

# Amira Hassan

.NET | Java Developer



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[GitHub](#)



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[Portfolio](#)

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## CAREER OBJECTIVE

As a passionate backend developer, I am driven by the challenge of building scalable, efficient, and secure systems. My journey in software development began during university, where I first encountered the Software Development Lifecycle (SDLC) and system design principles. Early hands-on experience, including building a social media platform inspired by Facebook using PHP and creating an e-commerce system with Laravel, fueled my interest in backend development.

Over time, I've worked with Django, .NET Core, and Java (Spring Boot), developing full-stack applications and implementing secure, robust authentication systems using Spring Security (JWT) and ASP.NET Core Identity. I have also gained practical experience through projects such as Doctors Hub (a medical directory system) and Newspaper (a complete article management system), where I applied RESTful APIs and clean architecture principles.

In addition to my academic and project experience, I've freelanced using .NET Minimal API, further refining my skills in backend development and real-world solution delivery. I have hands-on experience with database management tools like phpMyAdmin and SQL Server Management Studio, optimizing queries and ensuring efficient data access and system performance.

I am committed to continuously improving my backend development skills and delivering high-quality, maintainable software solutions. I am eager to contribute to and grow within a dynamic development team, where I can tackle complex challenges, build scalable systems, and continue my journey as a backend engineer.

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## EDUCATION

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

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

## 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.