

Youssef Mohamed Hussein

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Date of birth	15/11/2005	Nationality	Egyptian
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EDUCATION

Sep 2023 - Jul 2027 Bachelors computer science, Misr International University

Technical Skills

Programming Languages: C++, Java, JavaScript

Web Development:

- Front-end: HTML, CSS, JavaScript
- Back-end: Node.js, Express.js
- Database: MongoDB

Software & Tools: Git & GitHub, VS Code, MongoDB Compass, QT, JavaFX, SQL

Concepts & Methodologies: OOP, Data Structures & Algorithms, Problem Solving, System Programming

Networking: VLSM, VLANs, OSPF, EIGRP, DHCP, NAT, VPN

Soft Skills: Teamwork, Communication, Event Organization, Team Leader

Projects

- **Bank Management System | C++ , Problem Solving**

Designed a console-based banking system to manage user accounts, deposits, withdrawals, and balance inquiries using structured programming and logical flow.

- **Library Management System | Java & JavaFX , OOP & GUI**

Created a desktop application for managing books, members, and borrow/return actions with an interactive interface and backend logic using JavaFX.

- **Word Frequency Counter | C++ & QT , Data Structures (Red-Black Tree)**

Built a GUI-based program to analyze word frequency in text files using Red-Black Tree for efficient insertion and retrieval.

- **E-Commerce Jewelry Store | HTML, CSS, JS, Node.js, Express.js, MongoDB Full Stack Web Development**

Developed a responsive online jewelry store with user authentication, shopping cart, product catalog, and all admin features. Used GitHub for team collaboration.

- **Network Design Project | Cisco Packet Tracer , Networking (VLSM, OSPF, VPN, NAT)**

Led the implementation of a full network setup including VLANs, dynamic routing (OSPF/EIGRP), VPN, DHCP, and wireless configurations. Produced a full technical report and ensured full connectivity.

- **Password & Plate Checker | C++ , Algorithms (DP & Greedy), Overleaf**

Implemented two systems:

A password validator using Dynamic Programming for rule-based generation

A license plate checker using Greedy Algorithm for format validation

Included performance analysis and comparison in a documented report.

Courses and Certifications

Responsive Web Design – FreeCodeCamp

Cybersecurity Job Simulation – Mastercard via Forage

Languages

English
Arabic

Excellent
Native

French

fair

Activities & Volunteering

- **Head of Event Planning – IEEE MIU Club**

Led the planning and execution of technical events, workshops, and student engagement activities.

- **Public Relations Member – ACPC MIU Club**

Handled communications, outreach, and promotion of programming competitions and tech events.

- **Volunteer Member – Move MIU Club**

Participated in community service and student-led initiatives to support campus life and social causes.

Hobbies

Volunteering and organizing events

Learning new Languages and cultures

Travelling

GYM / MMA