Youssef Sherif

Software Engineer

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Summary

Recent Computer Science graduate with hands-on experience developing scalable web applications using .NET technologies. Demonstrated expertise in building RESTful APIs, implementing secure authentication systems, and collaborating with cross-functional teams. Strong problem-solving background with competitive programming achievements and experience mentoring 150+ students in software engineering fundamentals.

Education

Bachelor's Degree in Computer Science
Modern Academy Maddi
2021 - 2025 | GPA: 3.47 / 4.0

Experience

Instructor | Part-time
Digital Egypt Cubs Initiative (DECI)
December 2024 - Present

- Instruct 150+ students in software engineering fundamentals and Python programming
- Design and deliver structured curriculum covering programming concepts and MIT App Inventor
- Mentor students through practical projects, developing their problem-solving and analytical skills
- Create engaging learning materials to explain complex technical concepts effectively

.NET Web Developer | Internship
Digital Egypt Pioneers Initiative (DEPI)
June 2024 - December 2024

- Developed scalable web applications using C#, ASP.NET Core, and SQL Server databases
- Built RESTful APIs following industry best practices and established design patterns
- Collaborated with development teams to deliver project features within established timelines
- Gained practical experience in full software development lifecycle

.NET Full Stack | Summer Training
Information Technology Institute (ITI)
August 2024 - September 2024

- Built full-stack applications using ASP.NET MVC architecture and SQL databases.
- Designed and implemented RESTful services for distributed system communication

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Projects

- **BoneX** | Graduation Project
  - Led backend development for an AI-assisted X-ray analysis platform.
  - Designed and implemented core features including user authentication, profile management, and appointment booking.
  - Applied object-oriented design principles for maintainable and scalable code architecture.
- **Ne3ma** | Freelance Development
  - Developed comprehensive .NET 8.0 Web API targeting food waste reduction in restaurants
  - Built authentication system, account management, and business logic for food item tracking
  - Implemented email services and restaurant management features with Entity Framework Core
  - Coordinated with mobile development team for cross-platform integration
- **Survey Basket** | Personal Project
  - Built a RESTful API for survey creation and management with fault tolerance
  - Implemented features for question management, voting, and results visualization
  - Utilized C# and ASP.NET Core to create an efficient and scalable backend.

- **LibraCore** | [Training Project](#)
    - Built web-based library management platform during DEPI internship program
    - Integrated responsive frontend interfaces with robust backend functionality
    - Applied MVC design patterns and database optimization techniques

Leadership & Event Organization

Lead Organizer – Graduation Ceremony
Modern Academy – Computer Science Department
March 2025 – July 2025

- Successfully led the organization of the graduation ceremony for **200 Graduates** and over **1,000 companions**, with a total event budget exceeding **EGP 300,000**

- Coordinated venue logistics, registration, attire distribution (robes, caps, sashes), and crowd management

- Maintained direct communication with the **Dean of the Faculty**, faculty members, and teaching assistants to confirm academic attendance

- Managed vendor relations (event hall, media, print, photography, sound) for seamless execution

- Built structured systems using Google Forms/Sheets for guest lists, payment tracking, and student preferences

- Handled official announcements, real-time inquiries, and coordination across multiple communication platforms

- Delivered a well-organized and memorable ceremony, praised by both attendees and staff

Technical Skills

- **Programming Languages:** C#, Java, C++, Python
- **Backend Development:** ASP.NET Core, ASP.NET MVC, RESTful APIs, Entity Framework Core, LINQ
- **Databases:** MSSQL, Relational Database Design
- **Tools & Technologies:** Git, GitHub, Serilog, Command-Line
- **Software Development Concepts:** Object-Oriented Programming (OOP), Problem-Solving
- **Additional Skills:** Data Structures, Algorithms, Debugging, Logging

Achievements & Recognition

- **1st Place** - MEC Academy Problem Solving Competition
- **Participant** - Egyptian Collegiate Programming Contest (ECPC) 2022 & 2023
- **16th Place** - Semicolon Shows IEEE, Al-Azhar University
- **Community Contributor - Provided problem-solving support to ICPC programming community**