Assem Ayman Abdelwahab Abdelfatah

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🔗 portfolio

Skills

- Full-Stack Web Development
- Technical Team Leadership
- Educational Robotics Programming/Coach
- Cross-Functional Instruction
- Time & Project Management
- Collaborative Communication
- STEM & Tech Education Expertise

Languages

Arabic (Native) • English (proficient)

Professional Experience

Instructor, 2022 – 2024 | Alexandria, Egypt
Techno Future Academy, Future Kids-programming Platform
- Certified **Robotics Coach** by **First LEGO League (FFL)** and **Lawrence Technological University**, with hands-on experience mentoring students in **academies and schools** across Egypt. Delivered practical training in **robotics** using LEGO Spike & EV3 & Wedo, and taught **electronics and physical computing** using **Arduino** and related technologies. Served as a **Programming & Web Development Instructor**, teaching over **50 students** programming languages including **Python, C++, Java, C#**, along with frontend technologies like **HTML, CSS, and JavaScript**. Passionate about integrating STEM education with real-world problem-solving and inspiring the next generation of tech leaders.

Education

Bachelor of computer science and artificial intelligence, 2022 – present | Alexandria, Egypt
pharos university 🔗
Expected Graduation: 2026

Courses

Innovegypt program 2023 | Pharos University, Egypt
InnovEgypt is a training program on innovation and entrepreneurship. It seeks the ones looking forward to establishing their start-ups

Full stack, *1/2024-4/2025* 🔗 Alexandria, Egypt
Back-end Node.js, Nest.js, MongoDB - Front-end React, Vite, Next.js.

software development, *The open University* 🔗 2023
A 6-hour course discussed the engineering nature of software development.

UI, *The open University* 2023
A 4-hour course taught how text, colour, images, moving images and sound interact to produce a modern user-friendly interface.

Managing complexity, *The open University* 🔗 2023
A 75-hour course provided concept of systems thinking, how it applies to problem solving and effective management.

Projects

BookMarker, *HTML & CSS & CRUD Operations & bootstrap* 🔗 2024

Weather-smart-app, *HTML & CSS & bootstrap & JS* 🔗
- Built a responsive web app using HTML, CSS, and JavaScript to display real-time weather data.

- Features: Location search, dynamic UI updates.

Online Games Webpage,   2024
made with HTML, CSS, Bootstrap , JS OOP ✎

React-Vite-Project ✎
HTML-CSS-React Vite -TailwindCss

Spiro Spates ✎   2024
- Frontend: HTML, CSS, React Vite- Styling: Tailwind CSS- Animation & Interaction: Framer Motion, React Mouse Follower, React Scroll

E-commerce Website ✎
- Developed a full-stack platform with React, Tailwind CSS, and Vite for seamless user experience.
- Integrated payment gateways and product filtering.

Sweet Home ✎
Fast and Responsive :React Vite-Tailwind CSS- Swiper

Social App, *Node.JS, Mongo, Express* ✎

job Finder App, *Node.JS, Socket, Graphql.* ✎

Saraha App, *Node.JS* ✎

Elevvo Internship Projects, *HTML, CSS, ReactVite* ✎

Certificates

FIRST LEGO League Challenge as a (coach) | Bibliotheca Alexandria | Feb 2024 ✎

ICPC Honorable Mention | International Collegiate Programming Contest | Aug 2023 ✎

Arab Olympiad for AI (3rd Place) | Egypt Championship | 2023 ✎

Full stack web development diploma ✎ — Route IT Training Center

Elevvo internship ✎ — Frontend-webDevelopment

Awards

International Collegiate Programming Contest - ICPC, ✎   07/08/2023
The 2023 ICPC ECPC Qualifications Collegiate Programming Contest

Arab Olympiad for Artificial Intelligence - Egypt Championship ✎   02/06/2024
As a team THE BOYZ We ranked third at the level of universities in the Republic of Egypt With my participation in the Embedded Systems Projects Department and with the participation of the rest of the team members in the Computer Vision Department, we won first place in the marathon in programming, third in algorithms and mathematics, and second in cybersecurity, and we qualified for the Jordan finals.

ROBOFEST RoboParade (Coach) ✎
- Trained 2 student teams to compete nationally, focusing on STEAM and problem-solving.

Organizations

Dream Team (Tech), *Head of Frontend & Backend tracks*   2025 – 04/25
Teaching fellow students everything we know a real-world experience to help everyone grow together.

Volunteering
Trips Committee Member, PUA Students Union (Organized cultural trips for 200+ students).

Dream Team (PR)
- Increased social media engagement by 40% through strategic campaigns and event planning.

Pharos University Graduation Organizer
- Coordinated logistics for 500+ attendees, ensuring seamless execution.