

# Amira Hassan

.Net Developer

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 [GitHub](#)

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## CAREER OBJECTIVE

My passion for software development began during university, where I was first introduced to the software development lifecycle (SDLC) and system design diagrams. One of our early team projects involved building a social media platform inspired by Facebook using PHP, which sparked my interest in backend development. Later, I explored Laravel and developed an e-commerce system as part of a university assignment, deepening my curiosity about backend frameworks and how to choose the right one for each use case.

I started my journey building simple projects using Vanilla JavaScript, and gradually moved to using Bootstrap for UI. I then joined the Django track at ITI, where I developed a full-stack medical directory system called Doctors Hub. After that, I continued my training at ITI in the .NET Core track, where I built a project called Newspaper, a complete system for managing articles and users using RESTful APIs and a clean architecture.

During my work with Java (Spring Boot) and .NET Core, I implemented robust authentication systems using Spring Security with JWT and ASP.NET Core Identity, allowing secure access control and user management in both environments.

As part of my graduation project, I worked with my team to build Try&Buy, a virtual try-on e-commerce platform using Java and Spring Boot. Additionally, I worked as a freelancer using .NET Minimal API, which helped me gain practical experience delivering backend solutions in real-world scenarios.

I've also worked with database management tools like phpMyAdmin and SQL Server Management Studio (SSMS), giving me hands-on experience in data modeling, query optimization, and backend performance tuning. I'm passionate about building scalable backend systems, designing efficient APIs, and delivering high-quality, maintainable solutions.

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## EDUCATION

- Helwan University, Cairo, Egypt
  - Faculty of Computer Science and Artificial Intelligence
  - Major: Computer Science
  - GPA: 3.4 —Excellent Standing
  - Graduation Year: 2025
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## CERTIFICATIONS & COURSES

<u>Mastering MySQL: Database Creation, Management &amp; SQL Queries</u>	Feb. 21, 2025
<u>Full-Stack Web Development using .Net (ITI)</u>	Sep. 19, 2024
<u>Full-Stack Web Development using Python (ITI)</u>	Aug. 21, 2024
<u>Python Programming Basic (mahara-tech)</u>	Sep. 25, 2023
<u>TypeScript Fundamentals (mharatech)</u>	Aug. 11, 2023
<u>Modern JavaScript (mahara-tech)</u>	Aug. 10, 2023
<u>JavaScript (mahara-tech)</u>	Aug. 7, 2023
<u>HTML &amp; CSS (mahara-tech)</u>	Jun. 19, 2023

## TECHNICAL SKILLS

- Frontend Technologies:
  - HTML5, CSS3, Vanilla JavaScript, Bootstrap
- Backend Development:
  - Java & Spring Boot
  - C# with .NET Core (RESTful APIs & Minimal API)
  - PHP & Laravel
  - Python & Django
- Database Management:
  - SQL Server (via SSMS), phpMyAdmin (MySQL/MariaDB)

## SOFT SKILLS

- Responsible
- Energetic
- Self-motivated

## Languages

- **Arabic:** native
  - **English:** B1
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## Experience

### Epoch School – Web Application

Apr. 10, 2025

- Developed the User Interface for user profiles and course views using HTML, CSS, and Vanilla JavaScript. Built the backend using .NET Minimal API, following RESTful design principles. Implemented security and authentication mechanisms to protect user data and control access. Integrated frontend and backend to create a seamless user experience for students and teachers.

### Meta VR – Flight Landing Simulation

May. 15, 2025

- Contributed to a VR-based simulation platform that mimics airplane landing scenarios. Developed the backend using .NET Minimal API, optimizing performance for real-time interactions. Built interactive front-end components using native JavaScript, focusing on responsiveness and lightweight performance.
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## PROJECTS

### Graduation Project – Try&Buy (Virtual Try-On System)

Jun. 16, 2025

Built the backend of an e-commerce Virtual Try-On platform using Java Spring Boot, as part of a collaborative graduation project. I developed secure and scalable RESTful APIs to support core functionalities such as user authentication, role-based access control (admin and customer), product management, filtering, cart operations, and virtual fitting features. The system allowed dynamic product browsing and filtering based on size and availability. I designed and managed the MySQL database using phpMyAdmin, focusing on performance optimization and data integrity. The application followed clean architecture and a layered structure to ensure maintainability and scalability. The project was delivered successfully and received an Excellent (A+) grade.

**E-Commerce Backend API (.NET Core)****Apr. 14, 2025**

Developed a full-featured RESTful API for an e-commerce platform using ASP.NET Core and Entity Framework Core. The project includes modules for admin and customer authentication, product and category management, and complete cart functionalities such as adding products, removing them, calculating totals, and handling checkout. Designed and managed the relational database using SQL Server, ensuring efficient data access and performance. The system follows clean architecture principles and RESTful standards, with a strong focus on scalability, maintainability, and backend performance.

**Employee Data Management (Python, DEPI)****Nov. 20, 2024**

Developed a Python-based application as part of the AMIT learning machine program in the Digital Egypt Pioneers Initiative (DEPI). The project allows managers to perform key tasks such as adding, viewing, updating, and deleting employee records, searching by unique employee IDs, and saving/retrieving data using CSV files. Demonstrated strong skills in Python programming and file handling while delivering a practical solution for employee data management.

**Newspaper (Dot Net, MVC, Graduation Project at ITI)****Oct. 15, 2024**

Created a web-based newspaper platform using .NET and MVC. The system allows authors to manage posts with full CRUD functionality, while departments can add and update posts. Users can view posts sorted by the most recent, as well as create, update, and delete their own posts. This project highlights my ability to build scalable web applications with modern architecture.

**DoctorsHupApplication (Django, MVC, Graduation Project at ITI)****Aug. 25, 2024**

Developed a healthcare platform using Django, featuring user registration and login functionality. The application allows users to search for doctors based on specialization and location, displaying a list of available doctors based on their search criteria. This project demonstrates my skills in web development and working with Django's authentication and search features.