

Ahmad Elemam

Software Engineer

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EDUCATION

Helwan University

Bachelor's Degree in Computer Science

Cairo

Sep. 2021 – Jun 2025

EXPERIENCE

Scale Ai

Jun 2024 – Oct 2024

Software Engineer

- Contributed to the training of large language models, enhancing generative AI performance in code tasks.
- Developed a unique methodology that enabled collaborative learning and streamlined issue resolution processes
- Focus on efficient algorithm development, solution optimization, and problem-solving
- Designed and implemented evaluation strategies to identify model weaknesses

PROJECTS

Fresh Cart Ecommerce | React, React-Router-Dom, Context API, Bootstrap

Oct 2024

- Integrated secure user authentication with JWT and managed API communication using Axios
- Deployed responsive e-commerce site with real-time notifications and SEO optimization on Vercel

Multi-Threaded File Searcher | Python, GUI Framework(Tkinter), Multithreading

Jul 2024

- efficiently search for keywords across multiple files concurrently.
- Built a responsive Tkinter GUI that tracks real-time progress for each thread.

Whistle | Java Spring Boot, Spring Data JPA, RESTful APIs

Oct 2023

- enabling users to create, and manage social media posts and threaded comments with seamless API integration.
- ensuring scalability and performance in handling large volumes of user-generated content.

Tetris Game Solver | Java, Multithreading

Jun 2023

- Implemented a multithreaded backtracking algorithm to solve Tetris-like puzzles on a 4x4 grid.
- generating and caching all valid configurations of each piece in advance to minimize runtime calculations

Gym Management System | Java, JavaFX, GUI

Jun 2022

- implemented core functionalities, data access control, and training schedule assignment.
- Designed class hierarchies and role-based access controls to ensure modular, scalable functionality.

SKILLS

Languages: Python, Java, C, C++, C#, HTML, CSS, JavaScript, SQL.

Frameworks: Tailwind CSS, Bootstrap, React, Node.js.

Developer Tools: Git, GitHub, Docker, VS Code, Postman, GraphQL, Trello.

Technical Skills: Problem-Solving, Competitive Programming, Data Structure, Algorithms, OOP.

Soft Skills: Communication, Collaboration, Adaptability, Leadership, Time management, Flexibility, Decision-Making.

ACHIEVEMENTS

Egyptian Collegiate Programming Contest

Spring 2024

- Qualified in 2023/2024 to Egyptian Collegiate Programming Qualification (ECPC).
- Achieve the **Sixth place** in Helwan Qualification in 2024
- Became **Pupil** on CodeForces in Helwan Qualification in 2024

LANGUAGES

Arabic: Native.

English: Advanced