

Osama Fayez Abdelkhalik Attia Othman

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● ABOUT ME

I am a **Medical Informatics graduate** specializing in **Computers and Artificial Intelligence** from **Benha University**. I am ambitious and detail-oriented, with practical experience in **software development** following the **SDLC process**, from requirements gathering and design to implementation and testing. I have hands-on experience in **Python**, data analysis, and AI techniques, as well as mobile app development using Flutter and Dart, and web development using React and Vite. I am focused on applying **AI solutions** and structured software development in **Medical Informatics** to improve healthcare outcomes and streamline medical workflows.

● WORK EXPERIENCE

SUPERVISOR – ALMENTOR – 01/02/2024 – 01/01/2025

Link : <https://drive.google.com/file/d/1C8hZ2alt7jecjreN7FG7tZTgKcYXlW/view?usp=sharing>

- Supervised on-site coordinators to ensure smooth operations during training.
- Managed student attendance, addressed queries, and ensured the completion of exams and surveys.
- Coordinated with trainers and managed educational resources efficiently.
- Ensured safety and cleanliness standards within training centers.

ONLINE INSTRUCTOR – DEMI SUMMER PROJECT – ISCHOOL – 23/07/2024 – 28/08/2024 – EGYPT

Link : <https://drive.google.com/drive/folders/1j-ti3xuTkXdmr1JbyWr4dYD29KWYfaBA?usp=sharing>

- Conducted 59 online educational sessions on gaming development.
- Collaborated with iSchool in delivering content and managing student progress.
- Engaged students through interactive teaching methods and provided personalized support.

SUPERVISOR – EYOUTH – 04/2026 – Current

- Supervised on-site coordinators to ensure smooth operations during training.
- Managed student attendance, addressed queries, and ensured the completion of exams and surveys.
- Coordinated with trainers and managed educational resources efficiently.
- Ensured safety and cleanliness standards within training centers.

● EDUCATION AND TRAINING

2020 – 2024 Benha, Egypt

BACHELOR'S DEGREE IN COMPUTERS AND ARTIFICIAL INTELLIGENCE Benha University

Website <https://bu.edu.eg/en/> | **Field of study** Medical informatics | **Final grade** 3.11 | **Number of credits** 132

Link https://drive.google.com/file/d/1vSvs5rYiuK1UXwfMfd2WynQ0-4iDoZ0l/view?usp=drive_link

15/07/2023 – 01/09/2023 Egypt

ITI - INFORMATION TECHNOLOGY INSTITUTE (MENOFIA)

Developed a shoes store app using Flutter. Duration: 120 hours. Learned database management, Flutter, Dart, and application development. [Certificate](#)

Website <https://iti.gov.eg/home> | **Field of study** Software development | **Final grade** 92%

Link https://github.com/IbrahimMeshref/Nike_Eco.git

● HONOURS AND AWARDS

09/2024

1st Place – Benha University AI Innovations Marathon (Healthcare Track) – Benha University

- Awarded first place and a **10,000 EGP prize** for the project “*AI Techniques for Brain Stroke Detection Using Medical Images.*”
- Project reached the final stage among **31 teams out of 140** from universities and schools.
- Developed an integrated web system connecting patients, doctors, radiology centers, and radiologists using AI-powered analysis of medical images.
- Contributed to improving diagnostic speed, reducing medical errors, and enhancing healthcare service quality.
- Supervised by **Prof. El-Sayed El-Sayed Badr** and **Eng. Mohamed El-Hakim**.

Link https://drive.google.com/drive/folders/1Ce2XdTLHaSnNDQXwzuyeldnWMRXPkE_V

IEEE Egypt Section

Recognition as IEEEExtreme Egypt Section Lead

Acknowledged during the IEEE Egypt Section closing event for efforts in establishing activities across the section and promoting the IEEEExtreme competition.

Demonstrated leadership and dedication in fostering engagement and participation within the IEEE community.

Played a pivotal role in advancing the goals and objectives of the IEEE Egypt Section, contributing to its success and growth.

Link https://drive.google.com/drive/folders/1RxBoHf_a4jXhp6Khy1q1VUedI7SubA_U?usp=sharing

● VOLUNTEERING

2020 – 2023

IEEE

Egypt Section Lead – IEEEExtreme 17.0 (2023) & IEEEExtreme 18.0 (2024)

As the IEEEExtreme Egypt Section Lead for both 2023 and 2024, my responsibilities include organizing the competition, managing communications, leading the organizing committee, and ensuring compliance with IEEE regulations. I work to showcase the talent of Egyptian programmers and promote the IEEE brand through a successful and engaging competition.

Secretary - IEEE Benha University – Benha Student Branch (from 2021 - 2023)

As an IEEE student branch secretary, my responsibilities included maintaining records, communicating with the IEEE organization, organizing events and managing membership. My role was to support the smooth running of the student branch and help its members with their personal and professional development. In addition to the mentioned responsibilities, one of my notable achievements as the IEEE student branch secretary was the successful establishment of numerous partnerships with other organizations. By leveraging my networking skills and proactive approach, I actively sought collaborations with industry associations, and technology-focused organizations.

Public Relations Member - IEEE Benha University – Benha Student Branch (2020)

As an IEEE student branch PR member, my responsibilities included promoting the student branch, managing social media, writing newsletters, building relationships, and creating content. My role was to engage with members and the wider community and support the growth and success of the organization

Life Makers, Egypt.

Active member and contributed to fundraising efforts and outreach programs, raising funds and awareness for various social causes.

Link <https://drive.google.com/drive/folders/1WLsJgl3Bg70qfPeciWG1starF-NdHGce?usp=sharing>

● MILITARY SERVICE

01/2025 – 01/03/2026

Mandatory Military Service – Egyptian Navy (IT & Systems Division)

Serving as an IT soldier in the **Systems and Information Technology Branch** at the Joint Training Unit of the Egyptian Naval Forces.

Responsible for **maintenance and troubleshooting** of computers, devices, and issues related to the internal network. Supporting the unit in improving the internal digital workflow and creating smart solutions for the educational process.

Developed the **Schools Project**, a web-based application that presents all military educational content for multiple schools through a single unified interface. [Github](#)
The system pulls real-time data directly from the unit's servers to ensure accuracy and smooth access for trainees and instructors.
CommanderGate, a real-time desktop system for visitor access management between the commander and his secretary. [Github](#)

● **RESEARCH**

11/2023

Early Detection of Autism Spectrum Disorder (ML-based) | IEEE ESPC 2024

- Developed a diagnostic method using Machine Learning to identify Autism Spectrum Disorder, achieving high accuracy across multiple age groups. [Paper](#)
- Authored a technical paper following IEEE Transaction standards and presented findings to a panel of experts.
- **Result:** Secured **4th position** among 27 submissions in the IEEE Egypt Student Paper Contest. [Certificate](#)

● **SKILLS**

My skills

Programming & Development: Python, Java, Dart, Flutter (cross-platform apps), .NET (Beginner), PHP (Basic), HTML/CSS, Vite (Beginner)
Software Development & Methodologies: SDLC, Agile, Project Planning, System Analysis, Documentation
Mobile & Application Development: Flutter, Android Studio (Basic)
Management & Leadership: Communication, Teamwork, Problem Solving, Time Management, Project Coordination