Nagwa Mohamed M.Attia .

AI & Machine Learning Engineer

✉ nagwammatia@gmail.com

📍 Zagazig, El Sharkia (easy to relocate).

○ GitHub

📞 +20 1553998973

in Linkedin

kaggle Kaggle

Profile

Results-driven Machine Learning Engineer with strong experience in applied machine learning, data analytics, and generative AI. Adept at designing scalable AI solutions with a strong focus on automation and cloud-first strategies. Proficient in TensorFlow, Scikit-learn, and NLP with Hugging Face Transformers. Passionate about working remotely with high-performance teams and building software that drives measurable business impact.

Education

10/2024 – 07/2025	**9-Month Diploma (ITI) Information Technology Institute ,(MCIT) Ministry of Communications and Information Technology , AI track ,Mansoura Branch.**
10/2020 – 05/2024	**Bachelor's degree in computers and informatics Faculty of Computers and Informatics, Zagazig University Medical Informatics Department, GPA: 3.56 (Excellent).**

Internships

04/2024 – 10/2024	**Machine Learning Trainee at Digital Egypt Pioneers Initiative** ☐
08/2022 – 02/2023	**Data Analyst Track (ITI-Tec-Leaps) from (August 2022 to February 2023)** ☐

Technical skills:

- Programming Languages: Python, C++, C.

- Generative AI & NLP: GPT, BERT, LLaMA , Prompt Engineering.

- Databases: MySQL, MongoDB, SQL Server.

- ML & DL Frameworks: TensorFlow, Scikit-learn, OpenCV, Hugging Face Transformers

- Data Analysis & Visualization: Power BI, Tableau, Excel.

- Other: Linux, OOP, Data Structures, Algorithms

Projects

- **Obesity Risk Prediction** ☐
Built ML models (Random Forest, SVM, XGBoost) to predict obesity risk from lifestyle data, enabling early healthcare intervention.

- **Image-Analysis-Classification-Segmentation** ☐
Built deep learning pipelines using ResNet50-based U-Net for cat vs dog classification and a custom U-Net for lung image segmentation.

- **Weather image classification** ☐
Implemented transfer learning using pretrained CNNs (DenseNet121, ResNet50) to classify weather conditions from image data.

- **Arabic POS_Tagging** ☐
Fine-tuned BERT (asafaya/bert-base-arabic) for POS tagging using token classification and evaluated with seqeval metrics.

- **Classification_news_Project** ⧉

Designed a NLP project with feature extraction, dimensionality reduction, EDA, and clustering to classify and analyze news articles.

Courses

- **Career Essentials in Data Analysis from Microsoft and LinkedIn.** ⧉

- **Google Data Analytics Professional Certificate.** ⧉

Personal Skills

- Analytical and problem-solving mindset
- Effective communication and presentation skills.
- Highly motivated for remote work opportunities.
- Fast learner, open to feedback.
- Team player with a collaborative mindset.

Languages

English
B2 (Upper-Intermediate)

Arabic
Native