

Amr Mohamed Ashour

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SUMMARY

Enthusiastic Data Scientist eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of business intelligence tools, data modelling, data visualization, data mining algorithms to solve challenging business problems using SQL , Python , supervised and unsupervised learning . Motivated to learn, grow and excel in data science field.

EXPERIENCE

Graduation Project, Cairo University	Trying to classify Age and Gender from dorsal hand veins pattern using computer vision and machine learning.
Graduation Project, Epsilon Institute	Predicting who will be able to repay the loan in time using various statistical and machine learning methods to make these predictions. Doing so will ensure that clients capable of repayment are not rejected and that loans are given with a principal, maturity, and repayment calendar that will empower their clients to be successful.
Analytics University	Working as a freelancer by making videos about Python, Machine Learning, Deep Learning and Data Science.

EDUCATION

Sep.2013-Jul.2020	CAIRO UNIVERSITY, FACULTY OF ENGINEERING Bachelor's degree, Biomedical Engineering Grade: Very Good
Nov.2019-Mar.2020	Machine Learning Specialist (Specialized Diploma) <i>Epsilon Training Institute</i> · Working in various Machine Learning Projects

SKILLS

Technical :

Python: Libraries needed in Machine Learning (NumPy - Pandas - Sklearn - Matplotlib – Seaborn)

Database: SQL, PL/SQL, Data Modelling, Data Preprocessing, ETL, Data Pipelines, Data Warehouse, Business Intelligence Tools (SSIS), Oracle, Microsoft SQL Server, MySQL, Relational Database (RDBMS), Data Visualization, Tableau.

Machine Learning: Supervised Models: K-Nearest Neighbor (KNN) - Support Vector Machine (SVM) - Naive Bayes - Decision Tree - Random Forest

Unsupervised Models: K-Means Clustering - Hierarchical Clustering

Deep Learning: ANN, CNN, RNN, LSTM, Tensorflow, Keras, Hyperparameter Tuning

Model Selection: Precision & Recall for Classification - R2 Square & Mean Square Error for Regression

Computer Vision: Image Manipulation, Data Augmentation, Image Classification & Recognition, Face Detection.

Parameter Tuning (GridSearchCV), Feature Engineering , Exploratory Data Analysis , Data Mining , GitHub ,Microsoft office , good statistics knowledge , Management

Practical :

Quality work check , Analytical and data interpretation skills , problem solving skills , Drive projects with minimal guidance , challenge thinking and offering opinions , clear communication of results

Soft skills :

Excellent communication skills (verbal , written) , flexibility in work , Good listening skills , Work Under Pressure , fluent in English

COURSES & TRAINING

ITI:

Introduction to deep learning - Python Programming Basics

Coursera:

Mathematics for Machine Learning Specialization (3 Courses) - Introduction to Data Science in Python - Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - Neural Networks and Deep Learning - A Crash Course in Data Science – (Computer Vision - Image Basics with OpenCV and Python) – (Computer Vision - Object Detection with OpenCV and Python)

IBM Badges:

Machine Learning with Python (1 Course) - Python for Data Science (3 Courses) - Applied Data Science with Python (3 Courses)

Cognitive Class:

Data Visualization with Python - Data Analysis with Python - Machine Learning (Dimensionality Reduction) - SQL & Relational Databases

Tera courses: Communication Skills - SQL - HTML - CSS - Python (OOP)

American University in Cairo (AUC): Management Program

REFERENCE

Upon Request