Mihir Sachin Vaidya

ADDRESS Flat 201, Siddhachal Phase 8, BLDG 4, Pokhran Road No 2, Vasant Vihar, Thane West – 400610. State: Maharashtra. India.
EMAIL ID: mihirsv22@gmail.com   **Tel no.:** +919892813336

EDUCATIONAL QUALIFICATIONS:

Bachelor of Engineering:	Shah & Anchor Kutchhi Engineering College, Mumbai
	Major: Computer Engineering
	2019 – 2022
	Division: First Class with Distinction
Diploma:	Vidyalankar Polytechnic, Mumbai
	Major: Diploma in Computer Engineering
	2017 – 2019
	Division: First Class.
XIIth Grade:	R. D. National College, Mumbai
	Major: Science
	2014 – 2016
	Division: Pass Class.

FINAL YEAR PROJECT : Criminal Detection

Description: The project is about a software for surveillance and security. It has been observed that the crime department always struggles to find and identify the culprit in time from CCTV footage. The culprit always covers their faces and hence facial detection is not always possible. There have been many cases where the police don't know the identity of the criminal and over time the cases remain unsolved. Our final year project is based on creating a software that tackles this issue. We have created a software that will be able to identify the criminal by calculating his/ her body parameters. The body parameters consist of height, weight and body mass index (BMI). The project successfully detects the identity of the criminal even when they wear a face mask. This is done using BMI detection. The BMI of the culprit is calculated using Da Vinci's Phi theory. The program uses complex face detection and Haar cascade algorithms to accurately detect the person's face or calculate the BMI through CCTV. Python was used extensively for this project. In the project the police has to get a still image from CCTV recording and crop to make only the criminal visible in the frame. BMI of culprit is then calculated by software and compares it with the pre-existing database of criminal records. This record will have the BMI of all the criminals and the software will identify the culprit.

COMPUTER SKILLS:
Language known: C, C++, Java, Python, JavaScript, OpenCV.
Operating System: Linux, Windows 7, 10
Other Software known: Photoshop

EXTRA CURRICULAR ACTIVITIES
1. Swim Safer Swimming Test Certification by Singapore Sports Council
2. Web Developer Bootcamp Course
3. Deep Learning and Computer Vision A-Z
4. Currently doing Cloud Computing Course by Red Hat Certified Partner (Priar Technoworld).