

KAMATCHI M

BIOMEDICAL ENGINEER

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📍 Trichy, Tamilnadu – 621 211

OBJECTIVE

To survive in a stimulating and challenging environment to gain rewarding carrier where I can execute and strengthen my skills and knowledge to excel with perseverance in serving the society.

TECHNICAL SKILLS

- C Programming
- Python
- Java
- HTML & CSS (Front End Development)
- Ms Office
- Medical Device Analyse & Usage
- Recruitment

CERTIFICATIONS

- AICET: Universal Human Values
- Value Added Course: Biomedical Hardware Training, Medical Coding
- Spoken Tutorial: Basics in C Language, Introduction to Computers, Basics in Arduino, Biopython

CO-CURRICULAR ACTIVITIES

Participated In various Paper presentations, seminars, webinars and workshops in various colleges - Blue Brain & Ectolife

EXTRA- CURRICULAR ACTIVITIES

- Course Completion - Full Stack Development
- Participated in hackathon and other events
- Active member of ISTE

LANGUAGES KNOWN

- Tamil - Native
- English - Fluent

AREA OF INTEREST

- Biomedical Instrumentation
- Front End Development

PERSONAL SKILLS

- Adaptability
- Quick Learner
- Leadership

EDUCATION

Kongunadu College of Engineering and Technology, Thottiyam.

B.E-Biomedical Engineering – 87% 2021-2025

Amala Girls Higher Secondary School, Musiri.

HSC – 88.325% 2020-2021

SSLC – 79.8% 2018-2019

ACADEMIC PROJECTS

- Title: IoT based heart rate monitor and SpO2 (5th Semester)**
Description: Wearable sensors powered by IoT track heart rate and SPO2 in real time, making healthcare more accessible, accurate, and remote-friendly.
- Title: Detection of hypodermic infiltration during intravenous therapy (6th Semester)**
Description: This paper introduces a low-power, non-invasive system that uses sensors and IoT to detect IV infiltration early, helping ensure timely care for children.
- Title: Anesthesia Machine Monitoring and Controlling System with IoT Integration (8th Semester)**
Description: This IoT-powered anesthesia system uses Arduino, sensors, and Blynk to automate drug delivery and monitor vital signs, ensuring safer, more precise care—even from a distance.

ACHIEVEMENTS

- Participated in Hackathon (ECE), Got **First Prize** in Intra-College Hackathon,
- Participated in **Train Hackathon (Hack@train)**

INTERNSHIP

- Completed Internship training at Kabila Hospital for 15 days
- Completed Hospital training at Mathuram Hospital for 15 days.

PERSONAL DETAILS

- Father's Name : Murugesan N
- Mother's Name : Parameshwari M
- Date of Birth : 06.12.2003
- Blood Group : B - ve

DECLARATION

I hereby declare that the above information is true to the best of my knowledge

Signature