

High Quality Facial Recognition System

Introduction:

Overview:

face_recognition: It is a library in python which is used to extract face location in given image and then extracts it for recognition after encoding process occurs.

pickle: It is used to make serialisation and deserialisation in encoding process of faces extracted in an image.

dlib: It is an essential library ,on this facial_recognition and cmake is built.

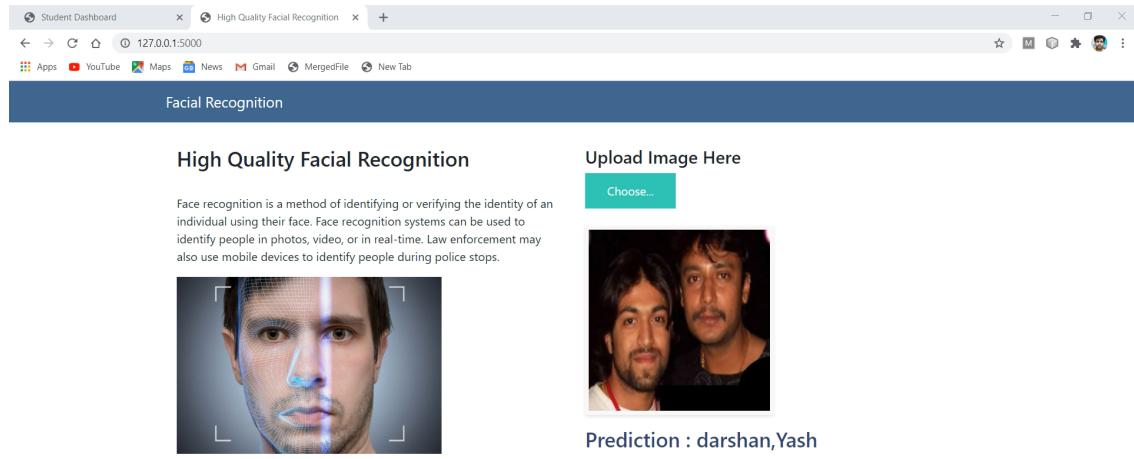
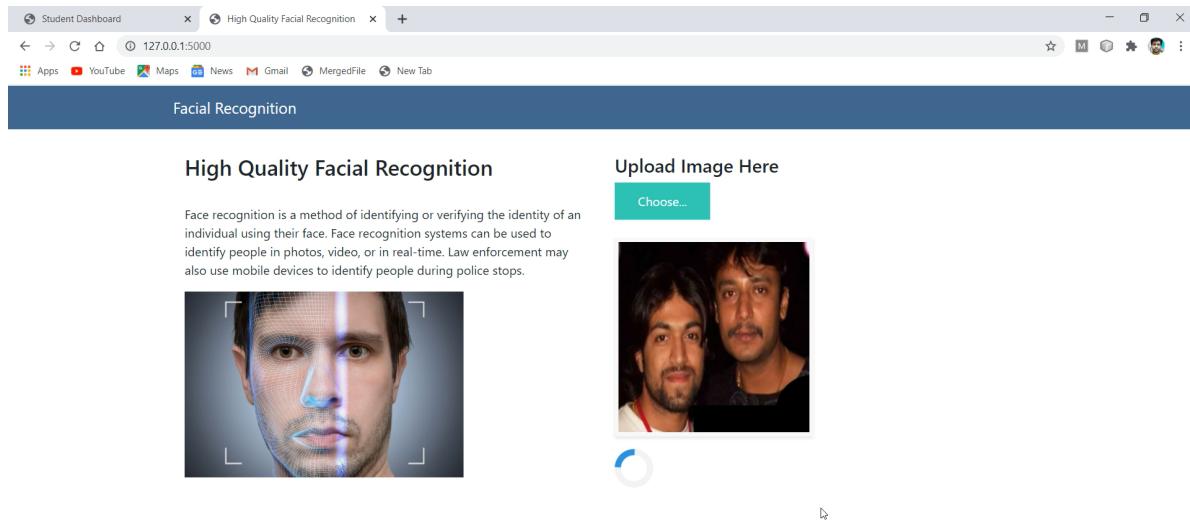
You need to create dataset by downloading image,into a folder.
Name given to folder becomes the label for recognition.
Then encode the dataset by running "encoding_faces.py".
Provide data through web for "face_recognition",it extracts faces and recognize it and produces label on web.

Purpose:

The objective of this project is to build a Facial Recognition application that can detect faces and recognize them. We are going to build this using dlib which uses 128 point face detectors which outputs these 128 points fro all the face and compares them with existing faces.

Result:

Screenshot:



Student Dashboard High Quality Facial Recognition

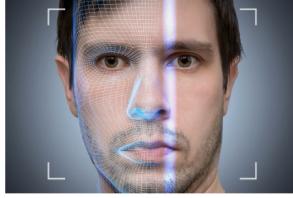
127.0.0.1:5000

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Facial Recognition

High Quality Facial Recognition

Face recognition is a method of identifying or verifying the identity of an individual using their face. Face recognition systems can be used to identify people in photos, video, or in real-time. Law enforcement may also use mobile devices to identify people during police stops.



Upload Image Here

Choose...



Faces



ocr-flask (2).rar

Type here to search

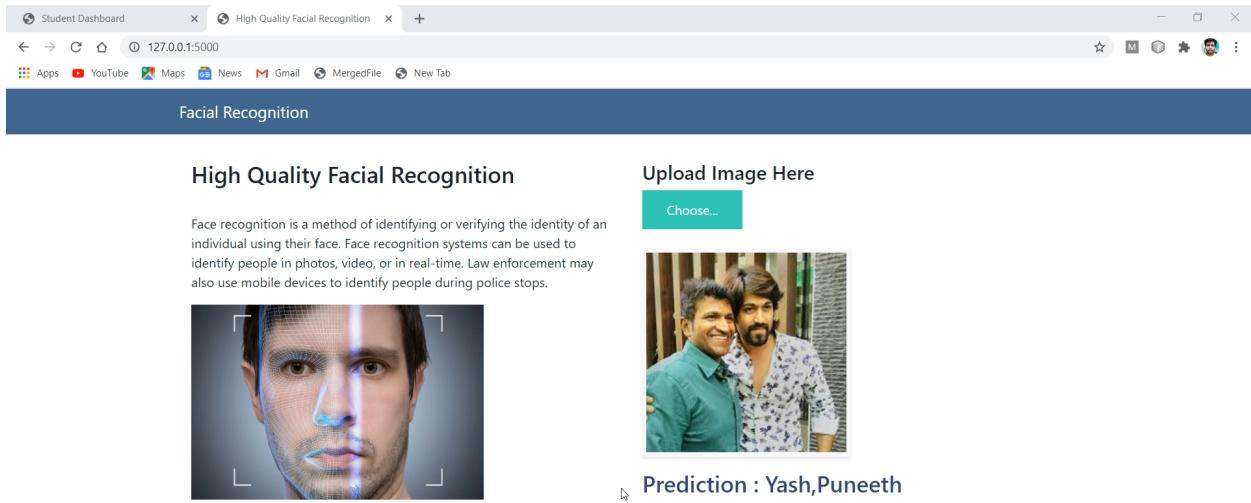
1007 23-08-2020

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Application:

- 1.FIND MISSING PERSONS
 - 2.IDENTIFY PEOPLE ON SOCIAL MEDIA PLATFORMS
 - 3.RECOGNIZE VIPS AT SPORTING EVENTS
 - 4.PROTECT SCHOOLS FROM THREATS
- and many more

Conclusion:

Prepare dataset first by placing images in separate folder , remember label for those will be name of folder,then encode images and finally upload image through web ,based on the uploadings,it will recognise as label given or unknown using face_recognition library.

