

Yousef Zaghloul

MACHINE LEARNING ENGINEER

Giza | 01556916955 | Yousef9amr@gmail.com | [Linkedln](#)

Objective

AI enthusiast with 2+ years of learning experience in the fields of Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP), Computer Vision (CV), Large Language Models (LLMs) and Data Science. I have contributed to and practiced real-world projects, applying theoretical knowledge to practical challenges. Proficient in tools and frameworks such as TensorFlow, PyTorch, and Python. Eager to leverage hands-on project experience and innovative solutions to tackle complex machine learning problems. Aiming to grow as part of a collaborative team dedicated to advancing the forefront of AI technology through cutting-edge research and real-world applications.

Experience

AI Instructor | Free-Lancing

Aug 2023 - Feb 2024

- Developed a comprehensive curriculum for a coding boot camp that covered the fundamentals of web development and software engineering for kids.
- Conducted sessions twice a week, covering the main components of hardware architecture of the PC and the Internet.
- Included detailed instruction on the fundamentals of Microsoft Office, teaching efficient use of Word, PowerPoint, and Excel.
- Progressed to HTML and web development fundamentals, followed by Python programming basics.
- Introduced the fundamentals of AI, discussing what AI is, its various fields, and practical applications.
- Assigned tasks each session to reinforce learning and practical application of the concepts taught.

Internships

Mentorless | Machine Learning Engineer

Mar 2024 - Apr 2024

CodeAlpha | Machine Learning Engineer

Mar 2024 - Apr 2024

SYNC INTERN'S | Machine Learning Engineer

Mar 2024 - Apr 2024

Education

Nile University, B.Sc Artificial Intelligence

Oct 2021 – Jul 2025

Major: Artificial Intelligence | Minor: Computer Science

Projects

Face Recognition System

- Developed a system to identify and verify individuals using facial recognition technology.

Predict Crime Rate Analysis

- Analyzed crime data to predict future crime rates using machine learning algorithms.

Database Train Reservation System

- Created a database system to manage train reservations efficiently.

Predict Disease

- Developed a predictive model to identify potential health issues based on patient data.

Brain Tumor Detection

- Applied deep learning and image processing techniques to detect brain tumors from medical imaging.

Real-Time Sign Language Detection

- Implemented a system to recognize and translate sign language gestures in real-time.

Image Captioning using Transformers

- Developed a model using transformers to generate descriptive captions for images.

Technical Skills

- Programming Languages: Java, C++, C, Python, HTML, JavaScript, SQL
- Frameworks: TensorFlow, Keras, Scikit-learn, NLTK, OpenCV, Matplotlib, Numpy, Seaborn, Pandas
- Tools: LangChain, CrewAI, Git, Virtualization, Containerization, AWS Services, Microsoft Office, Power BI
- Domains: Artificial Intelligence, Machine Learning, Deep Learning, NLP, Computer Vision, Data Analysis, Data Science, Data Mining, Database, LLMs, Generative AI, RAG, GANs

Soft Skills

- Leadership
- Creative Thinking
- Time Management
- Problem-Solving
- Networking

Certifications and Courses

- Machine Learning Scientist with Python, DataCamp
- Natural Language Processing in Python, DataCamp
- Machine Learning, Coursera/Stanford
- Deep Learning, Coursera
- DeepLearning.AI TensorFlow Developer
- GANs, DeepLearning.AI
- AI Programming Nano Degree, Udacity

Languages

- Arabic (Native)
- English (Fluent)