

Sign Language Translator

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Abstract: *Communication is an integral part of today's world but still it is not convenient for everyone i.e. communication for deaf and dumb people has always been troublesome. This paper focuses on creating a sign language translator which converts text or voice input into sign language video feed and also provides a real-time sign language detection, thereby creating a two-way form of communication. This paper discusses use of machine learning and deep learning for real time detections. The main purpose of this translator is to eliminate communication barriers that deaf and dumb people face by providing them a tool to communicate in social as well as corporate world effectively and efficiently.*

Keywords: Sign language translator, Neural Network, Computer vision, Deep learning, Transfer learning, Mediapipe, LSTM.

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