

SIGN LANGUAGE RECOGNITION USING DEEP LEARNING

You

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Abstract

Communication is an essential part of our life. Unfortunately, some of us were born in various types of disability such as deaf, since hearing impaired people can't listen they can't learn to speak so they developed a new communication way to interact with other people by using distinct hand gestures, which wasn't enough to overcome this issue, even now with all technologies and tools still challenging problem to solve. For the mentioned reason, the intention of the proposed research is to improve an ordinary model to translate the hand gestures of the sign language into voice. In that, Deep learning is remarkably serviceable for this mission, firstly by identifying the hand in the video frame by using Convolutional neural network algorithm then states the sound that matches the sign.

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Test

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