

# Amr 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.

## Education

### CAIRO UNIVERSITY, FACULTY OF ENGINEERING | JUL-2018 | BACHELOR DEGREE,

- Major: Systems & Biomedical Engineering
- Grade: Very Good

### EPSILON AI INSTITUTE | MAR-2020 | PROFESSIONAL DIPLOMA

- Major: Machine Learning & AI
- Grade: Excellent

## Experience

### DATA ANALYST/DATA SCIENTIST | HYPER ONE | DEC-2020 TO NOW

- Analyzing the data of the stock, the store and the Ecommerce data for the Customers (Memberships) & Vendors. Also, evaluating the performance of the employees throughout their data.

## Projects

### WEB DESIGN FOR EVERYBODY CAPSTONE | WEBPAGE PORTFOLIO | JUN-2020

- My First Webpage Portfolio.

### HOME CREDIT DEFAULT RISK | GP, EPSILON AI INSTITUTE | MAR-2020

- 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.

### AGE-GENDER CLASSIFICATION BY DORSAL HAND VEINS PATTERN | GP, CAIRO UNIVERSITY | JUN-2018

- Trying to classify Age and Gender from dorsal hand veins pattern using computer vision and machine learning.

## Skills & Abilities

### TECHNICAL

- **Python:** (NumPy – Pandas – Sklearn – Matplotlib – Seaborn – Keras – Tensorflow – NLTK)
- **Database:** (SQL – PL/SQL – Data Modelling – Data Preprocessing – ETL Pipeline – Data Warehouse – Business Intelligence Tools (SSDT-BI Tools (SSIS)) – Microsoft SQL Server – MySQL – Relational Database (RDBMS) – Data Visualization)
- **ERP System:** (SAP BW – SAP ERP – SAP BOBJ(IDT – WEBI – BI Launchpad – Bex Query Designer))
- **Reporting Tools:** (Tableau – Magento BI – Google Analytics – SAP BOBJ(Web Intelligence Rich Client))
- **Machine Learning:**
  - **Supervised Models:** (K-Nearest Neighbor (KNN) – Support Vector Machine (SVM) – Naive Bayes – Decision Trees – Random Forest – Lightgbm – Xgboost)
  - **Unsupervised Models:** (K-Means Clustering – Hierarchical Clustering – DBSCAN)
  - **Deep Learning:** (ANN – CNN – RNN – LSTM – Tensorflow – Keras – Hyperparameter Tuning)
  - **Tuning & Selection:** (Precision & Recall for Classification – R2 Square & Mean Square Error for Regression – Parameter Tuning – GridSearchCV – RandomizedCV – Feature Engineering – Exploratory Data Analysis)
  - **Computer Vision:** (Image Manipulation – Data Augmentation – Image Classification & Recognition – Face Detection)
  - **Version Control:** (Git – GitHub – BitBucket)
  - **Web Development:** (HTML5 – CSS3 – JavaScript – Bootstrap 4 – browser-sync – NPM – lite-server – node.js – Dom – JQuery – Less – Sass – Grunt – Gulp)
  - **Others:** (Microsoft office (Excel – PowerPoint), statistics, 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.

### SALES & MARKETING

- Digital Marketing – Professional Selling Skills – Sales Forecasting – Negotiation Skills – Sales Management.

## Courses & Certificates

### CORSERA

- Advanced Styling with Responsive Design
- A Crash Course in Data Science

- Computer Vision - Image Basics with OpenCV and Python
- Computer Vision - Object Detection with OpenCV and Python
- Convolutional Neural Network
- Front-End Web UI Frameworks and Tools: Bootstrap 4
- HTML, CSS and Javascript for Web Developers
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- Interactivity with Javascript
- Introduction to CSS3
- Introduction to Data Science with Python
- Introduction to HTML5
- Mathematics for Machine Learning - Linear Algebra
- Mathematics for Machine Learning - PCA
- Neural Networks and Deep Learning
- Structuring Machine Learning Projects

### **COGNITIVE CLASS**

- Data Analysis with Python
- Data Visualization with Python
- Machine Learning - Dimensionality Reduction
- Machine Learning with Python
- Mathematics for Machine Learning - Multivariate Calculus
- Python 101 for Data Science
- SQL and Relational Databases 101

### **TERACOURSES**

- HTML
- CSS
- Essential Javascript
- Bootstrap
- Digital Marketing
- ICDL

### **MAHARAT (ITI)**

- Introduction to Deep Learning
- Python Programming Basics
- Google Analytics Academy

### **GOOGLE ANALYTICS ACADEMY**

- Advanced Google Analytics
- Google Analytics for Beginners

**EPSILON AI INSTITUTE**

- Machine Learning Specialist

**UDEMY**

- Machine Learning Nanodegree.

**AMERICAN UNIVERSITY IN CAIRO (AUC)**

- Management Program.

**References**

**UPON REQUEST.**