

Omar Elsherif

AI Engineer

✉ omarelsherif010@gmail.com ☎ +201010331410 📍 Alexandria, Egypt

🌐 linkedin.com/in/omarelsherif010 🏠 github.com/Omarelsherif010

Education

Bachelor of Medical informatics (Computer Science),
Faculty of Computers & Artificial Intelligence, Benha University
- CGPA 3.89/4.0 - Ideal Student of the Year 2023

10/2019 – 07/2023
Egypt

Professional Experience

LLM Engineer & AI Developer, GRINDA AI 📄

05/2024 – present
South Korea (Remote)

- Developed advanced (RAG) systems and intelligent agents using (LLMs) and Langchain.
- Conduct data collection and web scraping for high-quality datasets.
- Deploy LLM applications on AWS, ensuring scalability and performance.
- Designed and implemented an OCR system using Llama_parse to extract and parse text from Korean PDFs.
- Fine-tuned multilingual translation models supporting 19 languages using Hugging Face Transformers, optimizing Qwen 7B and 32B for translation task.
- Utilize Streamlit and Gradio to create interactive demos, showcasing models intuitively.

Computer Science Instructor, Ischool DEMI Program 📄

06/2024 – 08/2024
Egypt (Remote)

- Teach Computer Science fundamentals to Grade 4 students using code.org 📄

Python Developer - SBOL Industrial 2022 Summer Intern, SBOL Industrial 📄

08/2022 – 11/2022
UK (Remote)

- Created DNAPlotlib2 📄 data structure to draw Complex Bio-Designs
- Use paraSBOLv to render internal parts and draw diagrams
- Use pySBOL3 to load data from SBOL3 files to DNAPlotlib2
- Visualize data and interactions from SBOL3 data files

Research Assistant - Image sharpening exploratory study,

09/2021 – 12/2021
Canada (Remote)

Dr. Mohamed Abdelhack research project

Investigation of the image sharpening method that is closest to human brain

- Using Photoshop and traditional image enhancing methods
- Deep learning-based improving methods to blurred images
- Presenting our work results on Neuromatch Conference 4 📄

Skills

Python, FastAPI, Supabase, PostgreSQL, Prisma, Pytest, BeautifulSoup, Selenium

Git, GitHub Actions, Azure, AWS, Runpod, Docker

Pandas, Numpy, Matplotlib, Seaborn

Sklearn, Tensorflow, Pytorch, OpenCV

LangChain, LangGraph, HuggingFace Libraries (Transformer, Datasets, Accelerate), Unsloth

OpenAI API, Llama_parse, Qdrant, Pinecone

Projects

Revive My Memory - Graduation Project [↗](#)

09/2022 – 06/2023

- Project Management using GitHub Project Board and Discord
- Analysis of Meta Data and MRI images from ADNI through Microsoft Azure
- Build and Deploy machine learning model for MCI classification
- Create Azure Machine Learning Pipeline for our model

AI Diet Assistant [↗](#)

09/2022 – 10/2022

- Hack and Wellness 2 ([MLH Hackathon First Overall Winners](#)).
- Allow fitness hackers to compete with each other through sharing their progress.
- AI helps our heroes to generate their diet plans based on their information.
- Participated in generating Machine Learning model and guided my team on GitHub.

DevMed Health Center 22 [↗](#)

08/2022 – 09/2022

- Django project with deep learning models
- This is a health center where patients can reserve an appointment with the health center. And Doctors can share their tips through posts on the website
- Used Deep learning model to help the patient know if he has covid-19 or not
- Used GitHub Actions to automate testing and deployment of the project

Certificates

- | | | |
|---|--|---|
| • AWS Certified Cloud Practitioner (CLF-C02) ↗ | • Microsoft Certified: Azure Data Fundamentals (DP-900) ↗ | • Huawei Certified ICT Associate (HCIA) in AI ↗ |
| • AI Analyst Mastery Award (IBM Skills Academy) ↗ | • Deep Learning Scientist in Python Skill Track (DataCamp) ↗ | • ML Scientist Python Career Track (DataCamp) ↗ |

Courses

- | | |
|---|-------------------|
| Train & Fine-Tune LLMs for Production , <i>ActiveLoop</i> | 09/2024 – 11/2024 |
| Federated Fine-tuning of LLMs with Private Data , <i>DeepLearning.AI</i> | 11/2024 – 11/2024 |
| Cloud DevOps on AWS Nanodegree , <i>Udacity</i> | 05/2022 – 07/2022 |
| Advanced Data Analysis Nanodegree , <i>Udacity</i> | 09/2020 – 11/2020 |
| InnovEgypt program , <i>Technology innovation & entrepreneurship</i> | 08/2020 – 09/2020 |
| Machine Learning Scientist Python Career Track , <i>DataCamp</i> | 03/2020 – 04/2020 |

Volunteer Experience

GitHub Education, *GitHub Campus Expert* [↗](#)

05/2022 – 06/2024

Founder of the Arab Contributors community where we build a better community around Open Source and Hackathons with the supervision of GitHub.

Microsoft Learn, *Microsoft Learn Student Ambassador*

04/2021 – 07/2023

Guide students to develop technical and career skills for the future using Microsoft Learn.

GirlScript Summer of Code , <i>Campus Amabssador of the MENA Region</i> Helping students get into Open-Source through participating in GSSoC 21/22 projects	02/2021 – 05/2022
Google Developer Student Clubs , <i>Vice Leader of Benha Branch of GDSC</i> Provided sessions about Machine Learning and Open Source.	09/2020 – 06/2021
Udacity - EGFWD , <i>Udacity Student Ambassador</i> ↗ Collaborating with egFWD to help Egyptians learn Web Development, Data analysis, and Digital Marketing from powerful Nanodegrees offered by Udacity.	11/2020 – 03/2021