

# Muhammad Owais Siddiqui

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## Profile

Result-Oriented Computer Science Major (3.1 GPA) currently attending University of Karachi. Aiming to increase my problem solving skills.

## Awards

### HackerRank (Python),

Current Score : 1640 Current Rank : 19861

User Name : siddiquiowais390

## Skills

### Numpy

Higher Dimensional Arrays with a large collection of high-level mathematical functions

### OpenCV

Image Processing ,Edge Detection and Cascade Classifiers

### Matplotlib

Plotting library for python used for the data visualization

### Mediapipe

Google API supported for different programming languages commonly used for the Hand, Iris, Face and Object detection

### Scikit-Learn

Machine learning library for the Python programming. It features various machine learning algorithms

### Tensorflow

Tensorflow can be used across a range of tasks but has a particular focus on training and inference of deep neural networks.

## Courses

Python Basics, University Of Michigan

Machine Learning In Python, IBM Cognitive Class

Introduction to Deep Learning with Tensorflow, Udacity

Crash Course on Python, Google

Image Processing, Bleed AI

## Education

**Bachelor of Computer Science, University of Karachi**

Jan 2020 – present | Karachi, Pakistan

**Higher Secondary Education,**

Government Degree College Malir Cantt

2018 – 2020 | Karachi, Pakistan

## Professional Experience

### The Disrupt Labs

*Part-Time Machine Learning Engineer*

Jan 2023 – present | Karachi, Pakistan

- Training and Developing Image Classification Model using Tensorflow.
- YOLOv5: Sparsifying to Improve Object Detection Performance.

*Internship*

Sep 2022 – Dec 2022 | Karachi, Pakistan

- Bounding Box and Segmentation Annotation of Datasets in Roboflow.
- Training YOLOV5s model on Custom Dataset.

## Projects

### Person Counting,

YOLOv5 Deepspare Model with Kalman Tracking in Python

The goal is to count the number of person present in a ROI (Region of Interest) with Spartify YOLOv5 Model with Kalman Tracking to get 15+ FPS without any GPU.

### Mouse Movement through Eye Detection,

Pupil Detection Using OpenCV and Mediapipe

By the help of Mediapipe Facial Landmarks, determined the correct position of pupil to control the mouse.

### Restaurant Management System,

Object Oriented Programming in JAVA

Implemented the Restaurant Management System in JAVA, providing the facilities to the restaurant to add its menu and take orders from its registered menu.

## Certificates

### Python Basic

University of Michigan

### Introduction to Quantum Computing

IBM Cognitive Class

### Intro to Machine Learning

Kaggle

### Introduction to Computer Vision

Simplilearn