

Sign Language Detection using Action Recognition

As part of this assignment, I learned how to build a detection model to decode sign language.

Method

The following processes were followed to achieve the desired result:

1. Install and import dependencies
2. Detect face, hand and pose landmarks
3. Extract keypoints
4. Collect keypoint sequences
5. Preprocess data and create labels
6. Build and train Long short-term memory (LSTM) neural network
7. Make sign language predictions
8. Save model weights
9. Evaluation using a confusion matrix

Result



