

Marslino Edward Helmy

AI Engineer

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CAREER OBJECTIVE

AI Engineer proficient in machine learning and computer vision. I currently teach AI and work on projects while studying for a Bachelor's degree in Computer Science.

EDUCATION

Bachelor's degree, El - Shorouk Academy
Major: Computer Science
Grade: Excellent

2022 – present
Egypt

EXPERIENCE

DEMI Coding Instructor, iSchool
Hybrid full-time instructor teaching programming concepts to students aged 6 to 18.

06/2024 – present
Egypt

ML Engineer, CodSoft, Infotech
Experienced in different real projects like customer churn prediction, movie genre classification.

01/2024 – 03/2024
Internship, Remote

Data Entry Clerk
Strong attention to detail and organizational skills, achieving **80 WPM** with **98% Acc.**

02/2023 – 11/2023
Cairo, Maadi

CERTIFICATES

Deep Learning Scholarship, ODC L1&2&3
• Advanced DL concepts: NN, CNNs, RNNs, LSTMs, and optimization.
• TensorFlow and PyTorch, applying models to computer vision and NLP tasks.
• Completed capstone projects demonstrating model development, evaluation, and deployment.

08/2024 – 01/2025

AI Diploma, Instant
• AI Algorithms and Techniques.
• Practical Application and Model Deployment.
• Data Analysis and Problem Solving.

07/2023 – 02/2024

Software Engineering Scholarship, ALX - Africa
Strong communication and collaboration skills essential in dynamic environments.

12/2022 – 07/2023

SKILLS

Programming Languages
Python, Dart, C, C++ and C#.

Database Management
SQL, SQLite Knowledge, Firestore

Data Visualization
Tableau, Power BI, matplotlib, seaborn, plotly.

Problem Solving
Critical thinking skills to identify and solve complex programming challenges.

Teaching
Delivering clear and engaging coding instruction, adept at simplifying complex concepts.

PROJECTS

Computer Vision Junior Projects, +20 projects

- **Sudoku Scanner Solver**
Developed a system that scans Sudoku puzzles from images and solves them using computer vision techniques, enabling users to quickly find solutions to their puzzles.
- **Real-time Object Detection by YOLO:**
Implemented a real-time object detection system using the YOLO (You Only Look Once) algorithm, allowing for efficient identification and tracking of multiple objects in live video streams.
- **Gym Self Coach**
Created a fitness application that serves as a virtual personal trainer, providing users with customized workout plans and tracking progress to enhance their fitness journey.
- **Hand Gesture Volume Controller**

Designed a hand gesture recognition system that allows users to control volume levels on devices through intuitive hand movements, promoting a hands-free interaction experience.

ACTIVITIES

Head of AI, Google Developer Student Clubs (GDSC)

01/2024

Guiding and educating undergraduate students on the latest developments in AI.

Kaggle Notebook Master, Ranking 343 out of 61,479 developers on Kaggle

03/2024

ICPC Competitor, Twice won my university finals participated in the ECPC competition. (2023, 2024)

Competed in programming challenges, collaborating with a team to solve problems under time constraints.

SELF-STUDY & INDEPENDENT LEARNING

Deep Learning by Ian Goodfellow

Explored foundational theory in neural networks

Grokking Algorithms

Simplified complex data structures & algorithms

Learn Python 3 the Hard Way

Practiced Python through rigorous exercises

Hands-on Machine Learning

Practical ML & DL projects with Scikit-Learn, Keras, and TensorFlow

Schaum's Outline of Discrete Mathematics

Studied core logic, set theory, and combinatorics

Clean Code

Improved software design and maintainability practices

LANGUAGES

Arabic: Native

English: Fluent