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REAL TIME SIGN LANGUAGE RECOGNITION USING TRANSFER LEARNING

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ABSTRACT:

Communication is very crucial to human beings, as it enables us to express ourselves. We communicate through speech, gestures, body language, reading, writing or through visual aids, speech being one of the most commonly used among them. However, unfortunately, for the speaking and hearing-impaired minority, there is a communication gap. Sign language is learned by deaf and mute and usually it is not known to normal people. It strikes our mind that to

bridge the gap between hearing impaired and normal people & make communication easier.

To overcome this barrier, we propose a method where we collect sign language gestures using webcam and by using Transfer learning, we train a Tensor Flow model to create a Real-time Sign Language Recognition system. This will help a lot of people in communicating with deaf and mute people.

Supervisor Sign

Coordinator Sign