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Profile

I am an Information Technology student with a strong passion for developing innovative solutions using both hardware and software. Through my studies and projects, I have gained hands-on experience in embedded systems, web development, and AI-powered applications. I enjoy working in teams, solving problems, and continuously learning new skills to improve my technical and professional abilities.

Education

Borg Al Arab Technological University – Alexandria, Egypt (Sep 2022 – Present)

Bachelor of Information Technology – Third Year

Technical Skills

- Programming Languages: Python, C, C++
- Embedded Systems: Arduino Uno, Raspberry Pi
- Web Development: HTML, CSS, JavaScript, .NET (Backend)
- Databases: SQL, MySQL
- Tools & Platforms: Teachable Machine, Git
- Soft Skills: Problem-Solving, Teamwork, Communication, Time Management

Projects (Newest → Oldest)

- Smart Shopping Cart (2025) – Developed a cart with AI-based product recognition using Raspberry Pi and Teachable Machine, integrated with a web application for billing.
- University Website Project (2024) – Created a responsive university website with frontend and backend integration.
- Smart Home System (2023) – Designed and programmed an Arduino-based home automation system controlling lights, temperature, and security features.

Professional Training & Certificates (Newest → Oldest)

- Backend Development Course – 2024
- AMOC Industrial Training Certificate – 2024 (Alexandria Mineral Oils Company – 2-week training in petroleum and mineral oil operations)
- Arduino Uno Training Certificate – 2023

Languages

- Arabic – Native / Excellent
- English – Very Good

Activities & Achievements

- Participated in the 2nd International Conference on Technological Education (SCTE 2025) and received a Certificate of Appreciation for the Smart Home project.