Medhat Fawzy
Haram, Giza, Egypt

+201006280520
medhat-fawzy@outlook.com

linkedin.com/in/medhatfawzy
github.com/medhatfawzy

EDUCATION

University of Ottawa – Canada   Feb 2023 – Feb 2024
MEng in AI and Data Science

Culture & Science City – 6th of October   Sep 2014 – July 2019
Bachelor's in Computer Engineering

SKILLS

Python (Pandas, Scikit-Learn, Keras, PyTorch, TensorFlow, NLTK, Gensim, FastAPI, PyViz, OpenCV, BeautifulSoup, TKInter), R, AWS cloud, PostgreSQL, NoSQL, Linux, Docker, Git, Agile, C++ (prior experience), C# (prior experience), JavaScript (prior experience), Web Development, Arduino.

CERTIFICATES & COURSES

- AWS Certified Cloud Practitioner, **AWS**
- Azure AI Fundamentals, **Microsoft**
- Machine Learning Cross-Skilling ND, **Udacity**
- Supervised-Learning with SK-Learn, **DataCamp**

- AWS Certified Machine Learning, **AWS**
- AWS Academy ML for NLP, **AWS**
- Time Series Analysis in Python, **DataCamp**
- Neural Networks and Deep Learning, **Coursera**

➜ *More Certificates on Linkedin* ⬈

PROJECTS

- **AGSAI** ⬈
  Developed a software solution that incorporates Deep Learning and Image Processing technologies to automate the conventional process of grading exam papers. With this software, the exam paper is graded and the student's grade is added to the database in just 5 seconds.

- **AI in Telecom** ⬈
  Analyzed over 3 million time-series data points for the Telecom industry and gained valuable insights about the areas with high traffic and many users. Additionally, I created a dashboard consisting of four maps to analyze the distribution of users for different service providers.

- **HAR** ⬈
  Analysed a large dataset of over 560 features to recognize types of human activity, using EDA, feature engineering, and ML & DL techniques.

- **Movie Recommender Chatbot** ⬈
  Created a FastAPI application that connects with a DialogFlow chatbot to suggest movies based on the MovieLens100k dataset.

- **Image Forgery Detection** ⬈
  Used Keras and TensorFlow to build a U-Net model to detect tampered regions in images and improved its efficiency through data augmentation and an ablation study.

➜ *More Projects on GitHub* ⬈

SOFT SKILLS

Teamwork, Presentation, Time management, Problem-solving, Emotional Intelligence, Stress Management, Leadership, Flexibility, Communication, Competitiveness, Openness.

➜ *McKinsey Forward Certificate* ⬈

ADDITIONAL INFORMATION

Languages: Arabic (Mother tongue), English (Advanced), Spanish (Beginner)
Military Service: Served for 2.5 years as a reserve army officer (May 2020 - Oct 2022)