Ziad Amer

6th of October, Al Jizah, Egypt

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Summary

● Experience:

- 8+ years of total experience in coding, with 4+ years specializing in Artificial Intelligence and Applied Machine Learning. Developed scalable AI systems leveraging deep learning, computer vision, and predictive analytics.
- I am also Experienced in Neural Networks, Scikit-Learn, Pandas (Software), Artificial Neural Networks, NumPy, Applied Reinforcement Learning

● Skills:

Proficient in Python, TensorFlow, Keras, OpenCV, Deep Mathematical Machine Learning Algorithms. Experienced in breaking down complex technical concepts for learners and mentoring teams to master AI principles and real-world applications.

● Career Highlights:

- Explained one of the hardest mathematics questions to peers (The Legend of Question Six), fostering a culture of curiosity and understanding.
- Successfully built AI-powered systems, including healthcare solutions, smart home automation, and predictive analytics tools.
- Mentored aspiring coders to bridge the gap between theory and hands-on AI implementation.

● Certified Machine Learning Specialist (Stanford University)

● Currently Learning:
 - YOLO, Ultralytics, Transformers and Its Revolutions in Computer Vision, Deep Learning Specialization (Andrew NG) {Last Course}, Stable Diffusion, GloVe (Global Vector for Word Representation)

Experience

Machine Learning Specialist
GDG on Campus Modern Academy for Computer Science

Nov 2024 - Present (2 months)

As an AI Tutor at GDG, I help individuals navigate the complexities of AI and machine learning. I break down technical concepts into digestible pieces, ensuring that learners not only understand but also apply AI principles. My role is to mentor, guide, and provide hands-on learning experiences to foster growth in AI knowledge, preparing individuals for real-world challenges. By sharing practical insights and empowering others, I strive to create a community that thrives on collaboration and continuous learning.

Teaching is all about Communication and Leadership in order to march through the concepts of AI... Which I excel at.

Machine Learning Architect

Freelance

Nov 2024 - Present (2 months)

As a freelancer, I specialize in providing problem solving tailored to AI and machine learning solutions for clients across various industries. Whether it's developing predictive models, building intelligent

systems, or offering expert guidance, I focus on delivering results that address real-world challenges. I work closely with clients to understand their specific needs, then craft customized, scalable AI solutions that drive efficiency, optimize decision-making, and create business value.

Education

Faculty of Computers and Artificial Intelligence - Cairo University

Bachelor's degree, Artificial Intelligence

Oct 2024 - Jul 2028

My university experience is about more than just gaining technical knowledge—it's about applying what I've learned in meaningful ways, collaborating with peers, receiving mentorship, and staying motivated to continuously improve. It's been a powerful foundation for everything I'm doing now and a launching pad for future success in AI and machine learning.

Licenses & Certifications

Machine Learning Specialization - Stanford University
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Skills

Machine Learning Models • Recommender Systems • Deep Neural Networks • Best ML Practices • Decision Trees • Linear/Logistic Regression • Python (Programming Language) • Simplifying Complex Concepts • Hands-On Mentorship • Communication & Patience

Honors & Awards

4th Winning Project Nationally (Egypt) - Ministry of Education
2020

Project MaLoM: AI Research Assistant Project

● Description: Designed and developed an AI-powered application leveraging Optical Character Recognition (OCR) to assist researchers in extracting, processing, and organizing textual information. The application features a streamlined user interface built with Tkinter, enhancing usability and efficiency for non-technical users.

● Impact: Enabled researchers to save time and increase productivity by automating document analysis and data extraction processes.

● Achievements: Secured 4th place at the national level in a competitive tech competition, demonstrating technical excellence and innovative problem-solving.