

# Aditya Munde

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## SUMMARY

A Mechatronics engineering student with practical exposure in product design, CAD modeling, and embedded systems. Proficient in Python, SolidWorks, CATIA V5 (Plastic Domain), and AutoCAD, with simulation experience using ANSYS. Hands-on project experience with Arduino-based systems. Currently undergoing certification in CATIA and GD&T to strengthen mechanical design knowledge.

- **MAEER'S MIT Kothrud** | Pune

Dec'20 - Sep '22

*Diploma in Computer Engineering : Secured: 74.59 %*

- **PES Modern College of Engineering** | Pune

Pursuing

*B.E in Mechanical Engineering : CGPA : 8.33*

## TECHNICAL SKILLS

- **Languages:** Python.
- **Design Tools:** SolidWorks, CATIA, AutoCAD
- **Simulation Tools:** ANSYS (Basic), MATLAB (Basics)
- **Tools:** Excel.
- **Microcontrollers:** Arduino Uno (ATmega328P)

## KEY DATA SCIENCE PROJECTS

- **Project: Anti-Sleep Alarm for Drivers**

**Tools & Tech:** Arduino Uno (ATmega328P), IR Sensor, Buzzer

- Developed a safety device that alerts drowsy drivers by detecting eye movement using IR sensors.
- Programmed the microcontroller using Arduino IDE to trigger buzzer alarm based on sensor input.
- Assembled and tested circuit to ensure real-time driver alert system works effectively.
- Focused on real-world applications for reducing road accidents due to fatigue.

## CERTIFICATIONS

-CATIA V5 (Plastic Domain) and GD&T – Certification Course (Ongoing)

-Introduction to Python Programming – (College Workshop)