Rohanda Hamed

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**Kaggle** : <https://www.kaggle.com/ro101010/>

**Github** : <https://github.com/Rohanda>

**Work Experience**

**Giza Systems,** Cairo, Egypt

**Software Engineer - ML January 2022 - present**

* Using Apache Spark in ETL and building ML models.
* Applying unsupervised learning algorithms in data analysis.
* Using MLOPS tools to track and version artifacts during models training.
* Building dashboards to visualize models’ predictions.

**Mashreq Arabia,** Alexandria, Egypt

**Python software developer July 2020 – March 2021**

* Created an inventory management system “3alababak” using Django Restful
* Created an E-invoicing system in Django “BooksM8”
* Contributed in building HR management system “PeopleM8” using Django
* Used HTML ,CSS and JavaScript to create templates to fit clients’ needs

**ICT CUBE,** Maadi - Cairo, Egypt **September 2018 – May 2019**

### Junior software developer

* Worked on creating a test automation framework.
* Learned to use Docker, Django and git.
* Learned to write unit tests in python and to ensure high code coverage.
* Gained experience in dealing with SQl and no SQL database such as Elasticsearch.

# Education

### Information Technology Institute (ITI) - Ministry of Communications and Information Technology (MCIT)

#### 9-month Diploma in Artificial Intelligence Professional track (AI Pro)

**University of Science and Technology at Zewail City, Giza, Egypt**

Bachelor of Communication and Information Engineering

* Capstone Project Scope: Lane keeping for autonomous vehicles using Deep learning on ROS.
* GPA: 3.67

**April 2021 – January 2022**

**2013 - 2018**

**Professional Certificates**

* Data Scientist Track - DataCamp
* Advanced Web Development - Udacity

**2021**

**2020**

# Technical Tasks

## Analyze and predict Dry Beans dataset| Kaggle

**Applied skills:** data analysis - data visualization - machine learning algorithms

## Implement Gradient Descent from scratch | ITI

#### **Applied skills:** Python - NumPy - Linear Algebra - Sklearn - Numerical Algorithms

**Implement machine learning algorithms from scratch | ITI**

**Applied skills:** Dbscan - K-means - Gaussian Mixture Model (GMM)

## Create Rest API using Spring | ITI

**Applied skills:** Smile library - Rest API - Thymleaf library - Spring

## Implement state-of-the art deep Neural Networks | Coursera

**Applied skills:** ResNet, Mobile-Net, VGG

# Technical Skills

### Programming Languages Framework

#### Python Java

Django Spring

**Version Control and Automation build Database**

GitHub Bitbucket Docker

Postgres MongoDB SQL - No SQL

**Machine Learning Algorithms Libraries and Packages**

Linear Regression- Logistic Regression - Support Vector Machine (SVM) - Decision Tree - Random Forest- K- means Dbscan - Naive Bayes - Guassian Mixture Model - Deep learning

Scikit-Learn - SciPy - Matplotlib - Pandas - NumPy - Seaborn - Jupyter Notebook - Orange - Pyspark

Dash

**Language Skills**

* Arabic as mother tongue
* Certified B2 level in French
* Very good level in English (ILETS : 7.5)