Maysoon Wafa
Software Engineer

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SUMMERY

Computer Engineering graduate aiming for a backend-focused role while continuing to strengthen my frontend expertise.

EDUCATION

Arab Academy for Science, Technology and Maritime Transport
Bachelor of Science – Computer Engineering | *09/2020 – 07/2025* | Alexandria, Egypt

- Relevant Coursework: Data Structures & Algorithms, OOP, Web Development, Databases, AI, Operating Systems, Machine Learning,Backend Development, AWS.
- Graduation Project: AgroBot – Smart Agricultural Robot (2024–2025).

EXPERIENCE

Robotics & Computer Assistant – Riada American School | *10/2025 – 1/2026*

- Assisted in developing and testing robotics projects using Arduino and Python.
- Focused on logic design, microcontroller integration, and project-based development.
- Collaborated with teams to design and debug embedded systems.

IT Intern – Tersana El Bahareya | *08/2023 – 09/2023* | Alexandria, Egypt

- Supported server and network systems, focusing on fiber optics and basic cybersecurity.
- Assisted with troubleshooting and maintaining local IT infrastructure.
- Delivered short sessions on Object-Oriented Programming and debugging practices.

PROJECTS

AgroBot – Smart Agricultural Robot (Graduation Problem) | *2024 – 2025*

- Designed, implemented and deployed a plant disease detection model using TensorFlow and OpenCV.
- Integrated an ML pipeline with IoT-based systems for real-time monitoring and control.
- Secured ITIDA funding for producing the prototype.

Web & Cloud Applications | *2023 – 2025*

- Developed RESTful APIs using Node.js and Express.js, integrating MongoDB and MySQL.
- Deployed scalable web apps on AWS (EC2, S3, Lambda) using Docker for containerization.
- Built responsive interfaces using HTML, CSS, and JavaScript (ES6+).

SKILLS

Technical: Python, C#, Node.js, Express.js, JavaScript, HTML, CSS,SQL, MongoDB, AWS, Docker, TensorFlow, Computer Vision, REST APIs, Git, Machine Learning and Deep Learning

Languages: Arabic (Native), English (Fluent/Proficient)