

MOHAMMED AHMED ABOREZKA

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I am a self-motivated recent graduate seeking a position as an AI researcher, where I can leverage my strong analytical and problem-solving skills to contribute to cutting-edge innovations. With a background in science innovation and hands-on experience in AI model development pipeline, I am driven by a passion for learning and discovery. I am eager to explore and develop new methodologies that add value to the field and advance industry standards.

Education

September 2017 - August 2022

- **Bachelor of Computer and Information Sciences**

Mansoura University

Department: computer science. **Grade:** very good.

October 2022 – November 2022

- **Data Analysis Professional Nano Degree**

Udacity

Experience

September 2023 – March 2024

- **Customer Service Agent at Etisalat UAE (English account).**

June 2024 – September 2024

- **Online Computer Science and AI instructor at ISCHOOL.**

Professional Training

Feb.2023-May.2023

**Digital Egypt Youth Initiative, National Telecommunication Institute (NTI), New Capital.
(AI Track)**

Technical Modules: (288 hrs)

- Programming Background
- Math and Stat Background
- Basic Course in Machine Learning (ML)
- Basic Techniques in Machine Learning
- Basics of Deep Learning (Computer vision domain)
- Application of Computer Vision Using Deep Learning
- Basics of Deep Learning (Natural Language Processing domain)
- Application of NLP Using Deep Learning
- Application of Data Series Using Deep Learning
- Introduction to Big data

Business Skills Modules: (132 hrs)

- Soft Skills training
- Business English
- Project Management
- Freelancing

Jun.2023-July.2023

RDI, Giza, Dokii

AI engineer (internship)

I worked on Named Entity Recognition project using transformers.

Attended session about using of transformers in NLP and main company NLP products.

Certifications

- edX MIT Verified Certificate for Introduction to Computer Science and Programming Using Python,2021
- edX Harvard Verified Certificate for CS50's Introduction to Computer Science,2023
- University of Michigan Python Data Structures,2024
- University of Michigan Programming for Everybody (Getting Started with Python),2024
- Coursera Supervised Machine Learning: Regression and Classification,2023
- AWS Academy Graduate - AWS Academy Machine Learning for Natural Language Processing,2023
- edX IBM Verified Certificate for Python Basics for Data Science,2021
- edX IBM Verified Certificate for Analyzing Data with Python,2021

Projects

- **Python Machine Learning Sentiment Analysis On Arabic Data Set**
In this study, I extracted the data from the restaurant recommendations dataset, cleaned the data, and preprocessed it, also I applied a machine learning model with an accuracy of 84%.
- **Converting laptop screen to touch screen using Arduino distance sensor**
In this project, I used an Arduino distance sensor to collect singles after attaching it to a computer screen. I then used the singles to control mouse movement on the screen and convert same distance readings that did not change for a number of seconds to clicks on the region where the mouse stopped. I applied on the Arduino board, which did not support the mouse library, therefore I used Python with Arduino to complete the project
- **Python – Explore USA Bike-Share Data**
I Built a Python script that asks for information from the analysis of three excel files and returns a report with the answers.
- **Python – Investigate an Excel Data Set - TMDb_Movie_Data**
I succeeded to answer questions about the dataset after wrangling and repairing missing values, cleaning the data, and handling outliers. In the end, I produced a report and drew some diagrams.
- **Cost Optimization of Location-Based Shopping (graduation project)**
An application I developed that makes it possible to find the cheapest market near you with the help of your mobile device.
- **Named Entity Recognition**
I put forth effort to gather information about the dataset so that we may improve the outcomes by fine-tuning an AI model. The supervisor taught me a lot throughout this project about the proper procedures to follow and the programming approaches used when working with a team in a corporation

Skills

Technical:

- Python
- SQL
- Use Machine learning frameworks (Scikit-learn)
- Use Data analysis tools (Pandas, Numpy)
- Data visualization using(Matplotlib, Seaborn)
- Data wrangling
- Exploratory data analysis

- Simple 2D Game Development using Godot Engine
- Simple 2D Game Development using Unity Engine
- Knowledge about Agile methodologies (Scrum, Kanban)

Languages:

- English: professional

Awards

- **Bapco Green School Award.**

We made a scientific study about under soil watering system with new design made by us that can work in countries with high temperature to save water consumption

Bapco

- Third Place, 2016
- Second Place, 2017

- **Globe Future Scientists ▪ Ministry of Education Bahrain.**

Reduce motor used energy by improving the gear system.

Ministry of Education, Bahrain

- Participant, 2016
- First Place, 2017

- **Vex Robotics, Bahrain Closeouts ▪ Ministry of Education Bahrain**

Ministry of Education, Bahrain

- Qualified for Top Ten Teams, 2016

Interests

- Basketball
- Reading
- Carpentry
- Arduino projects

Volunteering

- **Ministry of Education ▪ Muharraq ▪ Bahrain**

- I worked as a librarian's assistant