



# THIRAN V

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## CAREER OBJECTIVE

Aspiring biomedical engineer with a strong foundation in embedded systems, signal processing, and IoT-based healthcare solutions. Eager to leverage technical expertise and creative problem-solving to develop innovative, accessible technologies that improve patient care and well-being.

## SKILLS

Programming Languages	C, Java,C++,SQL
Tools & Platforms	GitHub, Visual Studio Code, Figma, MySQL Workbench
Domain Expertise	Arduino, Biomedical Instrumentation
Soft Skills	Leadership Quality, Cognitive Flexibility

## EDUCATION

Bannari Amman Institute of Technology	
B.E in Biomedical Engineering — 7.81 CGPA Tamilnadu, India	2022 — 2026
Gandhi Matriculation Higher Secondary School	
12th Grade — 86.16% Tamilnadu, India	2021 — 2022
Gandhi Matriculation Higher Secondary School	
10 Grade — 98.4% Tamilnadu, India	2019 — 2020

## PROJECTS

### Fetal Monitoring System (EDII HACKATHON)

Tools : Visual Studio Code ,Arduino IDE

Description : A non-invasive, low-cost fetal movement monitoring system using ESP32 and MPU6050 to help pregnant mothers track fetal activity at home, reducing the need for frequent clinical visits.

### Paralysis Patients Healthcare Monitoring

Tools : Visual Studio Code, Arduino IDE

Description : Developed an IoT-based healthcare system for paralysis patients using accelerometer and gyroscope based hand motion recognition, enabling wireless communication with caregivers and real-time monitoring over the internet.

### Home-Automation-System

Tools : Arduino IDE

Description : Developed an IoT-based home automation system using the ESP32-CAM, Firebase, and a custom mobile app (MIT App Inventor) to enable remote appliance control, real-time video monitoring, motion detection, and keypad-based access for enhanced home security

## CO\_CURRICULAR ACTIVITIES

Finalist in BIT Hack's 2023 of BIT Hackathon about the topic of Home- Automation-System

Runner-up in presentation for Paralysis Patients Healthcare Monitoring

## CERTIFICATES & ACHIEVEMENTS

Java(Intermediate) in HackerRank.

Matlab onramp

## Hobbies

Photography

Traveling

Cooking

## DECLARATION

I THIRAN V, hereby declare that above written particulars are true to the best of my knowledge

**THIRAN V**