

# ABDELRAHMAN OSAMA ANWAR

Cairo, Egypt

(+20) · 121 · 155 · 5773 ◇ abdelrahmann@gmail.com ◇ Github: @abdelrahman-osama

## EDUCATION

---

### German University in Cairo

M.Sc. in Computer Vision.

*Jan 2020 - Present*

### German University in Cairo

B.Sc. in Computer Science & Engineering.

*Oct. 2014 - July. 2019*

## SKILLS

---

**Backend** Python, Java, C++, Golang, PHP, Wordpress, MySQL and **Firestore**.

**AI** Keras, **OpenCV**, TensorFlow, Numpy, Pandas, Scikit-Learn

**Mobile** Flutter, Dart, **Native Android (Java)** and React Native.

## PROJECTS

---

### Human Care App

*January 2020 - March 2020*

Developed a German language learning app using Flutter for both platforms iOS and Android.

Used Firestore for database and Firebase Cloud Functions for backend calls.

### Mina Adly App

*Jan 2019 - July 2019*

Developed a learning management system application using native Android and iOS.

The app was used by students to check their grades, attendance, schedule and solve online interactive quizzes.

### Self-Driving Car

*Jan 2019 - Now*

Leading a team of 10 people working on developing a self-driving car.

Worked on several low level control modules including throttle, steering and brakes control.

Implemented a drivable area detection algorithm using fused data from Camera and LiDAR sensors using PCL library on C++.

Implemented a path planning algorithm that helps the car avoid obstacles on its path with A\* algorithm using python. Had the vehicle running its first full self-driving demo in November 2019

### Dormee

*Feb 2017 - May 2018*

Developed an Android app for Google Mobile Application winning startup application Dormee.

Lead a team of 4 people working on developing an Android app for the startup. Dormee is an Android application that helps expatriate students find a place to live in during their college period.

### Solarify

*Oct 2017 - Now*

Lead a team of four at NASA Space Apps Cairo 2017 winner project Solarify to develop a mobile app.

Used Native Android and Firestore to develop the application.

## EXPERIENCE

---

### Freelance Mobile Developer

*Jun. 2018 - Now*

- Worked as a freelance mobile developer communicating directly with clients.
- Developed several applications using Native Android and Flutter with Firestore services as backend.

### Namaa Co.

*April. 2020 - Now*

*Computer Vision Engineer*

*Cairo, Egypt*

- Working on developing data annotation and processing tools using PyQt5 framework as front-end.
- Working on developing several object detection and classification models detecting light poles, potholes, road cracks and other road objects.
- Working on developing computer vision algorithms to get accurate distance measurements between the vehicle and road objects.

**German University in Cairo***Teaching Assistant*

Sept. 2019 - Now

*Cairo, Egypt*

- Courses: CSEN301 Data Structures and Algorithms, CSEN909 Human Computer Interaction, CSEN1001 Computer and Network Security.

**Udacity***Mentor, Part-time*

March. 2019 - January 2020

*Cairo, Egypt (Remote)*

- Worked as a mentor at Udacity for students enrolled in the Self-Driving Car Engineer Nanodegree.