

## Riddhi Badhel

### Personal details

-  Riddhi Badhel
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-  7276054941
-  Pune, Maharashtra
-  Indian

### Skills

IoT Technologies: Arduino, Raspberry Pi, MQTT

Ability to work independently and collaboratively.

Programming: Arduino Programming, Python, C/C++

Experienced in MATLAB and Embedded System

### Education

- MIT Academy of Engineering, Pune** 2022 - 2025  
B.Tech - Electronics and Telecommunication  
CGPA : 7.90
- Cusrow Wadia Institute of Technology, Pune** 2022  
Diploma - Electronics and Telecommunication  
Percentage : 90%
- Seventh-Day Adventist Higher Secondary School, Nagpur** 2019  
10th - ICSE  
Percentage : 76%

### Courses

MALTLAB/Simulink

### Internships

- EduSkills by AICTE** Sep 2023 - Nov 2022  
Machine Learning  
Completed a 10-week virtual internship on AI and ML fundamentals, sponsored by AWS Academy and AICTE, with specialized training in AI/ML concepts.

### Academic Projects

- Automatic Bottle Filling System**  
Implemented an automatic bottle filling system with Arduino and STM32, using sensors, timers, and machine learning for detection.
- Automatic Plant Watering system**  
Created a plant watering system with soil moisture sensors and MQTT for real-time control.
- Weapon Detection and Alert System**  
In our weapon detection system, we used Raspberry Pi for real-time detection and an alert system that sends email notifications upon weapon detection.

### Extracurricular activities

- Member of ISA**  
(International Society of Automation)
- Member of SAE International**  
(Society of Automotive Engineers)