

# Alshimaa Mohamed

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## EDUCATION

### Cairo University

*Faculty of Computers and Artificial Intelligence*

Expected July 2026

GPA: 3.53 — IS Department

### Moharram Language School, Giza

*High School*

Graduated 2021

Score: 94.88%

## EXPERIENCE

### Cold Caller (Remote)

*AK-callers*

Apr 2024 – Oct 2024

*Giza, Egypt*

- Contacted American homeowners to inquire about property sale interest.
- Verified and updated property-related information with potential clients.
- Practiced professional communication skills in a remote role.

### Participant – Egyptian Collegiate Programming Contest (ECPC)

*Cairo University*

July 2024

*Egypt*

- Solved 3 algorithmic problems during the regional competition.
- Practiced teamwork, problem-solving, and time management under pressure.

## PROJECTS

\*Many of the projects were completed as part of team assignments or university coursework.

### Learning Management System (LMS) | *Java Spring Boot, MySQL, Postman*

- A web-based LMS for course management, assessments, and performance tracking.
- The system supports multiple user roles (Admin, Instructor, Student) with features like course creation, user management, quizzes, assignments, and more.

### Gomoku Game Solver | *Python, Tkinter*

- Developed an AI that plays the Gomoku board game using Minimax and Alpha-Beta Pruning algorithms.
- Designed an interactive GUI using Tkinter to visualize the gameplay.

### Task Organizer Platform | *Python Django, HTML, CSS, JS*

- A web platform for managing tasks and workflows for teachers and school admins.

### CPU Scheduling Simulator | *Java*

- Simulated CPU scheduling algorithms including SRTF, SJF, and Priority Scheduler with GUI to visualize the process.

### Java Web Crawler | *Java*

- A crawler to index and rank web pages using TF-IDF and cosine similarity techniques.

### Laravel Registration Webpage | *PHP Laravel, HTML, CSS, JS*

- A registration page as a practice to laravel framework with many features

### Data Warehouse & ETL Project | *SQL Server, SSIS, Power BI*

- Designed a data warehouse from a custom OLTP database.
- Defined KPIs, built a star schema, implemented ETL pipelines using SSIS, and created interactive dashboards in Power BI.

### Portfolio Website | *HTML, CSS, JavaScript*

- Designed and deployed a personal website to showcase projects and skills.

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, PHP, JavaScript, SQL

**Web Technologies:** HTML, CSS, JS, Django, Spring Boot, Laravel

**Tools & Platforms:** GitHub, VS Code, Power BI, IntelliJ, Eclipse, Pycharm, Clion

**Concepts:** SOLID Principles, OOP, Design Patterns, Data Warehousing

**Other:** Prolog, Problem Solving, B1 to B2 English, Strong teamwork & time management skills