatically.
  - Tools/Technologies used: Electronic Components (Sensors, ICs, PCBs, Battery)

Soft Skills

- Analytical and problem-solving skills
- Teamwork and collaboration
- Attention to detail and quality focus
- Good communication and interpersonal skills
- Willingness to learn and adapt

Certifications

- In-Plant Training Completion Certificate – **Tescom**
- Embedded Systems Course Completion Certificate – **Simplilearn**
- Python Course Completion Certificate – **Simplilearn**
- AI Masterclass Completion Certificate – **Novitech**

Languages

- English
- Tamil
- Telugu