Nader Osama

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Cairo, Egypt

nader-osama

NaderOsama

15/12/1999

SKILLS

Mobile Application Developer | Flutter

Other programming languages *(C++,Dart also familiar with C#)*

Soft Skills *(Presenter, Problem solver and creative thinker, Self-motivated, Fast learner.)*

LANGUAGES

- Arabic Native
- English Fluent

ACTIVITIES

• Member of the Student Union at the Arab Open University, Cairo -- Oct 2019 — August 2021

• Member of the ACPC community -- September 2020 — August 2021

• Member of ma'an ll kheer -- August 2019 — August 2020

EDUCATION

Bachelor of Computer Science, Arab Open University
2018 – 2022 | Egypt
Faculty of Computer Science

GPA: 3.1 / 4 – Very Good

CERTIFICATES

Line Tracking Robot
Banque Misr Training Certificate

PROJECTS

Arabic Sign Language,
AOU Graduation project
2022 – 2023

This project aims to help people with (hearing/speaking) difficulties to facilitate communication with the community by converting sign language into voice and written speech by developing an application running on mobile devices (IOS & Android) for example:

- To help people understand gestures and deal with deaf and dumb easily in daily life
- Learn sign language

The main stages of the project are:

- Using **Media Pipe** library, The Holistic model combines the hands' poses detection model
- Using **Flutter**, it is used to develop cross-platform applications for Android, iOS
- Using **Scikit** library, Scikit-Learn to Train a Custom Model
- Using **classification models**, I trained four models through my dataset to see which one was the best, and then used them to make predictions.
- Create Dataset, I created The Data Set for Arabic Sign Language
- Using **Flask** library, APIs are created to connect the frontend with the backend
- Using **Python**, extract *coordinates* by hands to excel file.
- Arabic Sign Language (characters, words) dataset is Generated.
- Mainly used libraries: **OpenCV**, **Sklearn**, **mediapipe, Pandas** and **Numpy.**