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Objective

Innovative and detail-oriented professional with expertise in embedded systems, microcontroller programming, and IoT hardware integration. Dedicated to designing efficient and reliable hardware–software solutions that solve real-world problems, while continuously enhancing technical skills in a fast-paced engineering environment.

Education

PSR Engineering College **2022–2026**
Bachelor of Engineering in Electronics and Communication Engineering (ECE)
CGPA: 7.814/10 (UPTO 6TH SEM)

Projects

Smart Ration Dispensing System | Embedded System with IoT, Monitoring website

An ESP32- powered smart ration dispenser with load cell, keypad, servo motor, and ThingSpeak integration for cloud-based data logging and monitoring.

Smart Home Automation By Using arduino

Designed and implemented a home automation system to control appliances via microcontroller, enhancing convenience and energy efficiency.

Internship

NSIC Technical Service Center **JUN 2024**

- Completed a one-week intensive training on Industrial-Based Embedded Systems with AI & IoT from 26.06.2024 to 03.07.2024.
- Gained hands-on experience in embedded hardware, IoT integration, and real-time applications.
- Trained under government-certified professionals at the NSIC Technical Services Centre, Chennai.

Certifications

- **NPTEL** – Introduction to Internet of things
- **Infosys** – Basics Electronics and Programming

Hackathon

- Participated in “Euphoria” 24-hour Hackathon at Kalasalingam University (2024). Developed a working prototype in a 3-member team to solve real-time challenges.

Skills

- **Languages:** C/Embedded C, Java
- **PCB & Circuit Design:** Tinkercad, LTSpice, Wokwi
- **Tools & Platform:** ThingSpeak
- **Soft Skills:** Team Management, Critical Thinking, Adaptability

Languages

- Tamil(R,W,S), English(R,W,S)