

Mohamed Harby

Full Stack .net Developer

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PROFILE

Student in Computer Science and Artificial Intelligence at Helwan University, specializing in full-stack .NET development, with a focus on building Web APIs and database-driven applications. Experienced in designing clean backend architectures using ASP.NET Core and Entity Framework, with hands-on project experience in real-world systems.

EDUCATION

Faculty of Computer Science and Artificial Intelligence, Helwan University.

09/2023 – 06/2027

Cairo-Egypt

- Bachelor's student in the computer science department
- GPA: Very Good

SKILLS

Programming & Backend

- ASP.NET
- RESTful Services
- Authentication & Authorization (JWT)
- MVC

Frontend & Web

- HTML
- CSS
- JavaScript
- Bootstrap

Databases & ORM

- SQL Server
- Entity Framework
- Database Design
- EF Core

Version Control & Core

Concepts

- Git/GitHub
- OOP
- Data Structure
- Algorithms
- Design Patterns

Soft Skills

- Project Management
- Mentoring
- Problem Solving
- Debugging
- Clean Code Practices

Languages

- **Arabic** (Native)
- **English** (Intermediate)

PROJECTS

Dropshipping Management System

10/2025 – 12/2025

- **Architected & developed** using **ASP.NET Core Web API** and **C#** to handle core business entities (Products, Orders, Dropshippers, Brands, Categories).
- **Implemented secure authentication/authorization** to protect API endpoints and ensure data integrity for different user roles.
- **Designed and optimized** the relational database schema using **SQL Server** and implemented efficient data access layers with **Entity Framework Core**.
- **Integrated file upload functionality** with validation for product images, managing storage and retrieval.
- **Applied Repository Pattern and Dependency Injection** to create a maintainable, testable, and loosely-coupled codebase.
- **Tools & Tech:** C#, ASP.NET Core Web API, Entity Framework Core, SQL Server, LINQ, Git.

GitHub: <https://github.com/MohamedTBadr/Dropshipping-WebApp.git> [↗](#)

Art Gallery, *Developed a full-stack e-commerce platform for art sales.*

05/2025 – 06/2025

- Built a responsive front-end using **HTML, CSS, JavaScript, and Bootstrap**.
- Engineered the backend with **PHP & MySQL**, implementing secure user authentication and session management.
- Developed full **CRUD operations** for product (artwork) and user management. [↗](#)

GitHub: https://github.com/MohamedHarby18/Art_Gallery [↗](#)

Next Chapter, *Developed an online bookstore*

11/2024 – 12/2024

- Designed a responsive user interface with **Bootstrap** and planned features using **UML diagrams**.
- Implemented a dynamic product catalog and intuitive user navigation flows.

GitHub: https://github.com/MohamedHarby18/Book_Store [↗](#)

COURSES

Digital Egypt Pioneers Initiative – DEPI

06/2025 – 12/2025

learned the modern .NET stack through a project-based curriculum culminating in a capstone "Dropshipping API" project .Core Technologies: ASP.NET Core Web API, MVC, C#, Entity Framework Core, SQL Server, Git.

Cairo - Egypt

Foundational C# with Microsoft, freeCodeCamp

03/2026 – 03/2026

Completed a comprehensive course covering core C# programming concepts, including data types, control structures, methods, and object-oriented programming fundamentals.

online

INTERSHIPS

Code Alpha

12/2024 – 01/2025

- Built and optimized responsive web components using HTML, CSS, Bootstrap, and JavaScript.

Online

VOLUNTEERING

180 Daraga [↗](#), *Team Member*

02/2024 – Present

- Video Team Member
- Mentor at Recruitment Events
- V-Project Manager at Courses Round 2 & mn Ramadan Ileid Events
- Scratch Instructor
- IT coordinator at New Stage 18

Cairo - Egypt