

Mohamed Ahmed Amer

Software Engineer

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Professional Summary

Aspiring Software Engineer seeking an internship or junior role to strengthen backend and full-stack development skills. Highly motivated to learn modern technologies, write clean and efficient code, and contribute to real-world software projects through teamwork and continuous improvement.

Education

Bachelor of Computer Science — The Egyptian E-Learning University (EEU), Cairo, Egypt
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Programming Languages, C++, Java

Certifications & Courses

DEPI Scholarship – Fullstack.net

Digital Egypt Pioneers Initiative (DEPI) — Full Stack .NET / Software Development Training
Completed an intensive training program focused on .NET development, web technologies, database management, version control (Git & GitHub), and hands-on project development.

- Programming Fundamentals
- Object-Oriented Programming (OOP)
- C# and .NET Fundamentals
- Backend Development Concepts
- Databases and SQL Basics
- Frontend Fundamentals (HTML, CSS, JavaScript)
- Git and GitHub Version Control
- Software Development Best Practices

Projects

ATM System (C++)

- Developed a console-based ATM simulation with OOP principles.
- Features include balance inquiry, deposit, withdrawal, and PIN validation.
- Focused on class design, encapsulation, and clean control flow.

GitHub: <https://github.com/Memoamer1/ATM-system>

Car Management System (C++)

- Implemented a management system for car data using inheritance and abstraction.
- Modeled real-world entities and improved problem-solving through input validation and constraints.

GitHub: <https://github.com/Memoamer1/system-car>

Task Management System

- Built a system for adding, updating, and tracking tasks using OOP concepts.
- Emphasized modularity and code readability.

GitHub: <https://github.com/Memoamer1/code-memo>

C# Console Applications (OOP)

- Developed multiple console applications demonstrating encapsulation, inheritance, and polymorphism.
- Practiced separation of concerns and clean architecture.

GitHub: <https://github.com/Memoamer1>

Calculator Application (C++)

- Console-based calculator handling arithmetic operations.
- Strengthened control structures and input validation.

GitHub: <https://github.com/Memoamer1/calc>

Competitions & Research

Egyptian Collegiate Programming Contest (ECPC) — 2025

- National-level algorithmic programming challenges.

Awards

Participant, Egyptian Collegiate Programming Contest (ECPC) — 2025

- Competed in a national-level algorithmic programming contest, demonstrating teamwork and analytical skills.

Technical Skills

Programming Languages: C#, Java, C++, JavaScript

Backend: OOP, .NET (C#), Databases (SQL fundamentals)

Frontend: HTML, CSS, JavaScript

Concepts: Object-Oriented Programming, Data Structures & Algorithms, Problem Solving

Tools: Git, GitHub