Mohammed Montaser Abbas Mohammed
Junior Machine Learning Engineer

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PROFESSIONAL SUMMARY

AI & Computer Science student specializing in machine learning and full-stack development. Completed a 280-hour Full-Stack MERN Development program through an ITI–Sphinx University co-op. Appointed Huawei ICT Academy Ambassador, representing 800+ students and leading workshops to expand ICT engagement. Achieved 2nd place at GDG DevHack'24 and 4th at IEEE UEA7 Hackathon with AI-driven projects like Moeen, an Arabic Sign Language Translator. Passionate about leveraging AI and software engineering to build inclusive, real-world solutions.

EXPERIENCE

Huawei ICT Academy Assiut, Egypt *(Hybrid)* July 2025 – Present

Huawei ICT Academy Ambassador

- Represented Huawei ICT Academy on campus, promoting technical programs and certification opportunities.
- Organized sessions and workshops to increase student participation in Huawei's ICT talent initiatives.
- Managed academy activities and coordinated communication between Huawei and Sphinx Academy .
- Assisted in organizing and executing summer camps and training courses to enhance students' practical skills.

Proper Business Solutions Cairo, Egypt *(Remote)* Jul 2022 – October 2022

Telemarketing Agent (English)

- Communicated with international clients in English

EDUCATION

Sphinx University Asyut, Egypt September 2023 - June 2027

- **Bachelor of Science:** Computer Science, And Artificial Intelligence

TRAINING

Information Technology Institute (ITI) Asyut Branch, Egypt February 2025 - October 2025

- **Full-Stack Web Development (MERN):** 280 Hours, 8-Month Co-op Program with Sphinx University

National Telecommunication Institute (NTI) Asyut, Egypt November 2025 - January 2026

- **Professional Training:** Machine Learning for Data Science Program (120 Hours)

Digital Egypt Pioneers Initiative (DEPI) Asyut, Egypt December 2025 - Present

- **Professional Training:** AI & Data Science Track — Microsoft Machine Learning Engineer

PROJECTS

Moeen: Arabic Sign Language Translator (**GDG`24 DevHack 2nd Place Winner**)

- Developed a web application capable of translating Arabic Sign Language to text and speech, facilitating communication for individuals with hearing and speech impairments.
- Supports 512 words, 40 sentences, all letters, and numbers
- Utilized Google MediaPipe for hand landmark detection, LSTM for sequence modeling, and LLM for word correction and autocompletion
- Trained, evaluated, and optimized deep learning models for real-time sign language recognition and deployed the solution as a web application.

- Integrated Text-to-Speech (TTS) for vocalizing translated content.

Quiz-App: AI-Powered Educational Assessment Platform (**ITI Graduation Project**)

- Developed an intelligent web platform for creating, managing, and analyzing quizzes in educational settings, enhancing teaching efficiency and student engagement.
- Implemented AI-driven quiz generation using Gemini API to automatically create questions from uploaded lecture files (PDF, DOCX, TXT).
- Developed using React, Tailwind CSS, and Node.js, ensuring a responsive, modern user interface and seamless user experience.

CERTIFICATE

- **Huawei HCIA-Datacom**
  - Issued by: Huawei ICT Academy
  - Date of Completion: Sept, 2024
  - Certificate

- **Sprints x Microsoft Summer Camp - AI and Machine Learning**
  - Issued by: Sprints
  - Date of Completion: Sept, 2025
  - Certificate

- **Huawei HCIA-AI**
  - Issued by: Huawei ICT Academy
  - Date of Completion: Dec, 2025
  - Certificate

SKILLS

- **Artificial Intelligence & Machine Learning:** Python, Machine Learning, Deep Learning, Supervised & Unsupervised Learning, Neural Networks, LSTM/RNNs, Feature Engineering, Model Training & Evaluation, Hyperparameter Tuning, Model Optimization
- **Frameworks & Tools:** TensorFlow, Keras, MindSpore, Google MediaPipe, Google Colab, Kaggle
- **Full-Stack Development:** React.js, Node.js, Express.js, Flask, RESTful APIs, MongoDB, MySQL, Tailwind
- **Cloud & Platforms:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), Cloud Computing, VM Deployment, Cloud Storage, Basic Cloud Networking
- **Languages:** C1 Fluency in English (CERT) - Native Arabic