MOHAMED YOUSUFF A

CONTACT

637-903-5169

mohamedyousuff006@gmail.com

www.linkedin.com/in/mohamedyousuff2006

SKILLS

- Embedded Systems
- Analog and Digital Electronics
- Microcontrollers
- Internet Of Things
- C Programming
- Python

AREA OF INTEREST

- Electronic Devices and Circuits
- Linear Control System
- Industrial Instrumentation
- Sensors and Transducers

LANGUAGE

- English

PROFILE

Dedicated Electronics and Instrumentation Engineering student seeking opportunities to apply technical knowledge in embedded systems, instrumentation, and automation. Familiar with microcontrollers, sensor interfacing, and programming concepts with strong analytical and communication skills.

EDUCATION

Bachelor of Engineering (B.E.) – Electronics and Instrumentation Engineering
Kongu Engineering College
CGPA: 7.87 (Pursuing)

Higher Secondary Education (12th Grade) 2023 - 2024
Kongu Kalvi Nilayam
Percentage: 87%

SSLC (10th Grade) 2022 - 2023
Al-Ameen Matric Higher Secondary School
Percentage: 79.6%

CO-CURRICULARS

PROJECT

IoT-Based Smart Energy Monitoring System with AI-Powered NILM

Developed an ESP32-based smart energy monitoring system using PZEM-004T for real-time electrical parameter monitoring, automated TNEB tariff billing, cloud dashboard visualization, and XGBoost-based NILM with 95.6% accuracy. Integrated dual-failsafe ML architecture and AI-powered energy advisory support.

IOT-BASED WATER DISTRIBUTION MONITORING SYSTEM

Designed an IoT-based water monitoring system using ESP32, flow, and pressure sensors with Firebase Console cloud integration and dynamic dashboard visualization for real-time pipeline monitoring and analysis.

PAPER PRESENTATION

Paper Presentation, Anna University Regional Campus, Coimbatore: Presented a predictive maintenance framework using vibration, temperature, and current sensors for equipment health monitoring, fault prediction, and reduced industrial downtime.

HACKATHON

Coimbatore Institute of Technology (CIT), Coimbatore: Developed a smart food management application that tracks product expiry dates through scanning, generates timely alerts, and recommends recipes using available ingredients.