

# Ahmed Emad

## Software Engineer | Backend .NET Developer

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### Objective

Developed and delivered multiple projects for various clients and industries, applied research, teamwork, and problem-solving skills to various individual and group projects, pursue further education, career opportunities, and stay updated in the software engineering field.

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### Education Qualification

**Bachelor's Degree, Computer Science**

zagazig University -faculty of computer and information

Sep 2024 - Expected June 2028

GPA: 3.71 / 4.0 | Grade: A (First Year)

Activities: ICPC - International Collegiate Programming Contest

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### Applied Learning & Skill Development:

Sep 2023 – Present

Programming Advices Platform

**Description:** Completed a comprehensive self-study program focused on core programming and modern application development. Applied fundamental concepts to solve complex problems and build practical projects. Key Accomplishments:

- **Mastered Problem Solving techniques and competitive programming fundamentals using C++.**
- **Gained strong foundational knowledge in essential Data Structures and Algorithms**
- **Developed proficiency in C# and OOP principles, applying them to create desktop applications using Windows Forms and ADO.NET.**
- **Gained hands-on experience in database management using MySQL.**
- **Established foundational knowledge in web technologies including HTML and CSS for front-end structure and styling. Top Skills: C++, C#, OOP, Problem Solving, ADO.NET, MySQL, Windows Forms, HTML, CSS.**

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## **Projects**

### **Bank Management System (C++)**

Description: Developed a robust console-based Bank Management System using C++. This project demonstrates strong understanding of object-oriented programming (OOP) principles and data management. It allows users to perform various banking operations and administrators to manage user accounts. Key Features: User registration and authentication, secure deposit and withdrawal transactions, fund transfers between accounts, account balance inquiry, and comprehensive user management functionalities for administrators (add, delete, update user accounts). Technologies: C++, Object-Oriented Programming (OOP), Basic Data Structures. GitHub Link: [<https://github.com/AhmedEmad-BackEnd/Bank-System-using-CPP>]

### **Tic-Tac-Toe Game (Windows forms Application C#)**

Description: Designed and implemented an interactive graphical Tic-Tac-Toe game using C# and Windows Forms. This project showcases front-end development skills, event handling, and game logic implementation within a desktop application environment. Key Features: Two-player gameplay, intuitive user interface, win condition detection, score tracking, and an option to reset the game. The application ensures a smooth user experience with clear visual feedback for game states. Technologies: C#, Windows Forms, Event Handling, Basic Game Logic. GitHub Link: [<https://github.com/AhmedEmad-BackEnd/Tic-Tac-Toe-C-game>]

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## **Language**

Arabic (Native) | English (Fluent)

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## **Technical Skills**

Backend: [ C# | OOP | ASP.NET Core ]

Databases & ORM: [ Microsoft SQL Server | ADO.NET ]

Core Concepts: [ Problem Solving | Data Structure | Algorithms ]

Deployment: [ Git | GitHub | GitHub Actions ]

Frontend: [ HTML5 | CSS3 ]

Soft Skills: [ Research - Team Work - Time Management – Communication Skills ]