

# Rohanda Hamed

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

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

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## Work Experience

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**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**

**Junior software developer**

**September 2018 – May 2019**

- 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.

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## Education

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

**April 2021 – January 2022**

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

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

**2013 - 2018**

Bachelor of Communication and Information Engineering

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

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## Professional Certificates

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- Data Scientist Track - DataCamp 2021
  - Advanced Web Development - Udacity 2020
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## Technical Tasks

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### 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

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## Technical Skills

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### Programming Languages

Python  
Java

### Framework

Django  
Spring

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### Version Control and Automation build

GitHub  
Bitbucket  
Docker

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### Database

Postgres  
MongoDB  
SQL - No SQL

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### Machine Learning Algorithms

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

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### Libraries and Packages

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

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## Language Skills

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