

Fady Ashraf Sadek

Full Stack Developer

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Profile

Information Technology undergraduate at NATU with skills in Angular and ASP.NET With experience in creating web applications.
Volunteering as a human resources officer at GDG Assiut, excel at organizing technology events and promoting collaboration within the technology community.
Active competitive programmer and problem solver, regularly training on platforms like Codeforces.

Education

Bachelor's degree in Information Technology

Oct 2022 – Jul 2026

New Assuit Technology University

- GPA : 3.67
- Class Rank : 9

Experience

Summer Intern

Jul 2025 – Aug 2025 | Remote

Commercial International Bank (CIB)

- Examined the role of modern AI technologies in finance, including applications of Generative AI and Machine Learning.
- Explored advanced topics in Ethical AI, AI Bias, and the principles of Green AI.
- Analyzed strategic frameworks (e.g., VUCA) used to assess risks and opportunities in the banking sector.

Organizations

ICPC NATU Community

Jul 2025 – Present

Tech Team Lead

- Leading the full-stack development and maintenance of the official community platform, used by all members.
- Managing application deployment, troubleshooting server-side issues, and ensuring platform uptime.
- Continuously architecting and implementing new features based on community feedback and requirements.

GDG Assuit

Jul 2024 – present

HR Team


- Organizing and managing events, including conferences, and hackathons(DevFest '24).
- Assigning specific tasks to team members based on their skills and strengths.
- Ensuring efficient coordination among team members to achieve event objectives

Projects

Sales & Installment Management System - Full-Stack App

Oct 2025 – Dec 2025

A .NET Core MVC application built to manage complex financial installment plans and track payments.

- Architected the system using 3-Tier, Repository, Unit of Work, and the Result Pattern for robust, real-world error handling.
- Engineered complex business logic for automated installment scheduling (rescheduling on new sales) and prioritized payment distribution across ledgers.
- Developed a full dashboard (using Chart.js) with custom financial analytics, such as a real-time Collection Rate calculation.
- Secured the entire application (end-to-end) using ASP.NET  Core Identity as a private internal tool.

ICPC NATU Community Platform - Full-Stack Web App

Aug 2025 – Oct 2025

A full-stack platform to automate competitive programming training, scoring, and leaderboards using ASP.NET Core.

- Architected using Clean Architecture (3-Tier), Repository, and Unit of Work patterns.

- Developed a .NET Core Background Service (IHostedService) to integrate with the Codeforces API (handling `SHA512 Hashing`).
- Implemented a secure Role-Based Access Control (RBAC) system using ASP.NET Core Identity.
- Built interactive admin dashboards using AJAX/jQuery.

Clinic Booking System - RESTful API

Jul 2025 – Aug 2025

Role-Based Clinic Booking API using ASP.NET Core 8 and clean architecture principles

- Developed a complete RESTful API for a clinic booking platform, featuring a dynamic scheduling engine, a full appointment lifecycle, and a review system using ASP.NET Core 8.
- Architected the backend using Clean Architecture (3-Tier), applying key design patterns like the Repository, Unit of Work, and the Result Pattern for robust error handling.
- Implemented a secure, role-based (Admin, Doctor, Patient) authorization system using JWT, and engineered high-performance endpoints with server-side filtering, sorting, and pagination.

E-commerce Marketplace

Mar 2025 – Jun 2025

A Multi-Vendor E-commerce Platform using ASP.NET Core

- Architected and developed a full-stack, multi-vendor e-commerce marketplace from scratch using ASP.NET Core MVC, Entity Framework Core, and SQL Server.
- Implemented a robust role-based authorization system with dedicated dashboards for Admins, Sellers, and Customers to manage users, products, and orders.
- Applied advanced software design patterns, including the Repository to create a clean, scalable, and maintainable codebase.
- Enhanced user experience with an interactive shopping cart powered by AJAX for real-time updates without page reloads and secured the system using ASP.NET Core Identity.

Student Management System

Jan 2025 – Feb 2025

An ASP.NET Core & Angular CRUD Project

- Designed and developed a full-stack CRUD application using an Angular frontend, a RESTful ASP.NET Core Web API backend, and a SQL Server database.
- Leveraged Tailwind CSS to create a clean, modern, and responsive user-friendly interface.

JWT-Authentication

Dec 2024 – Jan 2025

An Angular & ASP.NET Core Security Project

- Engineered a full-stack user authentication system featuring an Angular frontend and a RESTful ASP.NET Core Web API.
- Implemented a secure authentication and authorization flow using JSON Web Tokens (JWT) to protect API endpoints.

QR Code Maker

Aug 2024 – Sep 2024

A JavaScript-Based API Project

- Developed a responsive QR Code generator using pure JavaScript to interact with a third-party API and perform real-time DOM manipulation.

Memory Blocks Game

Jun 2024 – Jul 2024

A Front-End Project with JavaScript

- Developed an interactive card-matching game from scratch using pure JavaScript, focusing on core game logic and front-end state management.

Skills

Programming Languages. – C++ | C | C# | Java | JavaScript | TypeScript

Web Skills – HTML | CSS | Bootstrap | Tailwind | Angular | ASP.NET MVC | ASP.NET API | SQL Server

Soft Skills – Communication Skills | Teamwork | Attention to Detail | Leadership | Decision Making

Languages

Arabic – Native • **English** – A2