

Mohamed Elsayed

AI Engineer

mohamedelsayed3487@gmail.com | +201229437097

Egypt

[LinkedIn](#) | [GitHub](#) | moelsayed.com



AI Engineer with 3+ years of experience building agentic AI, LLM and machine learning applications, deployed to production on the cloud. Represented Egypt at the African level of the Huawei ICT Competition and earned the Kaggle Expert title, ranking in the top 5% of users. Experienced in LangGraph, LangChain, RAG, tool calling and Python services with FastAPI, PostgreSQL and Docker.

EDUCATION

B.Sc. Computer Science

Sep 2021 – Jul 2025

Zagazig University

Sharkia, Egypt

- **Relevant coursework:** Algorithms and Data Structures, Database Systems, Operating Systems, Object-Oriented Programming, Networking Fundamentals, Data Modelling, Problem-solving.
- Final Grade: 2.2

WORK EXPERIENCE

AI Engineer, Part-Time

Oct 2024 – Dec 2025

MessengerCo

Remote, Malaysia

- Led the development of a recommendation system to enhance user engagement and content personalization.
- Collaborated with cross-functional teams to integrate machine learning models into the platform.
- Optimized algorithms for scalability and performance, ensuring real-time recommendation delivery.
- Researched and implemented state-of-the-art AI techniques to improve recommendation accuracy.

AI Engineer, Freelance

Jan 2023 – Present

Self-Employed (Upwork & Khamsat)

- Completed numerous AI and machine learning projects for clients across various industries.
- Developed custom AI solutions, including predictive models, data analysis, and automation systems.
- Built and fine-tuned machine learning algorithms to solve real-world problems, ensuring high client satisfaction.
- Managed client communications, project timelines, and delivery of high-quality AI-driven applications.

OPEN-SOURCE CONTRIBUTIONS

FullDots [link](#) | Local-first, self-hosted AI coworkers with MCP tools (open source, MIT); contributor, 2 merged pull requests

Tools used: TypeScript, React, Docker, SQLite

- Built a guided Docker setup for agent computers: a setup engine that runs fixed, per-platform commands without a shell and only after the owner approves them, with a setup panel and approval-gated agent tools; verified on Windows 11 (PR #38).
- Added file storage to Spaces: a viewer for CSV, Markdown, JSON, images, PDF and sandboxed HTML, agent tools to save and read files, and chat cards that open results beside the conversation; hardened with server-side type detection and a strict CSP (PR #42, 50 files).

PROJECTS

GigPing [link](#) | *Freelance job alerts (gigping.molabx.com)*

Tools used: *Stripe, Jobs API*

- Built an email job-alert service for freelancers that monitors MostaqI, Nafezly, Kafil, Ureed, Freelancer and Upwork and emails the listings that match saved skills, keywords and budget.
- Collects jobs every few minutes, removes duplicates, and sends a daily digest or instant alerts on the paid plan, with a full Arabic interface.
- Offers a free and a Pro subscription with Stripe payments, plus a Jobs API (delayed on the free tier, real-time stream on Pro).

CvPal [link](#) | *Open-source Python package for computer vision (cvpal.dev)*

Tools used: *Python, OpenCV, NumPy, Pillow, PyPI*

- Created and maintain a Python package that simplifies image processing, dataset handling and synthetic data generation for computer vision engineers.
- Designed a chainable image-processing pipeline and published it to PyPI as open source.

ACTIVITIES & ACHIEVEMENTS

- Participated in the **Huawei ICT Competition 2022-2023**; ranked among the **top 24** in Egypt in the **Cloud track**.
- Represented **Egypt** in **Africa**, competing with over 150,000 students from over 2,000 universities and colleges across 85 countries and regions.
- **Kaggle Expert** in data science, ranking among the top 5% of users.
- Run a **YouTube channel** sharing problem-solving videos, solving **LeetCode** problems.
- **Huawei Ambassador** at Zagazig University.

TECHNICAL SKILLS & CORE COMPETENCIES

- **Programming:** Python, C/C++, SQL, JavaScript, HTML5, CSS, Bootstrap, Linux, Git, FastAPI, REST APIs, PostgreSQL
- **AI & Machine Learning:** Agentic AI, LLMs, RAG, ML, Deep Learning, TensorFlow, Keras, Scikit-Learn, PyTorch, Computer Vision, pandas, NumPy, Matplotlib
- **LLM Engineering:** Tool Calling, LangGraph, LangChain, Prompt Engineering, Model Evaluation
- **Cloud & DevOps:** Docker, GCP, CI/CD, Linux (Ubuntu, CentOS), Git, GitHub, Postman
- **Scraping:** BeautifulSoup, Selenium, requests

LANGUAGES

- **Arabic:** Native; **English:** Full professional proficiency – C1; **German:** Intermediate – A2, pursuing B1