Sign Language Translation

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Why did I choose it?

- Keen to know how computers can interpret or analyze images

Technologies to be used

- Python
- Keras
- Tensorflow

Resources

- Dataset : Mnist-Sign Language Recognition from Kaggle
  - Training data : 27455 cases
  - Testing data : 7172 cases
  - 784 columns for each pixel on a 28*28 picture
- IDE : Visual Studio Code

Plan

- Classify using ML algorithms : Naive Bayes, Decision Tree, Nearest Neighbor
- Classify using Convolutional Neural Network
- Compare their results

Goals

- Short Term Goal
  - Recognizing the alphabets of the English Language
- Long Term Goal
  - Recognizing complete words and sentences

Discussions