

# VISHAL SATASIYA

Ahmedabad, Gujarat  
8866047212 | vdsatasiya2393@gmail.com

## Career Objective

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Seeking a challenging, growth oriented position in a progressive and innovative organization, where my professional skills and constant drive towards success enables me to help further development of organization and myself.

## Experience

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### Artigen

Machine Learning & Deep learning Developer  
June 2021 – Present

## Skills

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Technology	Python, TensorFlow, Keras, Opencv, Numpy , YOLO, mySQL
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## Project

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### Age Detection

- Age Detection for detecting the age of a person in any given image, video or real-time webcam. custom VGG16 model was developed and trained on facial datasets downloaded.
- The age detection model is a deep learning based model which is developed with the help of transfer learning. The model takes the image of a person as an input and predict whether a person is Child, Teenage, Adult or Old.
- OpenCV, MTCNN & Keras were used to aid facial detection and video processing. The final system can detect the age of people in any given image, video or real-time webcam.

### Gender Detection

- Gender Detection for detecting the Gender of a person in any given image, video or real-time webcam. custom VGG16 model was developed and trained on facial datasets downloaded.
- The Gender detection model is a deep learning based model which is developed with the help of transfer learning. The model takes the image of a person as an input and predict whether a person is Male or Female.
- OpenCV, MTCNN & Keras were used to aid facial detection and video processing. The final system can detect the Gender of people in any given image, video or real-time webcam.

### Emotion Detection

- Emotion Detection for detecting the Emotion of a person in any given image, video or real-time webcam. custom VGG16 model was developed and trained on facial datasets downloaded.

- The Emotion detection model is a deep learning based model which is developed with the help of transfer learning. The model takes the image of a person as an input and predict whether a person is Happy, Angry, sad, Surprise or Neutral.
- OpenCV, MTCNN & Keras were used to aid facial detection and video processing. The final system can detect the Emotion of people in any given image, video or real-time webcam.

### **Race Detection**

- Race Detection for detecting the age of a person in any given image, video or real-time webcam. custom VGG16 model was developed and trained on facial datasets downloaded.
- The Race detection model is a deep learning based model which is developed with the help of transfer learning. The model takes the image of a person as an input and predict whether a person is Indian, White, Black, Asian or Middle Eastern.
- OpenCV, MTCNN & Keras were used to aid facial detection and video processing. The final system can detect the Race of people in any given image, video or real-time webcam.

### **Object Detection using YOLOV4**

#### **PPE Kit Detection:**

- Model detect PPE Kit in any given image, video or real-time webcam. PPE Kit detection model trained on Yolov4.

#### **Inventory Detection:**

- Model detect Inventory in any given image, video or real-time webcam. Inventory detection model trained on Yolov4.

### **Education**

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#### **M.C.A (Master of Computer Application)**

Percentage: 65%

Sardar Vallabhbhai Patel Institute of Technology, Vasad, Gujarat Technological University. (GTU)

#### **B.C.A (Bachelors in Computer Application)**

Percentage: 64%

Shree M&N Virani Science College, Rajkot, Gujarat Technological University. (GTU)

Year of Passing: 2013

#### **H.S.C**

Percentage: 58.29%

Space School, Jetpur (GSHSEB)

Year of Passing: 2010

#### **S.S.C**

Percentage: 61.38%

Patel Vidhya Mandir, Dhoraji (GSHSEB)

Year of Passing: 2008

**Personal Details**

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Date of Birth: 02/03/1993

Nationality: Indian

Known language: English, Hindi, and Gujarati

**Certification**

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Kaggle: Python

Kaggle: Intro to Deep Learning

IBM - Cognitive Classes: Python for Data Science

Among the top 10 students for FTKT Exam Conducted by College.

A2 Level Certificate in Scope Exam

**Declaration**

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I hereby declared that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

**VISHAL SATASIYA**