

Omar Mohamed Aboelfetouh

Computer Engineering student

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Education:

Bachelor of Engineering, Computer Engineering, Ain Shams University, 2020 - 2025

- Major: Computer Engineering
 - GPA: 3.24/4.00
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Work Experience:

Programming Instructor, GoMyCode, March 2023 – Now | Part-time

- Teaching Programming with Python, Algorithms, Data Analysis, and Machine learning algorithms

STEM Instructor, Engineeius Egypt, January 2022 – January 2023 | Part-time

- Instructed Advanced Robotics (Arduino) and C++ programming to 9 to 14-year-olds
- Contributed in FLL (First Lego League) Competition
- Created extra programming content in the summer to support

Backend Developer, Bey2olak, September 2022 – October 2022 | Part-time

- Responsible for the APIs development

Backend Developer, Bey2olak, July 2022 - September 2022 | Internship

- Learned backend development concepts (HTTP methods, Databases, API, etc.)
 - Learned FastAPI, got familiar with Fastapi admin project
 - Used Databases (SQLite SQL) and Models (tortoise and Pydantic)
 - Used Postman for software testing
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Extra Curriculums:

Debating workshops | Eduquality – The British Council, Trainee, September 2022

Contributed in several debates, was praised to consider feedback and evolve public speaking skills.

I also Contributed in a world café where I presented my ideas to develop the community in Masr el Gdida

Google Developer student Club (GDSC), Chapter Founder and Leader, July 2021 – July 2022

I learned how Leadership and communication skills as I directed and created Programming content

(Python – C++) 5 tracks and a collaboration track with 3 GDSC chapters as well as the Solutions

Challenge Event with +10 chapters. Demonstrated effective leadership skills by fostering a friendly and communicative environment to guide and mentor teams.

Courses:

- Tensorflow professional Certificate, Deeplearning.AI, February 2022
- Deep Learning Specialization, Deeplearning.AI, November 2021
- Introduction to Artificial Intelligence, GoMyCode, September 2021

Projects:

Data Science – Machine Learning: Time Series analysis

Used ARIMA and xGBoost to predict future values of a time series

Link: [Project on GitHub](#)

Technologies: Matplotlib, Pandas, NumPy

Full Stack: Two Games Website (Backend and Frontend)

A website that allows users to register and play 2 different games and saves their scores
Frontend with Nodejs (Reactjs), Backend with Fastapi python, both are integrated with SQLite database through an ORM (Tortoise ORM). The project was deployed on an AWS server

Link: [Project on GitHub](#)

Technologies: Python, FastAPI, Nodejs, Reactjs, AWS deployment

Skills:

- Programming Languages:
 - Python
 - C, C++
 - java
- Backend work frames:
 - FastAPI
- Frontend work frames:
 - Reactjs
- Machine Learning work frames:
 - Tensorflow, Keras
 - Sklearn
- Data Analysis for work frames:
 - NumPy, Pandas, Matplotlib, Seaborn

Soft Skills:

- Team Leadership
- Communication
- Presentation
- Debating