Mohamed Ashraf Safwat

Egypt, Cairo| +20155458741 | [LinkedIn](#) | [GitHub](#) | Ashr22w2@gmail.com

SUMMARY

AI-focused Computer Science graduated with hands-on experience in machine learning, data engineering, and cloud technologies (Azure, TensorFlow, Power BI). Proven success in delivering real-world AI applications in both academic and freelance settings. Passionate about leveraging AI to solve meaningful challenges and eager to contribute as a Junior ML Engineer or Data Analyst in a dynamic, innovation-driven team.

EDUCATION

October 6 University—*Bachelor of Computer Science(Minor: Artificial Intelligent)*
*Egypt,Giza|**2021 -2025***

- **GPA**: 3.31—Very Good.

EXPERIENCE

1. **Prompt Engineer** — Outlier
 Remote | Part-time | Oct 2024 – Present
    - Developed and designed mathematical prompts to enhance AI chatbot performance and engagement.
    - Applied advanced prompt engineering techniques to improve AI response quality.

2. **Data Engineer Intern** — Digital Egypt Pioneers Initiative (DEPI)
   Hybrid | Internship | May 2024 – Oct 2024
    - Built and optimized data pipelines utilizing Azure Data Lake, Data Factory, and Databricks.
    - Analyzed large datasets to improve query performance and data accessibility
    - Developed robust data engineering solutions with Power BI and Flask.

3. **WordPress Developer** — Khamsat
   Freelance | Remote | Jun 2024 – Present
    - Designed responsive WordPress websites focused on user experience and performance.
    - Implemented SEO strategies to improve visibility and drive organic traffic.

Projects

[ML Model for Diagnosis of Dyslexia .](#)
- **Dyslexia Detection:** Built a text-based diagnostic model using questionnaire responses and natural language features. Implemented preprocessing pipelines and trained the model using the ExtraTreesClassifier with Python and scikit-learn then Deployed model in a Flask web application educators.

[Customer Data Analysis and Improvement .](#)
- Led Power BI and database development in a full-cycle customer data project.

- Designed and implemented an SQL Server database to manage customer profiles, transactions, and interactions.

- Built Python scripts using Pandas and SQLAlchemy for data extraction, cleaning, and analysis.

- Created dynamic Power BI dashboards for real-time visualization of customer insights.

- Supported deployment of the solution using Azure Web Services and Flask, including backend integration and MLOps with MLflow.

Facial Expression Recognition with CNNs .
- Built a CNN-based classification system using data augmentation (rotation, shear, zoom, horizontal flip).

- Designed a model with convolutional, pooling, and normalization layers, incorporating dropout for regularization**.**

Skills

- **Programming**: Python, familiar with C++.

- **Frameworks & Tools:** TensorFlow, Karas, Flask, OpenCV, Power BI, Azure, SQL.

- **AI/ML:** SVM, Extra Trees, ARIMA, CNN, Model Deployment, Data Preprocessing.

- **Soft Skills:** Team Collaboration, Communication, Problem-solving, Data Visualization.

Certifications & Courses

- **Huawei HCIA-BIGDATA Course**
  Huawei ICT Academy | Completed September 2024
- **Microsoft Data Engineer**
  Completed October 2024
- **AI Career Essentials: Professional Development Skills in the Digital Age**
  ALX Group | Completed July 2024
- **Virtual Assistance Skills in the Digital Age**
  ALX Group | Completed November 2024
- **Intro to Deep Learning**
  Kaggle | Completed September 2024

Language:

- Arabic: Native.
- English: Fluent.