

SAIFALDIN ELABYAD

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EDUCATION

Bachelor of Computer Science, Student at Faculty of Computers and Information Menoufia University
Relevant Coursework: Data Structures, Algorithms, Web Design and Development, Operating Systems, Mathematics, Computer Architecture, Programming, Systems Analysis and Design, Discrete Mathematics, and Networks.

Expected Graduation: August 2026

Current GPA: 3.665/4.0

EXPERIENCE

Programming Instructor

Coademy

August 2024 - Present

Part-time

- Teaching students, develop curriculum, and mentor them in coding and problem-solving skills.

Freelance Front-End Developer

Dr Osama Amer Dental Clinic

August 2023 - October 2023

Part-time

- Developed a responsive website for a dental clinic, emphasizing intuitive user experience and attractive design.
- Developed a gallery feature to highlight previous work and successful treatments.

SKILLS

Technical Skills

C++, C, Java, JavaScript, HTML, CSS, PHP, Python, SQL

Tools & Frameworks

Git, GitHub, Linux, Vim, React JS, VS Code, MySQL, IDEs

Soft Skills

Communication, Time Management, Teamwork, Continuous Learning

PROJECTS

Simple Linux Shell | C, Linux

- A custom implementation of a simple shell, designed to execute user commands similarly to the bash shell. ([GitHub Repo](#))

Gitlet | Java, File Handling

- Collaborated with a teammate to develop a Git-like version control system, utilizing hashing and DAG traversal techniques. ([GitHub Repo](#))

Wallet's Worst Nightmare | HTML, CSS, JavaScript, React JS

- Simple e-Commerce website for basic online shopping, including product browsing, cart management, and purchase completion. ([GitHub Repo](#))

Path-Finding Visualizer | C++, SDL2

- Visualizer for path-finding algorithms to determine the path from a start point to a finish point on a 2D grid. ([GitHub Repo](#))

AskMe | C++, OOP, File Handling

- A simulation of the ASKfm website, featuring a robust login system, operations including printing questions sent and received, and functionalities to ask and answer questions. ([GitHub Repo](#))

EXTRA-CURRICULAR ACTIVITIES

- Contestant at The 2023 ICPC ECPC, And Co-coach at The 2024 ICPC ECPC.
- I have solved over 1000 problems on various platforms like Codeforces, LeetCode, AtCoder, and Vjudge.
- Mentored +200 university students in algorithmic problem-solving techniques.