Ahmed Mahmoud Ahmed Ahmed
.Net Full Stack Web Developer

+20 127-890-4176 | Alexandria, Egypt | **ahmedmahmoud15403@gmail.com**
LinkedIn | **GitHub** | **Leet Code** | **Portfolio**

Education

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

EXPERIENCE

DEPI   **October 2024 - Present**
Full-Stack web development using .NET Core Trainee   Alexandria, Egypt
- Engineered RESTful APIs using .NET Core, reducing backend response time by 30%.
- Optimized SQL Server queries, improving data retrieval efficiency by 25% for high-traffic applications.

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.
- Designed 10+ interactive dashboards with Matplotlib/Seaborn, enhancing stakeholder decision-making efficiency.

PROJECTS

Circus Of Plates Game   **December 2023 - January 2024**
- Designed a dynamic GUI with 10+ interactive components (scoreboards, timers, menus) to increase user engagement.
- Applied Observer and Factory design patterns to decouple game logic from UI, reducing code redundancy by 50%.
- Implemented unit tests covering 90% of functionality, ensuring robustness across multiple gameplay scenarios.

Chess Game   **November 2023 - December 2023**
- Spearheaded development of a feature-complete chess application with 100% rule adherence.
- Implemented undo/restart functionality and move validation, achieving a 4.5/5 user satisfaction score.
- Modularized backend logic to support UI theme, enhancing flexibility for future iterations.

Inventory Management System   **October 2023**
- Executed 50+ test cases across diverse scenarios, ensuring 99% system reliability and <1% error rate.
- Secured sensitive data by designing role-based access control for 4 user permission tiers.
- Delivered an intuitive GUI, reducing average task completion time by 20% for end-users.

Certificates and Achievements

CS50's Introduction to Python | Harvard, CS50   **Issue Date: August 2024**
CS50's Introduction to SQL | Harvard, CS50   **Issue Date: August 2024**
Solving +500 problem on Leet Code earning +14 Badges

SKILLS

Programming Languages: C#, Java, Python, JavaScript, SQL
Backend: ASP.NET Core, Entity Framework, REST APIs
Frontend: HTML5, CSS3, Bootstrap, JavaScript
Databases: SQL Server, MySQL, Query Optimization
Tools: Git, Visual Studio, Postman
Practices: OOP, SOLID Principles, Unit Testing
Soft Skills: Team Leadership, Teamwork, Good Communication and Negotiation Skills
Languages: English (Professional Proficiency), Arabic (Native)