



# Hand Gesture Recognition

Dr. Hafez Abd El Wahab  
T.A. Aya Khaled



# Team Members

Mohamed Khaled Farahat

Ahmed Yousef Al- Sayed

Ahmed Mohamed Ahmed Hussin

Gina Hamdy Kamal El-Din

Yousef Adel Mohamed



# Agenda

1. Introduction
2. Dataset
3. Features
4. Performance
5. Future work



# Introduction

- Physical vs Visual Human-Computer interaction
- Computer Vision applications
- Used Machine learning techniques in model



# Dataset

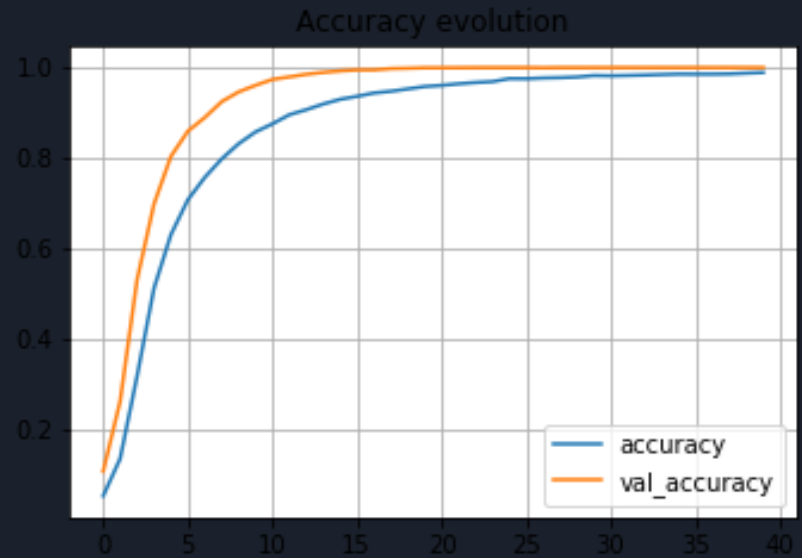
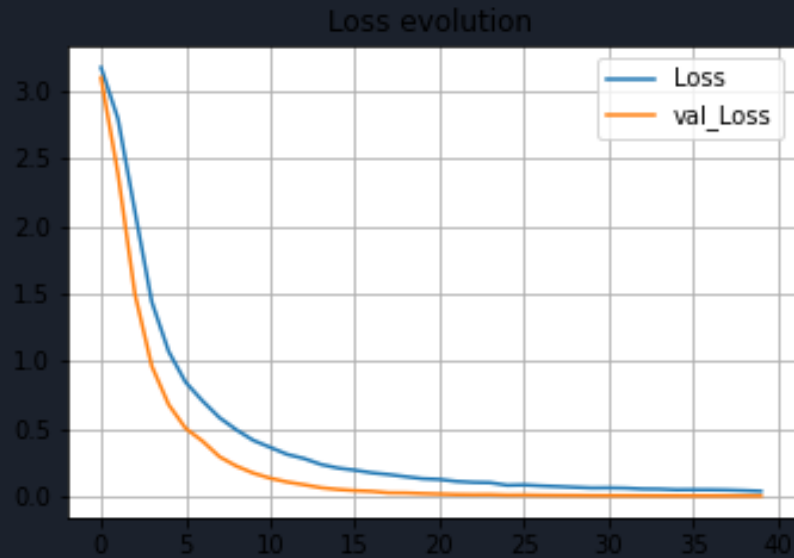
- American Sign Language (ASL) Dataset
- 27455 training images and 7172 test images
- Preprocessing

# Features

- Feature extraction and Classification
- CNN Layers



# Performance & Measurement Metrics





## Future work

- Static to Real time conversion