

Sampada Bobde

Experiences

HealthFusion Labs| Embedded Systems Engineer

Nov 2021 – Dec 2021

- Developed and optimized embedded firmware for microcontroller based systems, improving performance and power efficiency.
- Led the integration of hardware and software components, ensuring seamless communication and synchronization.
- Implemented embedded security measures and conducted vulnerability assessments to enhance system resilience.

Projects

IoT Sensor Integration

[Github](#)

- Designed and implemented a sensor integration system for an IoT device, enabling real time data collection and analysis.
- Developed low power coding techniques to extend the device's battery life and ensure reliable, long term operation.
- Integrated Wi Fi and Bluetooth communication protocols for seamless data transmission to cloud services.

Education

B. Tech – Electronics and Telecommunication
G. H. Raisoni College Of Engineering

CGPA: 9.20

Skills

- Embedded Systems
- Firmware Development
- Real Time Systems
- Hardware Software Integration
- Microcontrollers
- C/C++ Programming
- System Architecture
- Embedded Software