



# Utkarsh Patil

Web Developer and Android Developer

## Education

(2022-2025)

### PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

*Bachelor of Computer Science and Engineering ( Artificial Intelligence and Machine Learning)*

## Projects

### ATTENDANCE MANAGEMENT SYSTEM

*Android Development*

- A GUI interface which shows every single detail of Attendance of every department of the college.
- Provides the checkboxes for every list of students for marking the attendance.
- After marking the attendance you can generate a pdf file of the particular class being taught with date with just a single press.
- You can generate attendance sheet of every student for monthly, weekly or yearly record of that student in the class with their percentage.
- Technologies Used: Java, Firebase, XML, SQLite

### CROWD MANAGEMENT AND DISTRIBUTION SYSTEM IN INDIAN LOCAL RAILWAYS (ONGOING)

*Deep Learning*

- A System which helps to manage the uneven distribution of people on the railway platform.
- In this system we basically count the number of people coming inside and outside of the railway carriage for each of the carriage inside the train.
- For detection of heads at the platform we are using custom trained YOLOv8 Convolutional Neural Network.
- For keeping the tracking of the heads in the image frame we are using SORT object Tracking which works using Kalman Filter Algorithm.

## Profile

Web developer and a android developer who works with both the front and back ends of a website or application. Provide an end-to-end service, and can be involved in projects that involve databases and building user-facing websites.

## Contact

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## Skills

- Accomplished full-stack developer with track record of success in Html, CSS, JavaScript, Bootstrap, Tailwind and PHP.
- Hands on experience in developing Android Applications using Firebase.
- Having a Good knowledge of in Java, Python, C++.
- Experience with OpenCV and computer Vision tasks like Object Detection and Tracking