

Ahmed Tarek

Cairo, Egypt

GitHub: [Mido191020](#)

Email : midotark@icloud.com

Mobile : +201095732445

LinkedIn: [Ahmed Tarek](#)

PROFESSIONAL SUMMARY

Ambitious computer science student with a strong foundation in object-oriented programming, data structures, and algorithms using C++ and C. Proficient in backend development with JavaScript and Node.js, experienced in both relational and non-relational databases. Awarded a certificate from college for assisting peers in competitive programming and problem-solving. Interned at Raya Holding for Financial Investments, where I developed a C Windows Forms chat application and supported team members. Passionate about solving problems, building solutions, and creating services that simplify people's lives. Interested in understanding software from low-level operations to high-level applications. Motivated by a strong passion for programming and a commitment to continuous learning and skill development, aiming to become a proficient and impactful software engineer.

EXPERIENCE

- **Raya Holding for Financial Investments** Cairo, Egypt
Software Engineer Intern Aug 2023 - Sep 2023
 - **Developed a C# Windows Forms chat application:** with real-time messaging capabilities and SQL Server database integration for secure chat log storage and management.
 - **Collaborated in an Agile team:** of six, participating in weekly sprints, resolving network conflicts, and gaining hands-on experience with sockets and server-client architecture.
 - **Implemented comprehensive logging system:** for chat messages with sender information and timestamps, using GitHub for version control and collaborative development.

PROJECTS

- **Chat Application:** Developed a real-time chat application using C Windows Forms and WebSocket, implemented SQL Server for persistent storage of chat logs, and designed an effective server-client architecture for smooth message handling. [GitHub: Chat Program](#)
- **Local Library Website:** Built an Express.js application for library management, implemented CRUD operations for books, authors, genres, and book instances, used MongoDB for data storage and PUG for frontend templating. [GitHub: Local Library Website](#)
- **Subscriber Management System:** Created a backend CRUD application for subscriber data management, designed and implemented RESTful API endpoints with Node.js and Express, integrated MongoDB for efficient data storage and retrieval. [GitHub: Subscribers CRUD](#)

SKILLS

- **Programming Languages:** C++, C#, JavaScript
- **Frameworks/Libraries:** Node.js, Express, PUG
- **Databases:** SQL Server, MongoDB
- **Tools:** Git, GitHub
- **Other Skills:** Data Structures and Algorithms, Networking, WebSocket, WinForms

EDUCATION

- **Ahram Canadian University (ACU)** Cairo, Egypt
Bachelor of Computer Science 2021 - 2025

AWARDS AND LEADERSHIP

- **Problem-Solving Instructor Award:** Recognized for mentoring peers and providing problem-solving guidance, Ahram Canadian University, 2023
- **Student Member Contribution Award:** Acknowledged for outstanding contribution and active involvement in the Student Union's initiatives to support and connect with the student community, Ahram Canadian University, 2023
- **ECPC Community:** Organized and led problem-solving sessions and workshops.
- **Computer Science Student Union:** Helped organize events and supported peers.
- **YouTube Channel:** Created content to assist others with software engineering concepts and exam preparation, and shared insights through online talks with experienced professionals.
- **Programmer Cafe on Twitter:** Founded and managed a community for programmers, discussing coding, technology, and career advice.