Mark Maged Edward Ai & Data Scientist

Egypt

📞 +20-122-561-3034   ✉️ markmaged239@gmail.com   in linkedin.com/in/mark-maged-24932a2a3

markmaged165 · GitHub   MarkMaged33 | Kaggle

OBJECTIVES

Data Scientist focused on the full data lifecycle, from analyzing real-world problems to designing intelligent software solutions, Skilled in leveraging Python, Machine Learning and Deep Learning to build scalable data products.

Education

Mansoura University

Sep 2021 – Jan 2026 *…, bachelor's degree in computer and communications engineering (CCE)*

- GPA: 3.6/4.0

Experience

Digital Egypt Pioneers Initiative (DEPI) | *AI & Data Science Trainee* \ **Oct 2024 – Mar 2025**
- Gained comprehensive hands-on experience in the full Data Science lifecycle, from data engineering to model deployment.
- Developed end-to-end machine learning models using Python and Scikit-Learn to solve real-world business problems.

Freelance Data Scientist | *Khamsat (Remote)* \ **Apr 2025 – Present**
- Project: Job Market Web Scraper – Delivered a custom automation solution for a client to analyze Python internship market trends.
- Built a robust scraper using Beautiful Soup and Requests, successfully extracting and structuring complex web data.
- Achieved 85% data completeness, providing the client with a clean, actionable dataset for salary and skill requirement analysis.

CERTIFICATIONS & TRAINING

- **NVIDIA DLI Summer Training: Generative AI** – ITI & NVIDIA (2025)
- **Computer Vision Track** – Information Technology Institute (ITI) (2024)
- **Machine Learning Track** – National Telecommunication Institute (NTI) (2023)
- **Python for Data Science & AI** – IBM (Coursera)
- **Data Science Career Track** – Data Camp *(data cleaning, SQL, Eda and Feature Eng)*

Skills

- **Languages:** Python, C, SQL, Java
- **Machine Learning:** TensorFlow, Keras, Scikit-Learn, OpenCV, Pandas, NumPy
- **Concepts:** Deep Learning, Computer Vision, NLP, MLOps, OOP
- **Mathematics**: Linear Algebra, Calculus, Probability & Statistics
- **Database:** MySQL

PROJECTS

Automated Carton Inspection System | *Raspberry Pi, OpenCV*
- Developed a real-time quality control system using Computer Vision to automate detection on production lines.
- Integrated a Raspberry Pi with camera modules, achieving a 76% detection accuracy in identifying defective cartons during testing.

Intelligent Book Recommendation System | *Python, Scikit-Learn*
- Built a personalized recommendation engine using KNN-based Collaborative Filtering and User-to-User similarity.
- Optimized model performance, achieving a Precision of **0.8** and recall of **0.3**, successfully suggesting relevant titles based on user history.

Used Car Price Predictor | *Python, Pandas, Scikit-Learn*
- Developed a linear regression model to predict vehicle prices based on mileage, year, and brand.
- Identified key pricing factors and achieved an accuracy (R^2 score) of 78% on the test dataset.

Employee Database Optimization | *MySQL, Workbench*
- Designed complex SQL queries, Views, and Window Functions to manage employee records.
- Optimized database performance, achieving a **40%** reduction in query processing time for reporting tasks.

Volunteer

- **CAT Reloaded**
  - Member (Present)
  - FR/PR member
  - Data scientist
- **Luminous MU**
  - Member (Present)
  - Logistics
  - AI instructor

Arabic	English
native	B2