**PARAMASIVAM M**  
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### OBJECTIVE

Innovative and hands-on Electronics and Communication Engineering student passionate about IoT and embedded systems. Skilled in sensor integration, circuit design, and real-time monitoring using Arduino and ESP platforms. Seeking internship or project opportunities to apply technical skills to real-world problems.

### EDUCATION

**B.E. Electronics and Communication Engineering**  
St. Mother Theresa Engineering College, Tamil Nadu  
GPA: 7.56 • Batch: 2022 – 2026 (Currently in 3rd Year)

### PROJECTS

**Smart IoT-Based Water and Environment Monitoring System**

* Developed a real-time IoT system using ESP8266 and Blynk to monitor water quality (pH, TDS, temperature) and environmental parameters (humidity, light, air temp, water level)

**Herbal Air Cooler**

* Designed a smart air cooler with embedded automation using a custom PCB in EasyEDA
* Automatically ejected herbal liquid every 5 minutes to enhance air freshness and eliminate bacteria
* Benefits included reduced fever and improved air quality for respiratory issues

**IoT-based Environmental Monitoring System**

* Designed and deployed a system to track temperature, humidity, and air quality
* Integrated with Blynk for live data visualization and mobile alerts

**Smart Irrigation System**

* Built an automatic irrigation system using Arduino Uno, DHT12, relay module, and soil moisture sensor
* Activated pump based on soil dryness or temperature and displayed status via LCD
* Increased farming efficiency and conserved water via automation

### TECHNICAL SKILLS

* **Microcontrollers:** Arduino, ESP8266, ESP32
* **Programming Languages:** C, Embedded C
* **Software Tools:** Arduino IDE, EasyEDA, Tinkercad, Blynk Platform
* **Electronics & IoT:** Sensor integration (temperature, pH, TDS, etc.), PCB Design, IoT System Development
* **Soft Skills:** Innovation, Teamwork, Project Execution, Problem Solving

### CERTIFICATIONS

* 30-Day Internet of Things Course(NoviTech)

### ADDITIONAL INFORMATION

* Languages: Tamil, English
* Location: Vedanatham, Thoothukudi, Tamil Nadu, India