

# Assem Ayman Abdelwahab Abdelfatah

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🌐 LinkedIn 🔗 portfolio

## Skills

- Full-stack developer
- Team Leadership
- Robotics programming
- Cross-functional
- Time Management
- collaboration and teamwork
- STEM Education

## Languages

Arabic (Native) • English (proficient)

## Professional Experience

**programming lecturer, Techno Future Academy** 2022 – 2024 | Alexandria, Egypt

- Taught programming languages (Python, C++, Java, C#) and web development (HTML, CSS, JavaScript) to 50+ students.
- Led robotics courses (EV3, Spike, Wedo), coaching 3 teams to win regional competitions.
- Mentored students in STEM projects, fostering problem-solving and leadership skills.

**programming instructor, Future Kids-programming platform** 2023 – 2024 | Online, Egypt

- Designed and delivered online coding courses for 100+ students, achieving a 95% satisfaction rate.
- Created interactive curricula for Scratch and Web Developing, enhancing student engagement.

## Education

**Bachelor of computer science and artificial intelligence,** 2022 – present | Alexandria, Egypt

pharos university 🔗

Expected Graduation: 2026

## Courses

**Innovegypt program** 2023 | Alexandria, Egypt

At Pharos University- InnovEgypt is a training program on innovation and entrepreneurship customized for university students and graduates. The program is an exemplary option for learners aspire to be future innovators and entrepreneurs. It seeks the ones looking forward to establishing their start-ups

### **Full stack**

-Route Back end Node.js >>mySQL, NoSQL, Nest.js, MongoDB, Express.

-Front end 2024/2 – 2024/7 React HTML, CSS, JS,SASS, REACT, TailwindCSS, BOOTSTRAP, MUI, Vite, Next.js

**Introduction to software development,** 🔗 2023

The open University This 6-hour free course discussed the engineering nature of software development, its challenges and some fundamental ways to meet them.(online)

**Designing the user interface: text, color, images, moving images and sound,** 2023

The open University This 4-hour free course taught how text, colour, images, moving images and sound interact to produce a user-friendly interface.

**Managing complexity: A systems approach – introduction,** 🔗 2023

The open university This 75-hour free course provided an introduction to the 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** [↗](#)

## 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 [↗](#)

## 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

**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.