

# Gaber emad Badr

.NET Developer | Data Engineer

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Egypt

## EXPERIENCE

Full-Stack .NET Developer (Project-Based Experience) Gained hands-on experience in designing and building full-stack web applications through intensive self-study, project implementation, and structured training programs. Key Responsibilities & Achievements: 10/2024 – present

- Developed interactive web applications using Angular (frontend) and ASP.NET Core (backend), adhering to clean architecture principles.
- Built and exposed RESTful APIs with advanced features such as filtering, sorting, and pagination to support scalable systems.
- Applied design patterns including Repository and Unit of Work to ensure maintainable, testable codebases.
- Utilized Entity Framework Core and SQL Server for database design, data access logic and data seeding operations.
- Integrated real-time features using Signal R to support live chat and instant UI updates.
- Followed Agile development methodologies, collaborated using Git & GitHub, and tested APIs with Postman.
- Applied Docker for containerized deployment (basic level).

## EDUCATION

### Bachelor of Computer And Information Science

09/2022 – 06/2026

Shebin El Kom University, Menoufia

Activities: Digitopia – Egypt's National Tech Innovation Contest

## PROJECTS

### G Chat App Real-time Application

07/2025 – 08/2025

G Chat App is a full-featured real-time chat application built with ASP.NET Core and Signal R, supporting both private and group messaging, role-based access control, email verification, and a responsive, modern UI. [Live Demo](#)

### Fresh Cart – E-Commerce Marketplace Web App

10/2024 – 01/2025

Developed a multi-category marketplace application using ASP.NET Core (Clean Architecture, EF Core) and Angular, implementing Repository and Unit of Work patterns. Built APIs for product and user management with search, filtering, and category browsing features.

[Live Demo](#)

### Quiz App

07/2023 – 07/2023

Built an interactive quiz app using HTML, CSS, and JavaScript, dynamically loading questions from a JSON file. Features include question navigation, answer validation, and score tracking.

[GitHub Repository](#)

## Courses & Training

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### Digital Egypt Pioneers Initiative (DEPI)

AI & Data Engineering – Ministry of Communications and Information Technology, Egypt

07/2025 – present

Hands-on training in artificial intelligence and data engineering. Covered:

- AI fundamentals and supervised machine learning (classification, regression, decision trees, neural networks)
- Core data engineering principles including data pipelines, processing systems, and cloud-based data flows

### Route Academy

Full-Stack Web Development with Angular & ASP.NET

09/2023 – 10/2024

Comprehensive practical training on full-stack web development using Angular (frontend) and ASP.NET Core (backend). Key topics included:

- Building RESTful APIs
- Implementing real-time communication using Signal R
- End-to-end application development and deployment

**Training:** Swagger (API Documentation) , Unit Testing (x Unit) , Linux

## Technical Skills

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**Programming Languages:** [ C# | Java | Python | C | C++ | JavaScript | HTML5 & CSS3 | Dart ]

**Frameworks & Technologies:** [ ASP.NET Core | RESTful APIs | Angular | WPF | Windows Forms (WF) ]

**Databases & ORM:** [ Microsoft SQL Server | MySQL | Entity Framework Core | LINQ | Dapper | Redis ]

**Core Concepts:** [ OOP | Data Structures | Algorithms | SOLID Principles | Design Patterns | Agile | Operating Systems ]

**DevOps & Tools:** [ Git | GitHub | Docker | Postman | GitHub Actions | Visual Studio | VS Code ]

**AI & Data Science:** [ NumPy | Pandas | scikit-learn (Pre-processing, Feature Selection, Classification, Neural Networks, Decision Trees, SVM) | imbalanced-learn (SMOTE) | Matplotlib ]

**Operating Systems:** [ Windows | Linux (Basic) ]

**Other Skills:** [ Microsoft Office ( Excellent in Word & PowerPoint & Excel ) ]

## Languages

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**Arabic** – Native

**English** – Very Good (spoken and written)

## Soft Skills

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|-------------------|-----------------------|--------------------------|
| • Self-Learner    | • Analytical Thinking | • Communication          |
| • Problem Solving | • Time Management     | • Patience & Persistence |

## Personal Information

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**Date of Birth:** 19/10/2003

**Marital Status:** Single

**Military Status:** Not yet completed