Mohamed Waleed Abdo Mohamed Elmogy

Junior AI Engineer | Data Analyst (Medical AI & Bioinformatics)

✉ mohammed.elmogy7500@gmail.com 📞 +201027839779 📍 Egypt

🔗 linkedin.com/in/mooogyyy ⬡ github.com/MohamedElmogy25

Motivated **Junior AI Engineer and Data Analyst** with a strong academic background in **Artificial Intelligence and Bioinformatics**. Experienced in building **machine learning and deep learning models**, preprocessing medical and biological data, and extracting actionable insights from large datasets. Particularly interested in **medical imaging, disease diagnosis, and healthcare AI applications**. Skilled in Python, data analysis, and end-to-end model development, with hands-on project experience using real-world datasets.

🎓 EDUCATION

2021 – 2025	**Delta University For Science And Technology** 🔗	Egypt
	Bachelor's Degree in Artificial Intelligence & Bioinformatics	
	GPA: 2.904 / 4.00	

💼 PROFESSIONAL EXPERIENCE

2023 – 2025 **Data Analyst (Internship Experience)**
- Analyzed large structured and unstructured datasets using **Python and SQL** to support data-driven decision making.
- Applied **data cleaning, preprocessing, and exploratory data analysis (EDA)** techniques using Pandas and NumPy.
- Built basic **predictive models** and evaluated performance using statistical and machine learning methods.
- Designed data visualizations and dashboards using **Power BI, Tableau, and Matplotlib** to communicate insights effectively.

2022 – 2025 **Bioinformatics Trainee / Research Experience**
- Analyzed **biological and medical datasets** using computational and machine learning approaches.
- Developed **Python scripts and pipelines** for genomic and biomedical data processing.
- Worked on **disease prediction and classification models** combining AI techniques with bioinformatics concepts.
- Utilized tools such as **Biopython, FASTA formats, and BLAST** for biological sequence analysis.

🎖 CERTIFICATES

- Fake News Detection with Machine Learning 🔗
- Introduction to Computer Vision and Image Processing 🔗
- Applied Machine Learning in Python 🔗
- Intro to Analytic Thinking, Data Science, and Data Mining 🔗
- Operations Research (1): Models and Applications 🔗
- Operations Research (2): Optimization Algorithms 🔗
- Operations Research (3): Theory 🔗
- Dynamic Programming, Greedy Algorithms 🔗
- Fundamentals of Network Communication 🔗
- Numerical Methods for Engineers 🔗

📚 COURSES

2024 – 2025	**Google Data Analysis Specialist**
	from Digital Egypt Pioneers Initiative 🖉

🧠 SKILLS

Technical Skills

Programming & Databases
- Python, SQL

Machine Learning & AI
- Scikit-learn, TensorFlow, PyTorch

Data Analysis & Visualization
- Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau

Bioinformatics Tools
- Biopython, FASTA, BLAST

Platforms & Tools
- Google Colab, Kaggle Notebooks, GitHub

Soft Skills
- Analytical & Problem-Solving Skills
- Critical Thinking
- Technical Communication
- Team Collaboration
- Adaptability & Continuous Learning
- Time Management

🌐 LANGUAGES

Arabic — Native/Bilingual

English — Conversational

📂 PROJECTS

01/2025 – 03/2025	**Supermarket Sales Data Wrangling & Analysis** 🖉
	• Cleaned and preprocessed supermarket sales data to extract business insights.
	• Created a comprehensive data wrangling report and business insights presentation.
	• Utilized Python (Pandas, NumPy, Seaborn) for analysis and visualization.
2023 – 2024	**DiagnoLink – AI-Powered Chest Disease Diagnosis**
	• Developed a machine learning model for diagnosing chest diseases using NIH Chest X-ray dataset.
	• Preprocessed and analyzed chest imaging data, patient history, and clinical notes.
	• Integrated AI-based diagnosis with doctor consultations for real-world applicability.
	• Tools Used: Python, TensorFlow, Pandas, OpenCV

👤 MILITARY SERVICE

Personal Information
- **Military status: -** Exempted
- **Date of birth:** 20-08-2003