Abdelrahman Mahmoud Mohammed

AI-Machine Learning Engineer

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📍 Menouf, Menoufia, Egypt

in Abdelrahman Mahmoud

OBJECTIVE

Motivated Computer Science and Engineering student with a specialization in Artificial Intelligence, looking to work at internships or entry-level positions in Machine Learning and AI research, Passionate about building data-driven solutions and developing strong foundations in machine learning, computer vision, and large language models. With strong commitment to continuous learning through hands-on experimentation contributes to impactful AI projects and effective collaborative teamwork.

EDUCATION

Bachelor of Electrical & Electronic Engineering

Menofia University | 2023 - Present

- **Major :** Computer Science and Engineering
- **GPA :** 3.57
- **Relevant Courses:** Programing - Data Structure & Algorithms - AI - Operating Systems - Software Engineering - Computer Vision - Database - Data Science - OOP

INTERNSHIPS

Machine Learning Engineer Trainee
Digital Egypt Pioneers | December 2025 - Present

(AI & Data Science - Microsoft ML Engineer)

- Applied machine learning and data science techniques using Python, including preprocessing, visualization, and feature engineering.
- Built and evaluated Machine Learning and Deep Learning model for Computer Vision and Natural Language Processing (**NLP**) tasks.
- Gained Hands-on experience with Microsoft Azure AI Services and MLOps tools.

COURSES

Python Programming (2 weeks)

FreeCodeCamp

- Learned Python fundamentals, data structures, problem-solving techniques.

Complete Data Science, Machine Learning, DL, NLP Bootcamp (20 months)

Udemy - Krish Naik

- Covered core concepts in Data Science, Machine Learning, Deep Learning, and NLP.
- Gained hands-on experience with data preprocessing, model building, evaluation, and real-world use cases.

Machine Learning Specialization (6 weeks**)**
Coursera - DeepLearning.AI | **Andrew Ng.**

- Mastered fundamental concepts of supervised learning and unsupervised learning.
- Implemented Gradient Descent and Cost Functions from scratch to optimize Linear and Logistic Regression models.

Generative AI Training (NVIDIA DLI - Supervised by ITI**) (**4 weeks**)**
NVIDIA Deep Learning Institute (**DLI**) | Information Technology Institute (**ITI**)

- Gained hands-on experience with Generative AI concepts, model workflows, and prompt engineering concept.
- Worked with NVIDIA DLI labs to understand modern AI model development and practices.

PROJECTS

Car Showroom System (4 weeks**)**
Project Description: Developed a Python-based system to manage a car showroom, including vehicles data on stock, customers reviews, and sales analysis. Using JSON iles for dataset and Pandas Library for analysis.
Tools: Python, Pandas, JSON Files, File Handeling
GitHub Link: https://github.com/Abdulrahman-Mahmoud-12/car-showroom-system

MRI Brain Tumor Detection (3 weeks**)**
Project Description: Developed a Python-based AI system to detect brain tumors from MRI images using YOLO object detection, with Streamlit-based GUI for easy interaction. The system identify tumor regions and tumor type
Tools: Python, YOLOv8, Streamlit, OpenCV

SKILLS

Programming Languages:
- C++, Python, SQL

Machine Learning:
- supervised and unsupervised learning, CNN, RNN, YOLO, model evaluation & optimization

Data & Analysis:
- NumPy, Pandas, NumPy, Seaborn, Data cleaning, EDA & visualization

Tools:
- Jupyter Notebook, Google Colab, VSCode, Git & GitHub

Soft Skills:
- Problem-solving, Analytical thinking, Fast learning, Team collaboration, Stress management, Research & technical writing

LANGUAGES

Arabic : Native
English : Conversation