

This project aims to help close the gap between the hearing and deaf communities through computer vision and deep learning. The program will be trained to pinpoint and differentiate between various ASL signs, specifically the alphabet. It will then translate the signs to an easy-to-read text for the user to see what the signer is saying. This will be done through a Raspberry Pi running Python with a camera attachment. Training and testing of the program will be through images and video collected from the Internet, previous research databases, and in person. The goal of this project is to make it easier for English speakers to understand any ASL they may encounter.