

Marslino Edward Helmy

AI Engineer

lino.edward11@gmail.com | +(20)1228767453 | Cairo, Egypt | LinkedIn: Marslino Edward | GitHub: MarslinoED

Kaggle: MarslinoEdward

CAREER OBJECTIVE

AI & Software Engineer proficient in machine learning, computer vision, and full-stack development with React, Django, and FastAPI. I build AI-driven and cross-platform applications using Flutter, and deploy scalable solutions while teaching and working on projects during my 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

Full stack Diploma, ITI
• Solid grounding in **Frontend** Development: HTML, CSS, JavaScript, React.
• Solid grounding in **Backend** Development: Django, MySQL
• **Deployment** skills: hosting with Vercel, and GitHub Pages.

07/2025 – 08/2025

Full stack Diploma, Route
• Foundations in **Frontend Development**: HTML, CSS, JavaScript, Bootstrap, jQuery.
• Foundations in **Backend Development**: FastAPI, MySQL, Firebase.
• Learned **Deployment**: hosting with Heroku, Vercel, and GitHub pages.

01/2025 – 06/2025

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

Flutter Development Course, Udemy
• Learned cross-platform mobile development.
• Built practical apps covering all software concepts.
• Gained experience in publishing and structuring scalable mobile applications.

04/2024 – 09/2024

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.

Mobile Development Junior Projects (Flutter), + 12 projects

- Social Media App
Full social app with real-time posts, likes, and chats, everything you'd expect from a modern feed.
- Saint of Silence – Matchmaking Game
1v1 online card game with real-time matchmaking and custom design. A multiplayer experience with its own middle-age vibe.
- QR Attendance App
A simple app to scan QR codes and log attendance directly to Firebase. Clean, fast, and perfect for quick check-ins.
- Just Chat (Terminal Edition)
A chat app with a fun twist mimics a command-line terminal but works with live messages.

Full-Stack Development Junior Projects (Native & React), +15 projects

- Interactive chatbot agent
web chatbot powered by JavaScript logic.
- Typing Speed Test (Monkeytype Clone)
Real-time typing speed tracker with scoring and feedback

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

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|---|---|
| Deep Learning by Ian Goodfellow
Explored foundational theory in neural networks | Hands-on Machine Learning
Practical ML & DL projects with Scikit-Learn, Keras, and TensorFlow |
| Grokking Algorithms
Simplified complex data structures & algorithms | Schaum's Outline of Discrete Mathematics
Studied core logic, set theory, and combinatorics |
| Learn Python 3 the Hard Way
Practiced Python through rigorous exercises | Clean Code
Improved software design and maintainability practices |

LANGUAGES

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| Arabic: Native | English: Fluent |
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