



Ganga PB

Aspiring Electronics and Communication
Engineer

Career Objective

A recent Electronics and Communication Engineering graduate with a keen interest in Digital Electronics. Experienced in building smart systems, demonstrated by a project on heart attack detection and ^{Teamwork} heart rate monitoring. Looking to apply my skills to create innovative and impactful software solutions.

Skills

Adaptability
Critical Thinking
Coordination
Problem solving
Teamwork
Tools - Xilinx SPARTAN |
MATLAB| Proteus | Code Composer Studio |
LTSpice | canva | MS Word |MS Excel

CERTIFICATES

Mastering Raspberry Pi with Python
Smart India Hackathon(Prelims)

HOBBIES

Reading | Art & crafts | Music

Education

● **Btech in Electronics and Communication** 2022-present

Mohandas college of Engineering and technology,Trivandrum,Kerala

CGPA-7.6/10

2020-2022

● **Higher Secondary-ISC 94%**

Good Shepherd English Medium School,Pathanamthitta

● **Secondary School- ICSE 85%**

Good Shepherd English Medium School,Pathanamthitta

2019-2020

Project Work

IoT-Based Heart Rate and Health Monitoring System

Designed and implemented a wearable device using ESP32 to monitor heart rate, SpO₂ levels, and detect potential falls or cardiac anomalies in real-time.

- Integrated MAX30102, AD8232, and MPU6050 sensors with OLED display for real-time health metrics and alerts.
- Implemented vibration and push-button alert system for emergency response with minimal user interaction.

Experience/Internship

Career Academic Councilor Intern(Part time Job)

CleverLearn Edu Solutions, Thiruvananthapuram
Mar 2025 – May 2025 | Stipend: ₹5,000/month

- Engaged with prospective students and parents to guide higher education choices across 250+ partnered institutions.
- Handled student profiling, pain-point identification, and lead nurturing across sales funnels to optimize conversion.

Worked on Embedded Python Programming using Raspberry Pi

Quest Innovative Solutions, Thiruvananthapuram

- Designed and deployed Python applications on Raspberry Pi for automation, IoT, and embedded system projects.
- Integrated sensors, actuators, and peripheral devices to enable real-time monitoring and intelligent control systems.