Omar Mohamed Osman Ahmed Mohamed Ibrahim

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SUMMARY

Computer Engineer, ex-Navy officer and Google Certified Data Analyst/Scientist with 4 years of professional experience in Programming and a lifelong passion for computers.

Language Skills:

- **Arabic (Native)** | • **French (A2)**
- **English (C1) (TOEFL: 95)** | • **German (A1)**

EXPERIENCE

• AI Engineer
Scale AI   April 2024 -
AI Engineer | LLMs RLHF and CoT Trainer & QA   Remote.

- Flamingo.ai
- Google (Bulba)
- The Lemur Project
- OpenAI (The Hard Colosseum)

• Data Scientist
Egyptian Naval Forces   November 2021 - October 2023,
Reserve Officer | Data Scientist | Data Analysis Tutor.   Alexandria, Egypt.

EDUCATION

• Bachelor's degree, Computer Engineering
Helwan University   September 2016 – May 2021,
Minor in Communication and Electronics Engineering   Cairo, Egypt.

• High School
The English School in Cairo   September 2013 – July 2016,
                                                                          Cairo, Egypt.

COURSES

•**Reinforcement Learning from Human Feedback (RLHF)**   April 2024
DeepLearning.AI.

•**Finetuning Large Language Models (LLM)**   March 2024
DeepLearning.AI.

•**Google Advanced Data Analytics Professional Certificate**   January 2025
Google.

•**Google Data Analytics Professional Certificate**   February 2024
Google.

•**Supervised Machine Learning: Regression and Classification.**   February 2021
Stanford University

•**Data analysis professional, Nanodegree program.**   October 2020
Udacity

SKILLS

Programming:
Python (Pandas, NumPy, Matplotlib, PyQt, OpenCV, Scikit-learn, TensorFlow, PyTorch, …)
R (Dplyr, Ggplot2, Tidyr, …)
MATLAB, Octave.

LLMs: (GPT, Mistral, LLaMA) APIs, Prompt engineering, LangChain
Reinforcement Learning from Human Feedback (RLHF) trainer and QA
Chain of Thought (CoT) trainer and QA

Data Visualization: Microsoft Power BI, Tableau.
Database management: SQL, SQLite, PostgreSQL, Microsoft Access.
Spreadsheets: Microsoft Excel, Google Docs, LibreOffice Calc.

Other Programming Languages: C++, C, Java, Bash scripting, Assembly language, Lua, Prolog.

Other Skills:
Good Experience in Using New AI Tools: ChatGPT, DALL-E, Gemini, Claude, Midjourney.
DevOps: Docker, Kubernetes, Kubeflow.
Web Development: HTML, CSS, RESTful API, Spring Boot, Flask.
Version Control: Git, GitHub.
Descent Experience in: Adobe Photoshop, CapCut, Arduino, Microsoft Office– Google Workspace.

Development Environments: Linux, Windows, Mac.
IT: Hardware maintenance and installation, Software Installation and Troubleshooting.

COMPETITIONS

• **Embracing AI in Business – Hackathon**   *Sklearn, Pandas*

Sales Synergy: Employing AI and Data Science for Production and Stock Level Optimization.

VOIS.   **March - 2024**

• **RAS - AUXILIO 2.0 - Competition**   *Ros, OpenCV, Arduino*

Competitive Robot Arm: Powered by Arduino, ROS, and Computer Vision for cutting-edge automation.

IEEE.   **May - 2018**

PROJECTS

Electronics Threats Library: *Sklearn, SQL, PyQt*

Electronics Threats Library: A Windows Program that provides a GUI for a group of Database Tables,
and allow the user to browse, add, edit, delete, and search the tables using different methods and algorithms
to help the user finding what he is looking for.

Graduation Project: *OpenCV, PyTorch*

Hieroglyph Image Translator: Android app that uses computer vision, machine learning,
and language models to detect Hieroglyphic signs from images and provide the best possible English translation.

C.O.R.O Project: *Python, SQL*

Phone Rental Management System: Desktop system that uses barcode scanning to rent out phones to customers,
track rental time, and generate invoices.