Mohamed Emad Mahrous

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EDUCATION

- **Misr University for Science and Technology** — Giza, Egypt
  Bachelor's degree in Computer Science 3rd; GPA $\approx$ 3.5 — *Oct 2023 – July 2027*

EXPERIENCE

- **SaiKet Systems** — Remote
  C/C++ Programming Intern — *July 2025 – Present*
  - **C/C++ Developer**: As a C/C++ developer intern, I was responsible for developing high-quality, maintainable CLI and GUI application using **GTK** and **FLTK** libraries for the GUI components. My work also involved implementing efficient **data structure** and **algorithms** for CLI tools, designing **text manipulation and editing algorithms**, and creating user interfaces aligned with the program's functionality.

- **Fayoum Oncology Center** — On-Site
  IT intern — *July 2025 – Present*
  - **General IT Intern**: In this role, I worked with big data and gained hands-on experience with large-scale organizational systems. I explored how inventory management systems operate and learned about hardware components related to networking. This included configuring and managing network services across the hospital, working with access points, rack servers, and other essential networking infrastructure.

- **Outlier** — Remote
  Coding Expertise for AI Training — *Nov 2024 – Present*
  - **Reviewer**: As a reviewer, my role was to rank and evaluate contributors and then decide whether a task was good enough to be approved or not.
  - **Contributor**: In this role, I enhance Large Language Models (LLMs) by designing coding tasks, crafting prompts, and evaluating responses to ensure model improvement. My work includes testing and validating code, ranking and refining outputs, and iteratively guiding the model toward optimal performance in real-world coding scenarios.

- **MUST ICPC COMMUNITY** — Giza, Egypt
  Coding Instructor — *Sep 2024 – Present*
  - **Sessions**: Sessions were almost the main part of this role as a coding instructor to my college mates. I prepared my sessions by creating a LaTeX file for the content and integrating tools like Vim and Zathura, while also solving various types of problems during the sessions.

- **Peer Tutor** — Hybird
  Personal teacher — *Summer 2023 – Nov 2024*
  - **DSA**: Provide one-on-one and group sessions to my peers, helping them understand complex concepts like Data Structures and Algorithms and apply them to real-world projects to ensure the idea was effectively conveyed.
  - **STEM subjects**: I also delivered sessions on STEM subjects such as Math, Physics, and Chemistry, interpreting complex concepts and paving the way for students to build a strong foundation in these topics.

PROJECTS

- **Personal Blog**: I created an entire personal blog from scratch without using any templates, and here is the main focus of this project:
  - Developed a personal blog using plain HTML and CSS
  - Utilized a C program/Shell script to fully automate the website, wether it is a blog creation or updating any information in it.
  - Successfully maintained a compact website size, keeping it under 8KB.
  - Published and managed the blog using GitHub Pages, demonstrating proficiency in version control and webhosting.

ACTIVITIES AND ACHEVEMENTS

- **Got the 1st place** at E-book and hologram technology competition and how to implement it at school education.

SKILLS

- **Languages**: C++, Python, C, Java, HTML, CSS, Javascript, MySQL, LaTeX, Bash, Vim, Linux, Git