

Mohammed Metwally Gamil

ASP.NET Backend Developer

mohammad.metwally.gamil@gmail.com | [linkedin.com/in/mohammad-metwally-gamil](https://www.linkedin.com/in/mohammad-metwally-gamil)

<https://github.com/MohammedMetw>

New Cairo, Cairo, Egypt | +201147244419

Results-driven Computer Science student experienced in ASP.NET Core, C#, and SQL backend development. Leadership in teaching and mentoring, with projects building scalable RESTful APIs. Passionate about clean code and agile methodologies. Aspiring to leverage my skills as an ASP.NET Core Backend Developer in delivering high-quality, scalable solutions.

Projects

Hospital Management System (HMS) API

Sep 2025 – Oct 2025

- Developing a multi-faceted Web API using .NET 8 with Clean Architecture to manage patients, appointments, and billing.
- Built an advanced scheduling module handling doctor availability, conflict resolution, and status tracking (Scheduled, Completed, Canceled).
- Implemented robust security with role-based access control (Admin, Doctor, Receptionist) to ensure confidentiality and integrity of patient data.

Educational Courses Platform API:

Aug 2025 - Sep 2025

- Developed a robust educational platform API using ASP.NET Core 8, following N-Tier Architecture for maintainability and scalability.
- Implemented secure authentication and authorization with ASP.NET Core Identity and JWT, including role management (Admin, Student), email confirmations, and password resets.
- Engineered the data layer with Entity Framework Core, leveraging Unit of Work and Repository patterns, and optimized performance with caching, pagination, and rate limiting.

OnLine Store – Full Stack Store Project

Aug 2025 – Oct 2025

- Developed a full-stack online store using a layered architecture (Domain, Application, Infrastructure, Web).
- Built with C#, .NET, JavaScript, HTML/CSS, and SQL Server for database management.
- Implemented features such as product catalog, user accounts, product search, and responsive front-end design.

Library Management System Web Application (ASP.NET MVC)

- Developed a scalable backend for a Library Management System using ASP.NET Core and SQL Server.
- Designed and implemented robust RESTful APIs, ensuring secure and maintainable integration with a SQL database.
- Achieved significant improvements in operational efficiency by streamlining data integration and management.

FCIS-Web-Store

Mar 2025 - Mar 2025

Developed an e-commerce website using HTML, CSS, and JavaScript

Used MongoDB for database management

Allowed users to browse, search, and add products to cart

Included admin panel for managing items and users

Focused on responsive and user-friendly design

News Management System

Apr 2024 - May 2024

- Developed a C++ program to simulate a dynamic news management system, mirroring the functionality of real-world news websites.
- Optimized advanced data structures to improve data processing efficiency by 25%, ensuring high performance and fast data retrieval

Volunteer Experience

Media Vice Head

Nov 2024 – Sep 2025

OSC (Open-Source community)

Spearheaded photography, video editing, and voice-over for events. Trained and mentored team members in required media skills. Managed all media aspects—from pre-production through post-production—to deliver high-quality visual and audio content.

Core Skills

Programming Languages: C#, C++, Java, Java Script, Type Script, SQL, PL/SQL, Python

Frameworks/Tools: ASP.NET, Node.js, MVC, EF core, Express, React

Soft Skills: Time Management, Leadership, Team Management, Team Work

Version Control System: Git, GitHub

Programming Concepts: OOP, Data Structures, Algorithms, SOLID Principles, Design Patterns, Data Bases

Education

University of Ain Shams

Oct 2022 - Jun 2026

Bachelor's Degree in Computer and information science

Languages

Arabic (*Native*), **English** (*Fluent*)

