

# Mina adel adly georgy

Heliopolis Street, masr el gedida , Cairo

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🔗 Mina-Adel-dev

## Education

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### Misr International University

Obour, Cairo

- *Bachelor of Cybersecurity and Data and Information Science*

2022 – 2026

### Collège de la Saint Famille

- *High School Diploma – General Studies*

2010-2022

## Projects

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### Hotel Management System | Java, JavaFx

OOP

- Developed a project and integrated it with a graphical user interface to master object-oriented programming fundamentals.

### Grading System | C++

- Engineered a comprehensive C++ grading system enabling instructors to upload questions, students to submit answers, and instantaneously receive grades; enhanced grading efficiency by 50% and reduced instructor workload by 30%.

### 4 bit random number generator using linear feedback register

DLD

- Completed software simulation using Circuit Verse and hardware, K-map, Boolean algebra, truth tables and flip flops .

### Word Frequency Counter & taxi booking system | C++, QT

DS

- Designed a word frequency counter to analyze text using HashMap, and APIs to determine sentiment, and displayed results in a GUI format.
- Designed and implemented a taxi booking system in C++, utilizing linked lists for dynamic booking management.

### Maze Runner Solver | Python, Tkinter

- Built an interactive maze-solving application using Tkinter, implementing A\* (A-star), Breadth-First Search (BFS), and Depth-First Search (DFS) algorithms to visualize pathfinding in real time.

### Peg Solitaire & crossword | C++, Latex

ALGO

- Created peg solitaire and crossword puzzles using the backtracking algorithm and documented the process using Overleaf.

### E-commerce bookstore | HTML, CSS, JS, Node.js, MongoDB

- Constructed the front-end using HTML, CSS, and JS, and backend using Node.js and MongoDB.
- Implemented secure user authentication with hashed passwords during sign-up and sign-in processes.

### Patient Tracker | *PHP, MySQL, JS, HTML, CSS*

*SWE,SA&D*

- Developed a healthcare management system with **MVC architecture** and **three dashboards** (Doctor, Patient, Admin).
- Implemented **secure authentication** (sessions, SQL injection prevention, password hashing, encryption patient) and **forgot password recovery**.
- Used **design patterns** like **Singleton** (database) and **Observer** (notifications).
- Utilized the **EAV model** for flexible doctor profile management.
- Documented the system with **SRS & SDD reports** and **a system analysis and design report**.

### Ransomware Attack Simulation & Incident Response | *Python, AES, DES, RSA*

- Simulated ransomware attacks using AES, DES, and RSA encryption algorithms.
- Demonstrated hash cracking techniques and applied the 7 phases of the Incident Response Plan (IRP) to detect, contain, and recover from the attack.

## Certifications and Courses

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| • Red Hat System Administration 1  | July 2025 |
| • IBM Information Technology Fundamentals ( <i>Credentialed by IBM SkillsBuild</i> ) | feb 2025  |

## Extracurricular Activities

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- Campus Sales  
Sold homemade cookies, brownies, and cheesecake at university events. Built great customer connections and made strong sales across campus.
  - Professional Gamer  
Played competitively in online tournaments and earned winnings. Learned teamwork, strategy, and how to stay focused under pressure.

## Languages

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- Arabic:** Mother tongue  
**English:** Fluent  
**French:** B2 Certification (Upper-Intermediate)