Diaa ElDeen Amin Ibrahim Fouad

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EDUCATION

Misr International University — Cairo, Egypt
Bachelor of Computer Science (Expected July 2027) — *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

Advising Center System | *C++, Problem Solving* (GitHub)
- Developed an academic guidance system handling course prerequisites and scheduling constraints
- Implemented file I/O operations for persistent data storage of student records

Bank Management System | *C++, Problem Solving* (GitHub)
- Built a secure transaction system with account validation and balance tracking
- Utilized polymorphism for different account types (savings/checking)

Matching Card Game | *C++, Data Structures* (GitHub)
- Engineered game logic using stack for card matching and queue for turn management
- Designed scoring system with time-based multipliers

Alarm | *C++, Data Structures* (GitHub)
- Making Alarm simulation project for add or delete or edit Alarms and connect it with the real Time
- Developed it to ring at the specific time that the user entered

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
- Developed REST API endpoints using Node.js with MongoDB for movie 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