American Sign Language Detection

Objective

Build a system that can detect a given ASL input image and output what the sign represents (what letter of the alphabet is the sign).

Dataset

Download Link: ASL Dataset

There are 29 classes of the signs, of which 26 are for the letters A-Z and 3 classes for SPACE, DELETE, and NOTHING.

Description of the dataset:

The dataset comes with separate train and test sets. The train set has separate folders for every class (every alphabet). Read the train dataset and set the class for the respective images accordingly. Your model needs to be able to detect for all 29 classes.