

# Adham Khaled

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## Experience

### NTI's Summer Training Program

Nov. 2022 - Oct. 2022

#### *Machine learning Intern*

*Python, pytorch, tensorflow*

- Learned various machine and deep - learning techniques and applied them in real world problems

## Education

### Helwan University

Sep. 2020- Ongoing

B.S. in Computer Science

Relevant Courses: Database (SQL & NoSQL), Operating System, Algorithms and Data Structures (C++)

## Projects

### E-library system

Feb. 2023 - April.2023

#### • *E library system which helps managing a library in automated way*

*MERN Stack*

- Advanced Search for books by BSSID & pattern matching for other attributes.
- CRUD Operations for manipulating the Stock
- Authentication & Authorization Using JWT

### Dynamic Company Profile

may. 2023 - Jun.2023

#### • *Dynamic website for Event scheduling Company to show there work*

*MERN Stack, supabase*

- Interactive modern front-end design
- CRUD for manipulating the Events of the company
- mailer module to support contacting the company

### Search Engine

Nov. 2023 - Dec.2023

#### • *Practical project on the positional index structure*

*Python*

- System can perform boolean queries, phrase queries
- ranking retrieved docs based on vector space model

### Object Detection Model

Nov. 2022 - Jan. 2022

#### *Built An Object Detection Desktop application.*

*Python, Tensorflow*

- with the help of Tensorflow framework using it's functional API to build a model consisting of two models , Regression model to detect the boundaries of the object and a classification model to classify different objects.

## Honors, Awards and Competitions

- Participated at Arab African Collegiate Programming Contest ( 2022 )
- Participated at Egyptian Collegiate Programming Contest ( 2021, 2022, 2023 )
- Solved +2000 problems on various online judges

## Leadership and Volunteering

### ICPC Helwan Community

Sep. 2020 - present

#### *Co-founder & Mentor*

- Guiding a community of CS students in their problem solving and Competitive Programming skills.
- Orchestrating coding sessions, and coding competition events to enhance skills and encourage continuous learning.

## Skills

### Languages:

Python, Java, C/C++, SQL, HTML, JavaScript, Scala

### Technologies & Tools:

NodeJs, ExpressJs, React.js, MongoDB, supabase, Git, Github, Linux

### concepts:

Object Oriented Programming, Problem Solving, Algorithms, Data Structures, Testing.