Amal Morsi

Software Developer

PROFILE

An ambitious and highly skilled software developer with a strong academic background and a proven track record of innovative solutions. I bring extensive experience in leading complex projects, driving technological advancements, and fostering collaborative environments. My passion for continuous learning and professional growth underpins my dedication to excellence and impactful contributions.

PROFESSIONAL EXPERIENCE

LeakAvengers (Startup) — 2022 – present
Founder
- Developed The Invincible Plumber (TIP), an advanced Arduino-based system for pipe system leak detection with flow rate and water level sensors.
- Created a strategic business model targeting domestic users' needs, offering innovative solutions for leak detection.
- Showcased at GITEX Expo in Dubai, demonstrating cutting-edge technology and solutions.

Web Developer — 2021 – present
- Demonstrated expertise in crafting responsive websites with mediaQuery and JavaScript, ensuring optimal user experiences on diverse devices.
- Led design, development, and management of websites for organizations like IYNA October Branch, STEM MUN, and STEM October Fabrication Lab, bolstering their online presence and digital outreach efforts.

IEEE Helwan University Student Branch — 2021 – 2022
Event Manager and IT Volunteer
- Orchestrated Texos Web track event planning and execution with 80 participants, ensuring smooth operations and optimal engagement while mentoring 40+ high school juniors in JavaScript courses.
- Judged Texos Web development and AI Hackathon competitions, evaluating 10 teams' projects and providing constructive feedback to foster technical and creative growth.

AWARDS

1st Place, Winged Dragon Competition for GUI C++ Apps — 2024
Cairo University

1st Place, Egypt IoT & AI Challenge — 2022
Academy of Scientific Research and Technology

Bronze medalist, All Egypt Micromouse Competition — 2022
IEEE Egypt

STEM Merit-Based Scholarship — 2020
Egyptian Ministry of Education

EDUCATION

Faculty of Computers & Artificial Intelligence, Cairo University. — 2020 – 2024
Bachelor of Computer Science
- Graduated with top honors GPA 3.9, authorized several C++ examples for lectures.

STEM October High School For Boys,6 of October — 2018 – 2020
GPA 4.0

SKILLS

Skill	Level	Skill	Level
C++	● ● ● ● ●	Python	● ● ● ● ●
Web Dev	● ● ● ● ●	Arduino	● ● ● ● ○

LANGUAGES

Arabic — Native/Bilingual

English — Fluent
IELTS 7.5