

# AKSHAY LAKADE

## Embedded System Engineer

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### SUMMARY

Having completed my Bachelor's degree in Electronics and Telecommunication Engineering, with a specialization in Embedded Systems, I have honed my knowledge in microcontroller programming, firmware development, and hardware design.

### EXPERIENCE

#### Educator

Vijaya School

04/2021 - Present

##### CBSE Concept School.

- Educate students in the field of Electronics and programming along with Robotics
- Organizing and leading tech exhibitions in school.
- Documentation and technical writing

#### Hardware Engineer

BITLANCE TECH HUB

04/2020 - 03/2021

##### Software and IOT product development company.

- Collaborated with a multidisciplinary team to develop and deliver embedded systems solutions for clients in various industries.
- Hardware-software integration
- Debugging and troubleshooting

#### Intern

Sirf Bio Pvt Ltd

06/2017 - 07/2017

##### Bio Tech Company

- Supported the team in building and testing initial prototypes, identifying design flaws, and proposing improvements.
- Documented the machine's development process, including design specifications, test procedures, and software documentation.

### CERTIFICATION

#### Embedded System

Integrated Course in Embedded System and PLC Programming by (IGTR) Indo German Tool Room

### TRAINING / COURSES

#### Python

Python for Data Analysis & Visualization 2023 by **Udemy**

#### Microsoft Excel

Excel from Beginner to Advanced by **SimpliLearn**

#### PCB Designing

The Art and Science of Pcb Designing by **UDEMY**

### EDUCATION

#### B. E Electronics and Telecommunication

S.G.B Amravati University

07/2014 - 03/2020

### TECH STACK

#### Skills

##### Embedded System

##### Robotics

##### PCB Designing

##### IOT

#### Programming Language

##### Python

##### Embedded C

#### Software

##### Keil

##### Proteus

##### Eagle Cad

##### STM32Cube

##### VS Code

##### MSOffice

#### Hardware

##### STM32

##### Raspberry pi

##### Arduino

##### Nodemcu

### PROJECTS

#### Machine to Machine Communication

##### Skills : Embedded System, Arduino, IOT

- The primary objective of the project is to establish a self-contained communication network where multiple devices can exchange information autonomously.

#### Live GPS Tracking System

##### Skills : Embedded System, Arduino, IOT, PCB Designing, Python.

- The system integrates GPS modules with Arduino boards to obtain precise location coordinates of the tracked objects.
- The project utilizes IoT protocols HTTP (Hypertext Transfer Protocol), to establish a communication channel between the Arduino-based tracking devices and a central server.

### STRENGTHS



#### Excellent Verbal Communication

Proficient in conveying information and ideas clearly and effectively through oral communication.



#### Presentation Skills

Proficient in utilizing visual aids, such as slides or charts, to enhance understanding and engagement.