

Laila Mohamed Fikry

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Professional Summary

Motivated and detail-oriented software engineering undergraduate with a strong foundation in systems programming, algorithms, and full-stack development. Experienced in C, Java, Python, and web technologies through academic and team-driven projects using Agile methodologies. Proven ability to collaborate, meet deadlines, and build efficient, scalable solutions with API integration. Actively seeking internship opportunities to apply and grow in dynamic, real-world environments.

Education

Egyptian Russian University, Bachelor of Software Engineering, GPA: 3.4/4.0

September 2023 – May 2027

- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Artificial Intelligence, Computer Science, Programming

Experience

ALX Africa, Software Engineering Intensive Training Program (Hybrid)

October 2023 – July 2025

- Completed a 15-month intensive hybrid training program focused on full-stack development, systems engineering, and collaborative problem-solving
- Developed 30+ real-world projects using C, Python, JavaScript, and SQL, applying Agile methodologies
- Designed and deployed RESTful APIs and dynamic web applications with React.js and Node.js
- Managed servers and automated tasks using Bash scripting and Linux environments
- Led and collaborated on team-based software projects using Git for version control and Scrum practices
- Practiced test-driven development, conducted peer code reviews, and debugged in production-like environments
- Gained hands-on experience with MySQL and MongoDB for database management

Training & Certifications

National Training Academy, Professional Development Program

October 2024

- Value Initiative with Hayah Karima Foundation
- Completed 4-day intensive training on emotional intelligence, freelancing, leadership, and CV writing

Projects

DishCraft (ALX Africa Portfolio Project) ([GitHub](#))

July 2025

- Led front-end UI/UX design using React.js and implemented user authentication for a team project
- Collaborated on database management with MongoDB to ensure seamless data flow
- Developed as a key component of the ALX Africa graduation portfolio, demonstrating full-stack capabilities with Agile practices

R-SkyOrb Mission Dashboard ([GitHub](#))

April 2025

- Developed the front-end using JavaScript and Bootstrap for a dashboard monitoring the R-SkyOrb high-altitude balloon system
- Implemented real-time telemetry visualization, subsystem status monitoring, interactive controls, and a modular component architecture

3D Raycasting Maze Game ([GitHub](#))

March 2025

- Built a 3D maze game in C using SDL2, collaborating in a 2-person team over 2 weeks
- Implemented collision detection, player movement, enemy AI, and dynamic maze with textures

Project Management System ([GitHub](#))

January 2025

- Developed a task manager in Java with SQL Server backend and JDBC integration
- Added user authentication, task assignment, and progress visualization features with unit testing

Simple Shell ([GitHub](#))

September 2024

- Designed a Unix-like shell in C handling built-in commands and system processes
- Implemented memory handling, process control, and error feedback

Skills

- **Programming Languages:** Python, Java, C, C++, C#, JavaScript, SQL, Shell
- **Web Development:** HTML5, CSS3, JavaScript, Bootstrap, React.js, Node.js, RESTful APIs
- **Back-End & Full-Stack:** API Design & Integration, MVC Architecture, Server-Side Scripting, Authentication, SQL/NoSQL Databases
- **Databases:** MySQL, SQL Server, MongoDB
- **Tools & Platforms:** Git, GitHub, VSCode, Ubuntu, MATLAB GUI, Postman, Shell, Cloud Computing
- **Development Practices:** Object-Oriented Programming (OOP), Data Structures, Version Control, Agile, Scrum, Test-Driven Development
- **Soft Skills:** Leadership, Communication, Time Management, Problem Solving, Team Collaboration
- **Typing Speed:** 33 WPM (97% Accuracy)

Volunteering

Computality Community (HR Team), Cairo, Egypt

2023 – Present

- Conducted interviews, managed internal records for 60+ members, and assisted in organizing university tech events

Languages

- **Arabic:** Native
- **English:** Fluent
- **Turkish:** Proficient
- **Russian:** Proficient