Ahmed Mahmoud Ahmed

.Net Full Stack Web Developer

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https://www.linkedin.com/in/ahmedmahmoud154 | https://github.com/ahmed-mahmoud15 | **Leet Code** | **Portfolio**

EDUCATION

Alexandria University, Faculty of Engineering	**October 2021 - Present**
Bachelor of Engineering in Computer and Communications Engineering	**Expected Graduation: June 2026**
CGPA: 3.71/4.0	

EXPERIENCE

Digital Egypt Pioneers Initiative (DEPI)   **October 2024 – Present**

Full-Stack web development using .NET Core Trainee   Alexandria, Egypt

- Enrolled in a 7-month hybrid training program specializing in .NET technologies, focusing on hands-on projects and industry standards.
- Gaining expertise in Full Stack .NET development, covering 10+ technologies, including C#, .NET Core Web API, MVC, SQL Server, HTML5, JavaScript, CSS3, LINQ, and Entity Framework.
- Enhancing technical proficiency, freelancing capabilities, and professional English skills through weekly practical exercises and real-world simulations.

Telecom Egypt (WE)   **January 2024 - February 2024**

Artificial Intelligence Intern   Alexandria, Egypt

- Deployed 5 machine learning models using TensorFlow and scikit-learn, achieving 95% accuracy in predictive analytics tasks.
- Automated data analysis workflows, reducing manual processing time by 40% through Python scripting.
- Crafted 10+ interactive dashboards with Matplotlib/Seaborn, enhancing stakeholder decision-making efficiency.

PROJECTS

Circus of Plates Game | GitHub   **December 2023 - January 2024**

- Designed an interactive GUI with 10+ engaging components, including scoreboards and timers.
- Utilized Observer and Factory design patterns to separate game logic from UI, cutting code redundancy by 50%.
- Built unit tests covering 90% of functionality, ensuring stability across multiple gameplay scenarios.

Chess Game | GitHub   **November 2023 - December 2023**

- Spearheaded the creation of a feature-complete chess application with 100% rule adherence for precise gameplay.
- Engineered undo/restart functionality and move validation, earning a 4.5/5 user satisfaction score.
- Structured backend logic to accommodate UI theming, enhancing flexibility and scalability for future updates.

Inventory Management System | GitHub   **October 2023**

- Produced an inventory management system with two user roles (Admin, Employee) and role-based access control.
- Enabled admins to oversee 50+ employees, including adding, removing, and retrieving records.
- Developed a product management module, handling 200+ product transactions for employees.
- Verified system reliability with 50+ test cases, achieving 99% accuracy in purchase validation.
- Integrated a return system that calculates refunds with 100% compliance to purchase history and policies.

SKILLS

Programming Languages: C#, Java, Python, SQL – Microsoft SQL Server, HTML5, CSS3, JavaScript.
Technologies / Frameworks: ASP.NET Core, Entity Framework Core, .NET MVC, .NET Web API, LINQ, Bootstrap.
Concepts: Data Structure, Database, OOP, Algorithms, Git/GitHub, SOLID Principles, Unit Testing.
Soft: Leadership, Teamwork, Communication, Negotiation, Collaboration, Active Listener, Adaptive, Brainstorming.

CERTIFICATES

- **CS50's Introduction to Python**	Certificate	**Harvard CS50	Issue Date: August 2024**
- **CS50's Introduction to SQL**	Certificate	**Harvard CS50	Issue Date: August 2024**

LANGUAGES

English: Professional Proficiency | Arabic: Native