

ASL Detection Application using MobileNet

Model Details

Overview:
MobileNet for American Sign Language gesture recognition, trained on a dataset of 87,000 images across 29 classes

Version:
Name - tfaslv3
Date - 12/6/2024

References:
<https://cloud.google.com/blog/products/ai-machine-learning/create-a-model-card-with-scikit-learn>

Considerations

Intended Use:
This model is designed for American Sign Language (ASL) gesture recognition and is intended for use in mobile applications.

- Limitations:**
- Performance may vary in different lighting conditions or with complex backgrounds.
 - The model's accuracy might be lower for less common ASL gestures or regional variations.

- Ethical Considerations:**
- Ensure user privacy when processing sign language input.
 - Consider potential biases in the training data and their impact on model performance across different user groups.

