

Mohamed Ayman Adel Hassan

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Profile

Full-stack .NET software engineer pursuing a degree in Computer Engineering at May University in Cairo (2023–2027). Skilled in building scalable web and desktop applications using .NET, C, Angular, and cloud technologies. Experienced in freelance development, problem-solving, and full-cycle software delivery. Recently accepted into the AI Data Science – Microsoft Machine Learning Engineer track, expanding expertise into machine learning, deep learning, and Azure AI workloads.

Education

May University in Cairo, Bachelor in Computer Engineering – 15 May City, Egypt Oct 2023 – 2027

- GPA: 3.43/4.0 (Excellent degree)

Certifications

- 2x Amazon Certified (Patentor, Architect)
- .NET Full Stack Developer (DEPI), Global Knowledge, Oct 2024

Experience

AI & Data Science – Microsoft Machine Learning Engineer, Telecom Egypt – Nov 2025 – Present
Cairo, Egypt (Hybrid)

- Engineering machine learning solutions using Python, statistical modeling, and Azure ML with a focus on scalable deployment and MLOps. Building deep learning models and cloud-integrated AI pipelines aligned with Microsoft's enterprise engineering standards.

Software Programming Instructor, Code Craft – Cairo, Egypt (On-site) Jul 2025 – Present

- Delivering structured C++ and embedded systems training for junior learners using project-based teaching methodologies. Designing and supervising a capstone Arduino project focusing on real-world problem solving and hardware integration.

Advanced ASP.NET Intern, Upskilling – Cairo, Egypt (Remote) Aug 2025 – Dec 2025

- Developing advanced backend components using ASP.NET Core, Web API, and enterprise-grade architectural patterns. Participating in Agile-driven feature delivery cycles to enhance application scalability and maintainability.

Freelance Software Engineer, ITIDA Gigs – Cairo, Egypt (Remote) Jul 2025 – Nov 2025

- Delivered full-stack software solutions for clients through ITIDA's freelancing initiatives, covering requirements, development, and delivery.

Cloud Architect Intern, National Telecommunication Institute (NTI) – Remote Jul 2025 – Aug 2025

- Gained hands-on exposure to cloud infrastructure design and cloud-native service deployment practices.

Software Engineer (Angular), Web Masters – Cairo, Egypt (Hybrid) Feb 2025 – Jul 2025

- Built responsive, component-based Angular interfaces integrated with RESTful APIs, Improved UI performance and maintainability through reusable components and modular architecture.

.NET Full Stack Developer (DEPI), Global Knowledge – Hybrid Oct 2024 – May 2025

- Developed full-stack applications using ASP.NET Core, Angular, and SQL Server following clean and layered architecture.
- Implemented RESTful services, UI components, and deployment workflows in an Agile engineering track.

Certified Problem-Solving Specialist, Coach Academy – Remote Nov 2024 – Apr 2025

- Trained in structured problem-solving methodologies, root-cause analysis, and logical decision frameworks.

Participant – ECPC (Egyptian Collegiate Programming Contest), Cairo, Egypt Jul 2024

- Solved complex algorithmic and data-structure challenges under timed conditions, strengthening problem-solving and teamwork capabilities.

Projects

Full-Stack App | Hosting Platform

Live

- Developed and deployed a production-ready hosting platform using .NET 9 Web API and Angular 19, implementing scalable server management, payment integration, and responsive design for a real client.

Amazon Clone – Angular

github

- Built a responsive Angular 18 e-commerce platform with product browsing and cart management.

AgriSort: Intelligent Robotic Fruit Classifier – Embedded Systems

github

- Designed a robotic system with image processing to detect, classify, and sort fruits using Embedded C and computer vision.

E-Commerce Platform – ASP.NET Core MVC

github.com/m7mdaymn

- Developed a scalable platform with authentication, admin management, payment integration, and SOLID architecture.

Skills

Technical Skills

- Backend: C, .NET Core, ASP.NET, EF Core, LINQ, REST APIs, MVC, WinForms, Web API
- Frontend: Angular 18, TypeScript, HTML/CSS, JavaScript, RxJS, Bootstrap, AngularJS
- Database: SQL Server, MySQL, Entity Framework, Data Modeling
- Cloud: Azure, AWS, Azure ML, ML Pipelines, Cognitive Services
- AI/ML: Python, Machine Learning, Deep Learning (CNN, RNN, NLP), MLOps, Transfer Learning
- Embedded Systems: Embedded C, Arduino, Microcontrollers
- Tools DevOps: Git, GitHub, MLflow, Agile Methodologies, Debugging, Code Review
- Web UX: Web Design, UI/UX, Frontend Optimization, Responsive Design

Soft Skills

- Problem-Solving, Analytical Thinking, Critical Thinking
- Team Collaboration, Mentorship, Teaching
- Project Management, Time Management, Quality-Focused
- Adaptability, Communication, Documentation, Freelancing
- Experimentation, Learning Agility, Strategic Thinking

Languages

- Arabic – Native
- English – Fluent