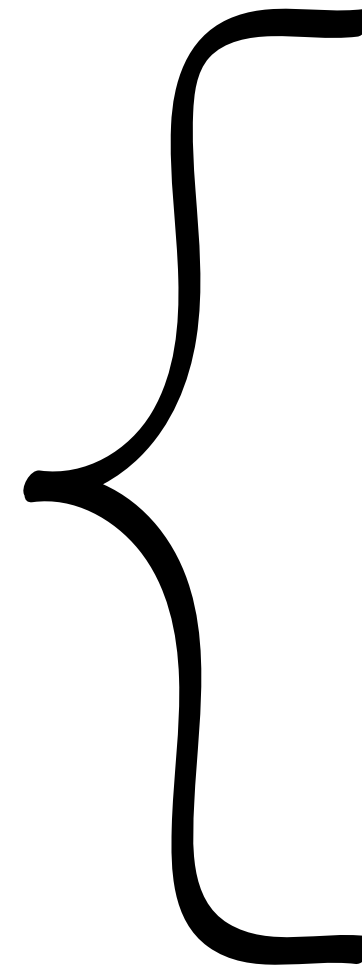# Capstone

Sprint 1

ANKIT DHEENDSA

ASL Detection and Translation

Bridging the gap in communication caused by mutism

Total number of video conference/communication software that natively supports ASL translation = **0**

Solution Proposal

Computer Vision

+

Convolutional Neural Network

{

1 Custom Image Data Collection

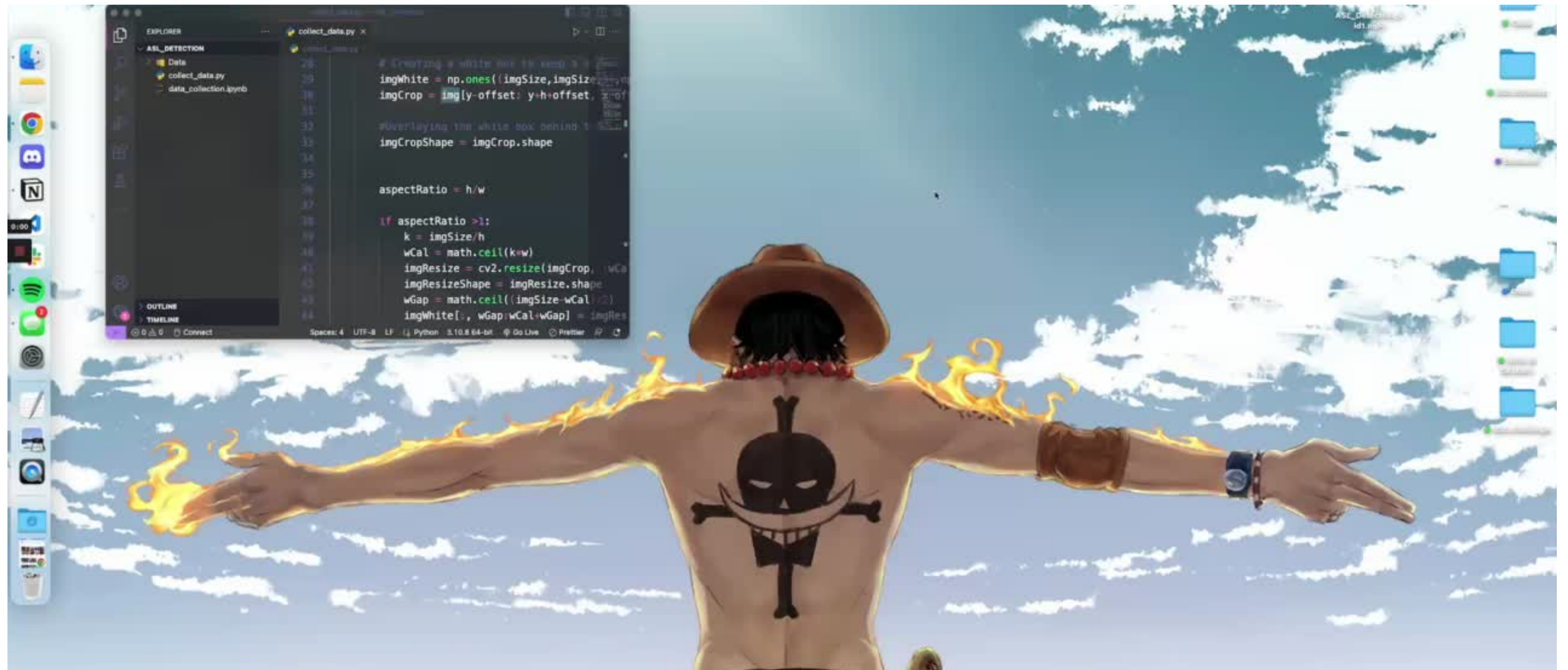**2** Image Data Interpretation

3 Image Data Translation

Potential Impact?

70+ Million Lives

Data Collection

Next Steps

Further Split Data

- Training
- Validation
- Testing

Build ->Train -> Evaluate

- Construct and train CNN on refined data sets
- Evaluate accuracy results