

# Ahmed Tarek

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<https://github.com/Mido191020>

## Summary:

Passionate Computer Science Student | Aspiring Software Engineer.

Enthusiastic and dedicated Computer Science student deeply passionate about the world of software engineering. Eager to learn and explore every facet of computer science.

I thrive in high-pressure environments, utilizing my strong problem-solving skills and creative thinking to overcome challenges. As an effective communicator and leader, I actively contributed to student union activities during my academic years.

My goal is to work with visionary companies, contributing to exceptional product development and meaningful innovations. Whether it's software engineering, networking, or exploring new technologies, I am dedicated to making a positive impact in the tech industry.

Skills: C++, Python, C#, OOP, Algorithms, Data Structures, Git, GitHub, SQL, Networking, Strong Communication, Problem-Solving, Self-Learner, Creative Thinker, Leadership Skills.

## Experience

### Software Engineer

Raya Holding for Financial Investments

Aug 2023 - Present (1 months).

**Gaining hands-on experience in C# and Windows Forms development, with a focus on network technologies like TCP and WebSockets.**

Developed and contributed to the project:[https://github.com/Mido191020/Chat\\_Program](https://github.com/Mido191020/Chat_Program)

## Projects

### Hospital Management System

**GitHub:**<https://github.com/Mido191020/hospital-management-system>

**Languages/Technologies:** C++, (Object-Oriented Programming)

**Description:** Created a hospital management system to efficiently manage patient data, including personal information such as name, age, gender, and admission date. Implemented features to track bed availability and facilitate streamlined operations within the hospital.

## Online Library System

GitHub: <https://github.com/Mido191020/online-library-system>

Languages/Technologies: c++, (Object-Oriented Programming)

Description: Designed and developed an online library system using object-oriented programming principles. Implemented features such as user and book management, book searching, and user searching, providing a comprehensive solution for efficient library management.

## Health-care Application

GitHub: <https://github.com/Mido191020/HEALSECARE>

Languages/Technologies: C#, Windows Forms, MySQL

Description: Contributed as a team member to the development of a health care application using Windows Forms, C#, and MySQL database integration. My primary focus was on creating a user-friendly GUI. The application encompasses a wide range of features, including patient registration, appointment scheduling, medical record management, and billing. It effectively utilizes a MySQL database for efficient data storage and retrieval.

## Ping-Pong-Game

GitHub: <https://github.com/Mido191020/Ping-Pong-Game>

Languages/Technologies: Python

Description: Developed a simple Ping Pong game using Python, offering classic arcade-style gameplay for users to enjoy.

## Chat App

GitHub: [https://github.com/Mido191020/Chat\\_Program](https://github.com/Mido191020/Chat_Program)

Languages/Technologies: C#, SQL, Windows Forms, WebSocket, UDP

Description: A simple chat application built using C# Windows Forms and WebSocket communication. This application allows users to exchange messages over a local network using UDP and stores chat logs in a SQL Server database.

## Education



Ahrum Canadian University - ACU

50, Computer Science

Oct 2021 - Oct 2025

## **Skills**

**Technical Skills:** C++, Python, C# • **Object-Oriented Programming (OOP)** • **Algorithms:** Designing and implementing efficient algorithms for • **Data Structures:** Arrays, Linked Lists, Stacks, Trees, Queues • **Version Control:** Git, GitHub • **Interpersonal Skills:** Strong communication skills • **Problem-Solving** • **Self-learner** • **Work under pressure** • **Creativity** • **Leadership skills.**

## **Other Curricular Activities**

**Student Union Volunteer:** Actively participated in various student union activities, collaborating with a team to organize events, coordinate student initiatives, and enhance the student community.

**Instructor on Problem-solving:** Instructor on Problem-solving for Level One and Level Two: Shared expertise in problem-solving by serving as an instructor for level one and level two students, providing guidance and support in developing effective problem-solving skills, and assisting them on the competitive programming path.

### **My profiles:**

- **LeetCode:** <https://leetcode.com/at744245/>
- **Codeforces:** <https://codeforces.com/profile/midoxmax>

### **Languages:**

- **Arabic:** Native.
- **English:** intermediate.