Gesture Translator for Hard to Hearing and Tongue-Tied People

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Abstract: *Vocalize and Language is that the main obstacle for human to speak with the whole world. Thanks to hearing ability we are able to perceive thoughts of every different. Even today we are able to offer commands victimization voice recognition. However, what if one fully cannot hear something and eventually cannot speak. So, The Sign Language is that the main human action tool for hearing impaired and mute folks, associate degreed additionally to make sure a freelance life for them, the automated interpretation of linguistic communication is an in-depth analysis space. With the utilization of image process and artificial intelligence, several techniques and algorithms have been developed during this space. Each linguistic communication recognition system is trained for recognizing the signs and changing them into needed pattern. The projected system aims to produce speech to unarticulated, during this paper the double two-handed Indian linguistic communication is captured as a series of pictures and it's processed with the assistance of Python so it's born-again to speech and text.*

Keywords: Machine Learning, Convolutional Neural Networks (CNN), Sign Language, Communication, etc.

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