Yasmine Ehab Elasy

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Objective

An aspiring Systems and Computers Engineer currently pursuing an undergraduate degree with a keen interest in programming, Artificial intelligence and Data science. With a solid foundation in C++, Python, and algorithmic thinking, driven by a passion for building real-world solutions and continuously expanding technical skills through hands-on experience and practical learning.

Education

Bachelor of Systems and Computers Engineering 2023 - present
Faculty of Engineering, Al-Azhar University
Cumulative Grade: Excellent

Courses

AI and Data Science Program – Microsoft Data Engineer Nov2025 - present
Digital Egypt Pioneers Initiative (DEPI)
- Currently a Data Engineer Scholar at (DEPI). Focused on mastering cloud-based data solutions, designing robust data pipelines, and managing big data using Microsoft Azure, SQL and Python.

Artificial Intelligence and Machine Learning Training Sep2025
Information Technology Institute (ITI)
- Gained hands-on experience in Artificial Intelligence and Machine Learning fundamentals.

AI Career Essentials - ALX Oct-Dec 2024
- An 8-week program focused on AI-augmented professional development skills in the digital age.
- Covered topics such as digital communication, productivity tools, career branding, and leveraging AI in personal and professional growth.

Programming Fundamentals (C++) Academic course - 2024
- Introduced to programming basics, including variables, control structures, functions, and problem-solving techniques using C++

Projects

UrbanEco-Vision Sep 2025 - Oct 2025
- UrbanEco-Vision is a platform designed to empower cities with data-driven insights for environmental decision-making.
- It features interactive dashboards and forecasting tools that cover solar energy, water quality, and urban landscape all aimed at supporting sustainable development.
- My contribution centered on developing the web application using React, TypeScript, and Vite, with emphasis on delivering an intuitive and responsive user experience.
- I also implemented the core calculations and data processing logic, including solar ROI projections, forecasting and water quality prediction.

Smart Parking System   Nov 2025 - Dec 2025
- designed to automate parking management and reduce congestion in real-time.
- Technical Implementation: Control (Arduino & C++ for system logic) | Hardware (IR sensors & Servo motors) | Feedback (LCD display for real-time slot availability).

Skills

- Technical skills: Programming Languages (python, C++, Java) | | Design (Canva, Adobe Photoshop, Figma) | Front end Development (Html, CSS, JavaScript) | AI and Data Science Basics | Microsoft Office (Word, Excel and PowerPoint)
- Soft Skills: Leadership as the leader for 10+ members | Team-worker with 8+ experience in different teams | Adaptability | Time Management | Emotional Intelligence | Communications skills
- Languages: Arabic (Native) | English (Very Good)

Extracurricular Activities

Vice Head Python Committee – IEEE Al-Azhar   Oct 2025 - present
- Serving as Vice Head and Lead Instructor of the Python Committee at IEEE Al-Azhar, where I co-lead the team and deliver technical sessions to empower students with Python programming skills.
- My role involves curriculum planning, technical mentoring, and managing community-driven coding projects.

Volunteer – Resala Charity Organization   Feb 2025 - present
- Participated in multiple charitable events organized by Resala, supporting various community service activities such as donation drives, event coordination.
- Developed a strong sense of social responsibility, collaboration, and adaptability in dynamic environments.

Member at AZEX Team – Software Track   Oct 2024/May 2025
- Volunteered as part of the Software Track in Azex, a student-led team.
- Delivered a two-week workshop introducing C++ programming basics to fellow students, covering fundamental concepts such as syntax, data types, and control flow.
- Gained experience in public speaking, peer instruction, and simplifying technical topics.

16th Al-Azhar Engineering International Conference - Organizer   Feb 2024
- Advanced Engineering Applications and Artificial Intelligence for Sustainability.
- Collaborated with faculty members and professionals to manage event logistics, guide participants, and ensure smooth session flow.