

MOHAMED ABDELHAQ

Cairo, Egypt  +201000539560 Military Status: **Exempted**

 mohamed.abdelhaq99@gmail.com

 linkedin.com/in/mohamed-abdelhaq

 github.com/mohamedabdelhaq-123

Experience

Cellula Technologies

Machine learning Intern

Remotely

Feb 2025 -March 2025

- Built ML models for hotel booking data, applying classification for cancellation prediction and regression for price estimation, supported by robust preprocessing, EDA, and model evaluation.
- Deployed a Flask API for real-time predictions with clean input handling and structured outputs, making it easy to connect with other backend systems or applications.

Udacity

Cairo, Egypt

Session Lead in the DECI Program by the MCIT

Feb 2024– May 2025

- Deliver monthly 3-hour sessions for the 5-year DECI program, engaging students aged 12–17 through gamified, age-appropriate technical lessons, group activities, and guided reflections to build future digital leadership skills.

Education

Egyptian Academy for Engineering and Advanced Technology

Sep. 2020 – July 2025

Bachelor of Engineering in Mechatronics by Cumulative GPA: B with honors

Cairo, Egypt

Graduation Project: Side-Walk Autonomous Delivery Robot.

- Developed sensor fusion with GPS, IMU and encoders to enhance pose estimation and navigation accuracy.
- Applied low-level fusion of ultrasonic, odometry, and gyro data to reduce drift and improve obstacle detection.

Courses

Data Scientist Track in DEPI | Ministry of Communications and Information Technologies

Oct 2024– May 2025

ISTQB Course / Orange Digital Center

Feb 2025

AI Career Essentials / ALX Africa

July 2024

Mastering of Git and GitHub / Udemy

July 2024

Introduction to Software Testing Concepts and Techniques / MaharaTech

Mar 2024

CS50 / Edx, Harvard University

Sep 2023

Projects

Sales Forecasting & Demand Prediction | [GitHub](#)

Hotel Cancellation Prediction System with Flask API Deployment | [GitHub](#)

Predictive Analytics for Breast Cancer | [GitHub](#)

Analyzing Average Hotel Booking Prices | [GitHub](#)

Technical Skills

Languages: C, C++, Python, HTML/CSS, JavaScript, OOP, SQL, Assembly

Backend Development: Flask, REST APIs, Postman, Git, Node.js, LLM integration

Developer Tools: Code Blocks, MATLAB, VS Code, Notepad++, Arduino IDE, GitHub, Postman

Developer Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, PyTorch, TensorFlow

Data Science Skills: Data Preprocessing, EDA, Feature Engineering, Visualization, Model Evaluation

Volunteering

IEEE

Oct. 2022 – May 2025

Secretary

IEEE EAEAT SB

The secretary is responsible for managing meetings, maintaining communication, keeping records, coordinating events, preparing reports, supporting the chair and board members and ensuring compliance with IEEE policies.

IEEE Egyptian Student Paper Contest (ESPC)

Oct. 2024

5th in Egypt -- Top 33 in IEEE Region 8 (Europe, Africa & Asia) | [Mail](#)