

# Aditya Balodi

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## Education

**Graphic Era Hill University, Dehradun**

**2020 - Present**

Bachelor of Technology in Computer Science & Engineering

## Projects

### Presence

- A Smart Attendance Capturing Android App developed in kotlin which uses Facial recognition and Geo-fencing for marking attendance.
- This App was developed for the Smart India Hackathon 2022 and our team was placed in the Top 2 and the official Runner ups.
- This app uses TensorFlow lite Face-net model for facial recognition which uses a Deep Convolutional Neural Network with an accuracy of 99.82 per cent in recognizing a face and Google Map API for Location and Geo-Fencing.

### Face Recognition Attendance system

- A face recognition attendance-based system developed in Python with the help of NumPy, CV2 and Haar Cascade Algorithm for frontal face recognition.
- This application has an accuracy of 96.24 per cent in detecting and recognizing the face, and it is a Graphical User Interface which is a user-friendly application.

### Virtual Reality Tour Android App

- A Virtual Reality Android app based on 360 panorama images that are integrated into the 3 dimensional sphere which can be seen in a mobile-compatible Virtual Reality box.
- The Application uses mobile gyroscopic sensors to move the camera inside a 3 dimensional which can be seen by the user as he is standing there and watching the scene.

### Smart Car Parking Android App

- This project is an Android app-based project in which the user books his slot for car parking available and used an app for navigating his car through Google Maps. It is created in Java and Firebase is used as the backend database.
- Link: [https://github.com/Aditya-a/Parking\\_Tracker](https://github.com/Aditya-a/Parking_Tracker)

## Technical Skills

**Programming Languages:** (Java, Kotlin, python, etc.)

**Learnings:** Data Structures, Algorithms, Logical Thinking, Code Optimization, Error Detection

**Tools and Technologies:** Android Studio, Eclipse, Git Windows, SQLite, Firebase, Unity Engine

## Achievements

- Qualified for the prestigious "Smart India Hackathon 2022 Grand finals".
- Placed Top 2 of Problem Statement SK794 in Smart India Hackathon 2022 Grand finals.
- I am the Membership Coordinator in the Cyber Security Club of my college.
- Selected for AI 2.0 Hackathon conducted by Yamaha at Chitkara University.
- Selected in the top 12 from 105 teams all over India.

## Certificates

**Cisco Certification** (Introduction to Cyber Security) (Completed)

**Cisco Certification** (Cyber Security Essentials) (Completed)

**EC Council** (Certified Ethical Hacker) (2023 – Ongoing)

## Strengths

- Goal-Oriented
- Leadership Qualities
- Team Player

## Hobbies

Yoga, PC Games, Roller Skating