LITERATURE SURVEY

1. Lance Fernandes; Prathamesh Dalvi; Akash Junnarkar; Manisha Bansode developed a Bidirectional Sign Language Translating system consists of a software system. It is named as a bidirectional system as it not only converts the sign language to speech via text conversion but also incorporates a system which translates the speech to the prescribed sign language with text conversion as the mediator

2. Zhen Xing Zhou; Vincent W. L. Tam; Edmund Y. Lam developd a deep learning framework named SignBERT, integrating the bidirectional encoder representations from transformers (BERT) with the residual neural network (Resnet), to model the underlying sign languages and extract spatial features for CSLR. We further propose a multimodal version of SignBERT, which combines the input of hand images with an intelligent feature alignment, to minimize the distance between the probability distributions of the recognition results generated by the BERT model and the hand images

3. Suhail Muhammad Kamal; Yidong Chen; Shaozi Li; Xiaodong Shi; Jiangbin Zheng put forth a survey which provides an overview of the most important work on Chinese sign language recognition and translation, discussed its classification, highlights the features explored in sign language recognition research, presents the datasets available, and provides trends for the future research.

4. Wei Pan; Xiongquan Zhang; Zhongfu Ye designed a new kind of skeletal feature called Multi-Plane Vector Relation (MPVR) to describe the video samples. and combined with the attention mechanism, we also use Attention-Based networks to distribute weights to the temporal features and the spatial features extracted from skeletal data

5. Jie Huang, Wengang Zhou, Houqiang Li, and Weiping we present an attention-based 3D-Convolutional Neural Networks (3D-CNNs) for SLR. The framework has two advantages: 3D convolutional networks learn spatio-temporal features from raw video without prior knowledge, and attention mechanism helps to select the clue

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