Amjad Dife Friend

Teaching Assistant, AI Engineer, Data Scientist

Egypt, Assiut, El Ghanayem, Deir El Ganadela, 71739

✉ amgaddife@gmail.com,   Amjad@aun.edu.eg, adife035@uottawa.ca

in linkedin

○ amjad-dife

☎ 01282301268, 01026742060

Summary Of Qualifications

- **Teaching assistant has a bachelor's degree from Assiut University in Egypt, ranking first in the department**.

- **Has a master's degree in artificial intelligence from the University of Ottawa in Canada**.

- **Experience in academic research, and has one research paper**.

- **Experience in developing machine learning and deep learning models**.

- **Experience in deploying machine learning models in different deployment scenarios**.

- **Has excellent communication and interpersonal skills**.

- **Fluent in English**.

Employment History

January 29, 2023 – · · · ·   **Teaching Assistant**
Faculty of Computers and Information, Assiut University, Egypt.
Teaching experience: Image Processing, Data Mining (3 times), Neural Networks, Computer Vision

Education

2022 – 2023   **Master of Engineering Electrical and Computer Engineering**
University of Ottawa, Canada

- **Majoring in** : Artificial intelligence and Data Science

- **Total GPA** : A+

- **Master's Project**: changing people's outfits using GANs

2017 – 2021   **Bachelor's degree in computers and information**
University of Assiut, Egypt

- **Majoring in** : Information Systems

- **Total GPA** : 3.63 (very good with honor)

- **Bachelor's Project**: A web-based application to build and solve online Exams

Research Publications

Journal Articles

1 "A cost-efficient approach for creating virtual fitting room using generative adversarial networks (gans)," *International Journal of Advanced Computer Science and Applications(IJACSA)*, vol. 15, 2024.
🔗 DOI: 10.14569/IJACSA.2024.0150132.

Badges

🔖 **Credly account**

Skills

Languages 🔖 Strong reading, writing, and speaking competencies in English.

Coding 🔖 C++, Java, R, Python, SQL.

Familiar with 🔖 MySQL, SQLite, MS SQL server, Data warehousing, Distributed databases, Hadoop fundamentals, spark, Kafka, Microsoft Azure, JavaScript, Node-JS, TensorFlow lite, TFJS, MediaPipe, NumPy, Matplotlib, PyTorch.

Miscellaneous Experience

Training and Certification

2024 🔖 **Generative AI,**. Awarded by Udemy.

🔖 **Transformers for Computer Vision,**. Awarded by Udemy.

🔖 **Transformers for NLP Applications**

2023 🔖 **Deep Learning for NLP,**. Awarded by Udemy.

🔖 **Deployment of machine learning models,**. Awarded by Udemy.

2022 🔖 **HCIA AI**. Awarded by Huawei.

🔖 **Predictive Analytics Modeler**. Awarded by IBM Skills Academy 2022.

🔖 **Big Data Engineer,**. Awarded by IBM Skills Academy.

🔖 **Communication skills, Sales skills, Leadership skills, and Presentation Skills**. Awarded by Dale Carnegie.

🔖 **Four levels in English,**. Awarded by Berlitz.

🔖 **Digital Egypt Builders Initiative**.

Miscellaneous Experience (continued)

- **Android Training,**. Awarded by Information Technology Institute, Egypt.

Projects

Supervision on Graduation projects

- Storytelling System (text2speech)
- Smart Attendance System
- Medical website for management of kidney transplant operation

Machine and Deep Learning

- machine-learning classification task using the DUMD dataset
- car evaluation ML task
- fake task detection (teamwork)
- classification and clustering with dimensionality reduction experiment
- Ensample Learning task
- Anomaly detection Task
- churn prediction task using R
- intrusion detection project using deep learning
- Kaggle computation to build a binary classifier for security data
- Continuous-Evaluation-with-Kafka
- Improving-Network-Intrusion-Detection-Using-THE-KISTI-IDS2021-CDMC-Dataset-machine-learning-and deep learning

Natural Language Processing

- NLP classification task (individual work)
- NLP classification task with text augmentation (teamwork)
- text clustering (individual)
- text clustering(teamwork)
- Recommender system

Data Science

- association rule mining using R on transactions dataset
- price optimization project

Projects (continued)

Reinforcement Learning

- Reinforcement Learning Task

Computer Vision

- Transportation Vehicle Type Classification

- Chest X-Ray Medical Diagnosis with Deep Learning

Deployment of ML models

- Cat VS Dog image classifier Android APP

- Object detection Android APP

- Image classifier based on camera feed APP

- Train ML model on the browser using TFJS

- Building Flask server to serve clients' requests