Nourhan Waleed
AI Engineer

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Education

Alexandria University
Bachelor in Computer and Data Science   *Alexandria, Egypt*

IBM Training in Artificial Intelligence and Machine Learning

SPRINTS TTraining in Machine learning and Computer Vision

Relevant Skills

- Transformers/LLMs
- Prompt Engineering
- Fine-Tuning
- FastAPI
- Python/JavaScript
- Odoo Development and Integration.
- RAG Systems
- LangChain/DuckDB
- AI Agents/Autonomous
- Systems
- SQL/PowerBI
- Flask/Django

Experience

Diwan For Scientific Solutions - Reap Holding   **March 2024 – Present**
AI Engineer   *Alexandria, Egypt*

- Developed and deployed multiple AI integration with Odoo ERP, enhancing business processes through intelligent automation.
- Member of the Research and Development Team focused on AI innovation and integration
- Created an intelligent appointment booking agent using FastAPI, LLM model, and XML-RPC protocols that interfaces with Odoo to enable natural language appointment scheduling through a conversational interface.
- Implemented a RAG (Retrieval-Augmented Generation) system for Arabic content using HuggingFace embeddings and Langchain Chroma vector stores, enabling context-aware responses to Arabic language queries. Utilized Gemini and local language models (Ollama) to create efficient, production-ready AI solutions.
- Engineered an advanced healthcare financial analysis agent that extracts real-time invoice data from the Odoo and leverages LLM model to generate executive-level reports on revenue distribution and payment methods and answers any administrative query about the data in a reporting summarized easy to understand format. Built robust API endpoints to facilitate seamless integration between frontend applications and AI models, ensuring smooth data flow and high performance.

Andalusia   **May-2024 – July-2024**
Data Scientist   *Alexandria, Egypt*

- I was a Data Scientist within the CEO Team at Andalusia, I Worked on CRM Dynamics and assisted in improving data quality and data enrichment.

DataDays   **June 2023 – September 2023**
Data Scientist   *Remote, India*

- First I started off as an intern and I was given more responsibilities.
- Conducted a case study on Digital Dining Restaurant to predict customer churn and stock market prediction using time series

Technocolabs   **April 2023 – August 2023**
Data Scientist Intern   *Remote, India*

- Led a team in predicting car prices based on features for a car sales project and deployed the model using Flask.

Fathallah Markets   **October 2023 - December 2023**
Data Scientist   *Alexandria, Egypt*

- Established a data science team, performed EDA, Customer Segmentation and created a dash app for visualization and deployed it on heroku.

Teletarget   **August 2021 - August 2022**
Telemarketer   *Remote, USA*

- Telemarketer in real estate promoted to lead manager in the first month, enhancing communication skills.

Certificates

Link for Certificates