Youssef Othman

Software Developer

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Career Objective

Motivated junior software engineer with a focus on .NET development and a keen interest in AI and machine learning. Enthusiastic about creating scalable web applications, developing AI-powered solutions, and contributing to cutting-edge projects. Excited to leverage my technical expertise and grow in a collaborative environment while driving impactful results.

EDUCATION

Zewail city for Science and Technology   Zewail City
B.Sc. in Communication and Information Engineering   *2023 – 2027*
- GPA: 3.92
- Relevant Coursework: Database Management Systems, Web Development, Data Structure, Algorithms, Operating Systems, Computer Architecture, Object-Oriented Programming

Egyptian High School (Thanwya Amma)   Egypt
High School, Grade: 97.44%   *Graduated*
- Ranked 130 nationwide

PROJECTS

Airline Reservation System | *Razor Pages, .NET Core, SQL Server, ML.NET*
- Developed a web application for airline reservations, allowing passengers to book flights, staff to monitor and manage bookings, and administrators to add, edit, and remove flights. Integrated data analytics to provide insights and statistics on reservations, enhancing operational efficiency.

Shape Haunt Game | *C++*
- Designed and developed a game using C++ and OOP concepts. The game generates a random shape and challenges the user to select from given shapes to match it, enhancing logical thinking and problem-solving.

University Project Management System | *Razor Pages, .NET Framework, SQL Server*
- Developed a web application for university project management. Enabled students to upload projects, advisors to manage submissions, and external users to view projects.

Battle Simulator | *C++*
- Created a battle simulator that models a fight between a castle and enemies. Implemented various data structure concepts to simulate the battle dynamics efficiently.

ExoSky Web App | *Python, Flask, SQLite*
- Developed a web application that allows users to select a planet from NASA's exoplanet database. The app generates a 3D star view, simulating what the night sky would look like from the planet's perspective. Built using Python (Flask framework), SQLite for the database, and HTML/CSS/JS for the front-end.

Programming Languages: Python, C++, JavaScript, HTML/CSS, SQL , C# , Matlab
Frameworks & Libraries: Pandas, Flask, .Net
Fields of Interest: Machine Learning, Web Development
Tools: Git, Visual Studio, Command Line, VSCode
Soft Skills: Team Collaboration, Effective Communication, Strong Analytical Abilities, Time Management

Languages

- Arabic (Native)
- English (Fluent)

Volunteer Experience

IEEE Zewail City member   **2024 – Present**
- Collaborated with a team to create educational content for technical sessions, assisted in organizing and preparing sessions with industry experts, And contributed to developing materials that enhance learning and engagement for attendees.