MOHAN SANTOSH KOKATE

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Education

Ajeenkya dy patil university

2022-2026

Bachelor of Technology in Computer science and Engineering. CGPA: -6.80

Cambridge International School **2020-2022**

HSC Percentage: -64.40%

Priyadarshani School **2013-2020**

CBSE Percentage: -70.83%

Technical Skills

Languages: - Java (Basic), HTML, CSS, Javascript, DBMS(Basic), Python (Basic).

Database Tool:- Mysql,Oracle Database

Technologies/Frameworks/Libraries: - GitHub, Vs Code, Git, Jet Brains IntelliJ Idea, Arduino Ide.

Soft Skills: - Proficient in English, Hindi and Marathi, Problem Solving, Leadership, Social Adaptability, Teamwork

Projects

Spotify Clone (Frontend)

- **Engineered** a responsive, frontend music streaming application using **[e.g. HTML, CSS, JavaScript]** to replicate the core Spotify user experience.
- **Integrated** the **[e.g., Spotify Web API]** to dynamically fetch, search, and display real-time song, album, and artist data.
- **Developed** a clean and intuitive user interface with core playback features, music discovery, and playlist browsing capabilities.

Real-Time Face & Object Detection

- **Developed** a computer vision system in **Python** and **OpenCV** to detect multiple objects—including faces, eyes, cars, and full bodies—in images and video streams.
- **Implemented** and **compared** different detection algorithms, utilizing both classic **Haar Cascade classifiers** (OpenCV) and modern CNN-based models (**dlib**).
- **Engineered** the solution to process inputs and draw real-time bounding boxes around all identified objects for clear visualization.

Adaptive Geofencing System (IoT)

- **Designed and prototyped** a complete IoT-based adaptive geofencing system for real-time asset tracking and dynamic boundary management.
- **Engineered** the IoT hardware node using a **[e.g., ESP32, Arduino]**, a **GPS module (e.g., NEO-6M)**, and a **[e.g., GSM/GPRS, LoRa, Wi-Fi]** module for continuous, remote location data transmission.
- **Developed** the core **adaptive logic** allowing geofences to be dynamically created, resized, or updated based on real-time data, user input, or time-based schedules.
- **Built** a backend server using **[e.g., Python, Node.js, PHP]** to receive and process incoming GPS data streams, check against geofence boundaries, and store location history in a **[e.g., MySQL, MongoDB, Firebase]** database.

Certifications

Acmegrade Machine Learning Certificate

Oracle CLoud Infrastructure 2025 Certified Foundations Associate

Lets Upgrade Python Bootcamp