

THIRUPATHI A

ENGINEERING STUDENT

CONTACT

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- Tirupur

Thirupathi A

SKILLS

- Embedded & IoT
- C/Embedded C
- Python
- MATLAB
- Arduino basics
- Basics of IoT
- Basic of VLSI

SOFT SKILLS

- Team Work
- Communication
- Leadership
- Adaptive

LANGUAGES

- English
- Tamil

CERTIFICATE

NPTEL - Introduction to Internet of Things
with 70%(ELITE)

PROFILE

Engineering student with foundational knowledge in Embedded Systems and Internet of Things (IoT). Possesses an understanding of microcontroller programming, sensor interfacing, and basic embedded applications. Highly motivated to apply technical knowledge in practical environments and to further develop skills through internships, projects, and industry-oriented opportunities.

EDUCATION

Kathir College Of Engineering	2023 - PRESENT
BE-Electronics And Communication Engineering Wisdom Tree ,Neelambur Coimbatore - 62	
SSLC	2020 - 2021
Shri Valli Vidhyalayaa matriculation School Serangadu ,Tirupur- 06	
HSC	2021 - 2023
Nanjappa MPL Boys HR SEC School Kadharpet,Tirupur- 01	

PROJECT

Developed an IoT-based Smart Helmet that detects helmet usage and accidents, and sends real-time alerts with GPS location to emergency contacts using sensor data and wireless communication also it detects the alcohol detection.

Key Features:
Helmet wear detection using IR/pressure sensors Accident detection using accelerometer and gyroscope
Realtime alert system with GPS location tracking Wireless communication via GSM/Wi-Fi module

Technologies & Tools:
Arduino / ESP32, Accelerometer, GPS module, GSM/Wi-Fi, Sensors,
Embedded C / Python, IoT communication protocols

INTERNSHIP

Coimbatore Institute Of Technology	2025
IoT Centre @CIT & 5G Innovation centre	