**Mariam Farghali**

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# Software engineer

**Highly motivated final-year Computer Science student and coding instructor** with a 3.1 GPA, proficient in programming languages including Python, C, C++, C#, Java, Java Spring Boot, and PHP. Demonstrated expertise in algorithms, ObjectOriented Programming, Data Structure, and software development. Skilled in full-stack web development, desktop applications, and Unity games development. Enthusiastic AI intern with a passion for artificial intelligence. Possess a strong background in public relations, financial relations, negotiations, decision-making, communication, problem-solving, and time management. Recognized for quick learning abilities and creative thinking.

**WORK EXPERIENCE**

# 3C Online Coding School - Egypt • Cairo, Egypt • 07/2024 - Present

**Coding Instructor** • **Part-time**

Instruct students aged 6 to 17 in coding and programming across various levels.

* **Standard Level:** Teach foundational skills in Scratch, App Inventor, Pictoblox, Python, and web development (HTML, CSS).
* **Advanced Level:** Guide students in advanced topics including Game Development, Machine Learning and Full-Stack Web Development.

* Develop and adapt curriculum to meet the diverse needs and learning speeds of students, fostering an engaging and interactive learning environment

* Provide personalized feedback and support to ensure students' mastery of coding concepts and practical application.

**ZAKA Ambassadors - Egypt** • **Cairo, Egypt** • **02/2024 - Present**

**Data Science Intern**

**English Courses** • **Helwan, Cairo, Egypt** • **06/2023 - 09/2023**

**English assistant** • **Part-time**

My passion for languages led me to apply for a position as an English teaching assistant for secondary students. I helped them with academic challenges, and provided support with exams, homework, and lessons.

# Google Developers Student Club - Helwan University • Helwan, Cairo, Egypt • 09/2021 - 08/2023

**PR and FR member**

**EDUCATION**

# In Computer Science and Artificial Intelligence

Helwan University Cairo • GPA: 3.1 • 09/2021 - Present

* Pursuing a Bachelor's degree in Computer Science, expected to graduate in [2025]
* Achieving consistently high grades and maintaining a strong academic record throughout the program
* Actively engaged in coursework and research projects related to computer science and artificial intelligence
* demonstrating proficiency in various programming languages and technologies relevant to the field
* Seeking opportunities to apply knowledge and skills in real-world settings to enhance professional development and contribute to the industry.

**COURSES**

**National Telecommunication Institute**   
Cairo, Egypt | 09/2024  
**AI Course Supported by Huawei and the Ministry of Telecommunications**

* Completed a comprehensive AI course covering:
  + Introduction to HCIA-AI
  + Overview of Artificial Intelligence
  + Fundamentals of Machine Learning
  + Principles of Deep Learning
  + AI Development Frameworks
  + Introduction to Huawei AI Platform
  + Applications of Cutting-edge AI
  + Final Exam
  + Final Project
* **Final Project**: Developed a face detection and recognition system aimed at assisting individuals with visual impairments.

**Digital Egypt Pioneers**

Microsoft Power PI Data Analysis Course - Ongoing

**PROJECTS**

Web Development:

* Movies website
* Instant Money Transfers and Bank Accounts

Unity Game Development:

* 3D Racing Car

Made as an Android application and windows application

Machine Learning:

* Face Detection and Recognition System
* Sign Language Recognition
* Coved 90 Detection
* Breast Cancer Detection
* Diabetes Detection
* Tesla Stock Price Prediction
* Boston House Price Prediction
* Spam E-mails Detection

**VOLUNTEERING & LEADERSHIP**

# Google Developers Student Club • Cairo, Egypt • 09/2021 - 09/2023 -

* Volunteered for the Google Developers Student Club at Helwan University as a member of the PR and publicity committee
* Organized a variety of events, including coordinating logistics and planning schedules
* Managed all interactions with event inspectors and ensured compliance with regulations
* Ensured audience satisfaction and event success through detailed planning and flawless execution

**SKILLS**

**Programming skills:**

* Python, C, C#, C++, Java, PHP, Java Spring Boot
* Desktop applications, Full Stack Web Development, Unity games development
* Algorithms, Object-Oriented Programming, Data Structure

**Soft skills:**

-Communication skills

- Presentation skills

- Teaching skills

- Leadership

- Problem-solving

- Team work

- Ability to work on site or remotely

**Languages:**

* Arabic native speaker
* Very good command of English