

REAL-TIME BASED FACIAL RECOGNITION SYSTEM USING TWILIO

Abstract

Face recognition is one of the widely used technologies or systems in which it has the potential to perform tasks such as to have records provided in by the dataset in many areas such as the school and colleges attendance systems, it can also be helpful in catching the thieves or the terrorist, can be helpful in the security of common people and the much needed security areas in the country. Face recognition can be used by the government to verify the voters list, find missing persons, find the population or census, immigration process, also provide security over internet scams protecting Ecommerce and highly used in the medicine and healthcare.

Criminals are widely using Social Media & Social Networks to Commit the Crime and they are being part of cyber space as well, in this regard.

A facial recognition system is a technology capable of identifying or verifying a person from a digital image or a video frame from a video source. There are multiple methods in which facial recognition systems work, but in general, they work by comparing selected facial features from given image with faces within a database

Key Words:

Facial recognition, twilio, database, image processing.

Software Requirements:

- Python
- Opencv-4.2.0
- Numpy-1.18
- Haarcascade_frontalface_default.xml

Hardware Requirements:

- 8GB ram
- Good internet bandwidth
- Processor : i3 Or More

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