

Diaa ElDeen Amin Ibrahim Fouad

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EDUCATION

Misr International University

Bachelor of Computer Science (Expected July 2027)

Cairo, Egypt

October 2023 – Present

- Relevant coursework: Problem Solving, Data Structures, Algorithms, OOP, Web Development, CCNA, SOC

TECHNICAL SKILLS

Programming Languages: C++ (Advanced), Java, JavaScript, HTML/CSS

Frameworks/Tools: Node.js, MongoDB, SQL, Git

Software: VS Code, Visual Studio, Adobe After Effects, Illustrator

Networking: CCNA (In Progress), SOC (In Progress)

Languages: Arabic (Native), English (Professional Working Proficiency)

PROJECTS

Network Design and Simulation Project | *Packet Tracer, Networking Fundamentals*

(GitHub)

- Designed and implemented a full network topology using Cisco Packet Tracer covering subnetting, VLANs, and static/dynamic routing protocols.
- Configured routers and switches to simulate a real-world multi-departmental organization network.
- Troubleshoot network connectivity issues using diagnostic commands and simulation tools.

C++ Projects Collection | *C++, Data Structures, Problem Solving*

(GitHub)

- Compiled and uploaded all individual C++ academic and side projects into one organized GitHub repository.
- Projects include simulations, algorithmic comparisons, system designs, and interactive games.

Clinic Management System | *Java, OOP*

(GitHub)

- Developed a GUI application for managing patient records and doctor appointments
- Implemented search functionality with filters for patient history tracking

Movie Database Platform | *Full Stack JavaScript*

(GitHub)

- Architected responsive frontend with dynamic content loading and rating system
- Integrated backend services with MongoDB and Node.js for persistent data storage

COURSES & CERTIFICATIONS

Problem Solving, Data Structure with C++

Sep 2023 – June 2024

Misr International University

Cairo, Egypt

- Mastered core programming concepts: loops, functions, data structures, Algorithms
- Developed 5 complex projects 2 for demonstrating problem-solving skills and 3 for data-structure and algorithms

Motion Graphics

Feb 2024 – Present

Tahalip Academy

Online (Drive)

- Proficient in Adobe After Effects and Illustrator for animation workflows
- Created educational animations following style guidelines

CCNA (In Progress)

May 2025 – Present

Self-Study

Online

- Studying Cisco Certified Network Associate curriculum focusing on networking fundamentals, IP connectivity, and security

SOC (In Progress)

May 2025 – Present

Self-Study

Online

- Exploring Security Operations Center concepts, including threat detection and incident response

Computer Networks Course Project

Mar 2025 – May 2025

Misr International University

Cairo, Egypt

- Completed a hands-on project simulating enterprise network deployment using Cisco Packet Tracer.
- Demonstrated understanding of IP addressing, routing protocols (RIP, OSPF), and VLAN segmentation.