Salma Salem

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OBJECTIVE

To obtain a challenging AI Engineer position where my creativity, problem-solving skills, and experience in AI and Software can be utilized to enhance Customer Satisfaction and drive business objectives.

EDUCATION

Bachelor's Degree, Faculty of Computer and Information Sciences
Ain Shams Universe, Cairo   **2018-2022**
Excellent with Honor and Excellent in Graduation Project

EXPERIENCE

Senior Technical Trainer   **2025**
IBM / Remote USA.

SOFTWARE TECHNICAL Engineer   **2024**
IBM / Remote USA.

VISITING LECTURER   **2024**
Police Academy in Cairo

ASSISTANT LECTURER   **2023**
Faculty of Computer and Information Sciences, Ain Shams University

Assist student on hands-on lab and project on multiple courses,
- Data Science and Data Analytics Course.
- Retrieve and Clean Up Data using R, Analyze the summary of data, visualize data, Cluster the data using k-means, apply machine learning algorithms on data.
- Cloud Computing Course.
- Cloud Architecture, Cloud Services, Virtualization, Hypervisor, Linux Shell, Bash Scripting, Docker, Containerization, Kubernetes, Hands-on experience with CI/CD tools, Jenkins.
- Database Management
- SQL statement, database administration, SQL-server and Linux administration.
- High Performance Computing – HPC
- MPI Libraries, Parallel Computing, Networking, C programming.

VISITING ASSISTANT LECTURER   **2023**
Arab Academy, Science, Technology and Maritime Transport. Faculty Of Engineering

Assist students on hands-on lab and project Web Engineering courses for E-commerce web sites.

Group DATABASE ADMINISTRATOR   **2022**
El-Sewedy Electric Company
- Oracle, MySQL, Microsoft SQL Server, PostgreSQL, and MongoDB

ACHIEVEMENTS & AWARDS

- Second Place, Raya FutureTech & GIZ Competition, Jan 2024.
- 6th of my Scientific Computing Department ranking, Ain Shams University.
- Recognition from Kroger Company for solving access issues.

CERTIFICATES

- Getting Started with Google Analytics 360, **Google Analytics Academy**.
- 1Z0-1072-23: Oracle Cloud Infrastructure 2023 Architect Associate , **Oracle University.**
- Oracle Cloud Infrastructure 2023 Foundation Associate Certification 1Z0-1085-23, **Oracle University.**
- Oracle Cloud Database Migration and Integration 2022 Professional Workshop, **LinkedIn University.**
- Cloud Application Developer 2019- Mastery Award, **IBM Academy.**
- IELTS Score 6.5, **IDP**.

LANGUAGES

- English
- Arabic

- Dealing with different OS Windows, Linux, and Unix.
- Manage different cloud platforms like AWS, Azure and Oracle.
- Implementing and managing backup and recovery systems for databases.
- Supporting activities related to database security, auditing, confidentiality in coordination with concerned Information Security and relevant business staff.
- Maintaining a complete record of all activities, processes, procedures, and changes made to the database and ERP systems during regular operations, out-of-band support, and maintenance to ensure proper traceability and auditing.
- Enforcing data integrity and security.
- Preparing documentation for the systems that are being supported and maintained.
- Identifying and troubleshooting issues.

NETWORK ADMINISTRATOR-INTERNSHIP 2022
Jit Advanced Technology

FRONT-END DEVELOPER-INTERNSHIP 2021
Floortec

CLOUD ENGINEER-INTERNSHIP 2019
IBM

SOFTWARE ENGINEER-INTERNSHIP 2018
Arab International Bank

PROJECTS

Loan risk prediction
Using machine learning models and python libraries to predict if loan is risky or not depends on some features

Object recognition
Using deep learning and neural networks models to make object recognition and different architecture of CNN like VGG19 ,VGG16.

Scene understanding in low light
Using computer vision and deep learning models to analyze objects in context with respect to the structure of the scene by image classification, object detection and segmentation.

Cipher system
Using object Oriented programming and Cyber Security algorithms to do Encryption and decryption system.

3D reconstruction by using Drone
Make drone navigate Autonomouslly by using Reinforcement learning model and reconstruct 3d map by using ROS packages and Airsim engine.

Big Data Analytics
Develop Website by using ASP.Net, CSS, HTML and JavaScript.
Connect this Website to Google Tag Manager.
Connect Google Tag Manager to Google Analytics GA4.
Connect Google Tag Manager to Google Ads.Use Google Analytics GA4 to create event, analyze website data and build reports.