Applied Deep Learning Final Project: Building A Sign Language Translator

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1   General Information

In this work, we built a sign-language translator using transfer learning, pose estimation, and the Sign Language MNIST dataset as a baseline. Approximately 28 million people in the US have some level of hearing loss. Of these, 2 million people are classified as deaf. Throughout this project we hope to built a sign-language to English translator for the American Sign Language (ASL) alphabet that will run in real time given a video stream as input.

For a more extensive project overview and code walkthrough, please visit our youtube video on the project: https://youtu.be/2AXZ-LoxtI8

To run the code and visualize our work yourself, check out the README.md file in this directory.