

Marawan Yakout

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www.marawan.net

Artificial Intelligence Engineer | AI Developer | Machine Learning | Neural Networks | Data Scientist

EDUCATION

University of London

London, United Kingdom

Academic Degree (BSc in Computer Science AI & ML Path)

Classification: Grade achieved to date: 4 GPA (expected)

Apr 2027

Relevant Coursework: Software Design & Development / Data Bases Networks & the Web/ Programming with Data

University of Central Lancashire

Preston, United Kingdom

DipHE Higher National Diploma with Mirit in Engineering

2 Years / 2021

Classification: 3.7 GPA

Relevant Coursework: Computational Fluid Dynamics - CFD / Computational Aided Engineering Design / Engineering Analysis / Project Management.

WORK EXPERIENCE

DK AI Laps

Amsterdam, Netherlands

AI Researching Assistant | Part-time | Hybrid

Jan 2025 – Present

- Prepared and developed to 10+ workshops on AI and machine learning, engaging 20+ participants and facilitating hands-on learning experiences that enhanced understanding of advanced technologies.
- Improved the development of AI research ML Models across 4 fields, including space, medicine and energy sectors.
- Completed 2 Data Analysis and Machine Learning Training.

LiveAI - EU

Amsterdam, Netherlands

AI Researcher & Instructor | full-time | Hybrid

Aug 2024 – Dec 2024

- Mentored 20+ interns, resulting in a 20% increase in learning output efficiency and enhanced practical skills development within the team.
- Provided new ideas for improving learning techniques of AI & ML oriented courses for LiveAI platform resulting in 20% improvement in course engagement.
- Help Delivering AI basic models using hugging face and Google Co-Lap.
- Created a full 5h + Python course with more than 200+ learners on LiveAI.eu with top world high class quality.

Radical AI

New York, USA

AI Engineer | full-time | Internship | Remote

Jun 2024 – Oct 2024

- Created Gemini Qualify project that generates questions based on PDF inputs of books or articles via Google Vertex AI API and Streamlit for front end over a period of 3 months.
- Collaborated with 4+ Team members over shared learning AI projects.

PROFESSIONAL PROJECTS

Serwed

GitHub - [<https://github.com/MarawanYakout/SERWED>]

Feb 2026

- SERWED short for (Synthetic Extreme Rare Weather Events Data) generator is a Machine Learning ML context-conditioned DDPM (Denosing Diffusion Probabilistic Model) for generating and analyzing satellite cloud imagery using NASA GPM & GOES satellite filtered datasets with associated timestamps and wind speed annotations & embeddings enabling conditional generation, robustness and rapid experimentation using (16x16) images with scalability to larger sizes.

Gemini Quizify

GitHub - [<https://github.com/MarawanYakout/Gemini-AI-Quizify>]

Jun 2024 – Oct 2024

- Engineered a full-stack AI application to generate accurate quiz questions from uploaded PDFs of books, articles or journals, leveraging Google Vertex AI API for natural language analysis and data processing using Streamlit for front-end UI development.

- Designed and optimized data pipelines to process and extract key insights from diverse document formats, reducing processing errors by 30%.
- Coordinated with cross-functional team of 5 to align project goals, delivering a scalable solution adopted by 10+ internal users for educational content creation.

CERTIFICATIONS

C for Everyone: Programming Fundamentals

University of California, Santa Cruz | Credential ID J6ZWOZL7TZWW

Online
Sept 2025

Programming For Everybody

University of Michigan | Credential ID UJZKB47NGG87

Online
Dec 2024

MATLAB Onramp

Certified - Training Issued by MathWorks

Online
Sept 2025

Supervised Machine Learning: Regression and Classification

Stanford University | Credential ID O6WVUXO3KMMU

Online
Jan 2025

Foundations of Project Management

Google | Credential ID 2TBI9VH2I1PK

Online
Jan 2025

IELTS

British Council - Overall: 7.5 | Credential ID 23G000627YAKM750A

In-Person
Aug 2023

PUBLICATIONS

- **Yakout et al. (2026). Physics-Informed Diffusion Model for Generating Synthetic Extreme Rare Weather Events Data. [MDPI] Preprint available on arXiv.**
- AI for Social Good - Article "Highlights Potential of AI potential Development across fields" - **Self Published.**
- Professional Course in Python Programming Language Basic to Advanced - **Published over [LiveAI.eu](https://liveai.eu)**

SKILLS & INTERESTS

- **IDE'S | Environments:** UNIX (zsh, bash, pwsh), VS Code, PyCharm, IntelliJ IDEA, WebStorm, CLion
- **Platforms:** Git, GitHub, Jupiter Notebooks, Google Colab, Kaggle
- **Programming Languages:** Rust, C / C++, Python, Java JavaScript, TypeScript, Lua, C#
- **AI/ML Frameworks:** TensorFlow, PyTorch, scikit-learn, Keras, OpenCV, CUDA
- **Data Analysis:** Pandas, NumPy, SQL, Seaborn, XML, JSON, NoSQL
- **Data Visualization:** MATLAB, Octave, Matplotlib, LaTeX
- **Web Development:** HTML, CSS, React.js, Node.js, Next.js
- **Tools & Platforms:** AWS, Google Cloud Platform
- **VM | Server side:** Docker, Kubernetes, Postman, Apache (Hadoop, Hive, spark)
- **Other Editors:** Emacs (Default), Nano, Vim/Nvim
- **OS:** Mac OS, Windows, Linux (Ubuntu, Fedora, Debian, Linux Mint, and Arch/Nix, Kali/Parrot)
- **Computer General:** Libre Office Suite, SAP Process, Microsoft Office Suite.
- **Languages:** Arabic | English | German

AWARDS & ACHIEVEMENTS

- **STEM International Science Fair - 3rd Place by Intel Co, Qatar Foundation**

Doha, 2017

PROFESSIONAL AFFILIATIONS

- Project Management Institute - **Associate Member**