

ADITYA KENDRE

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PROFILE

Currently pursuing an Electronics and Computer Engineering degree at PES Modern College of Engineering, I am highly enthusiastic about acquiring new skills and expanding my knowledge. My aim is to consistently grow and contribute to the dynamic field of technology and innovation.

SKILLS

- **Programming languages:** Python, C++
- **Tools:** Github, Power Bi
- **Databases:** MySQL, Sqlite
- **Soft skills:** Teamwork, Critical thinking, Adaptability, Communication

PROFESSIONAL EXPERIENCE

Noccarc

Backend Developer

Oct 2022 - Nov 2022

- Engineered robust communication system using C++ and Python sockets for seamless interactions among multiple clients and a central server.
- Implemented multithreading to enhance system efficiency during concurrent operations.
- Orchestrated transmission of hexadecimal data, demonstrating proficiency in data conversion.
- Managed scalable SQLite database and integrated PyQt for intuitive graphical user interfaces.

PROJECTS

• Robotic Arm Object Detection

I lead a team in developing a cutting-edge robotic arm with object detection capabilities. I played a central role in software development, programming, and algorithm design. Additionally, I provided assistance in hardware development. This project allows me to enhance my skills in machine learning, computer vision/opencv, and robotics.

• Accident Response Device

The Accident Response Device (ARD) automatically sends emergency messages to authorities and family members in the event of a vehicle accident, serving as a crucial safety tool. Played a significant role in key aspects of the ARD project including component selection, coding, and idea development. Published a survey literature on ARD in Journal of Engineering, Computing & Architecture.

• Motion Detection Using Python and OpenCV

Created a Python project using OpenCV to efficiently detect and highlight motion in a camera feed. Implemented the motion detection algorithm and integrated the OpenCV library to ensure precise motion tracking, generating a detailed log of movement occurrences and durations during monitoring

EDUCATION

• ECE	PES Modern College of Engineering,Pune	2021-2025 CGPA-9.10
• HSC	Sant Tukaram National Model School,Latur	2019-2021 91.00%
• SSC	Vidya Vardhini High School, Udgir	2014-2019 92.00%

POSITIONS OF RESPONSIBILITY

• Technical Lead at E-CESA	Aug 2023-Present
• Viral Fission CampusAmbassador	May 2022-June 2022
• GDSC Volunteer	July 2022-Sept 2022