

MHAMMAD IBRAHIM

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Summary

AI Expert with over a year of experience in artificial intelligence, specializing in computer vision, NLP, machine learning, deep learning, and data analysis. Also experienced in **Odoo development and backend engineering**, building custom ERP modules, APIs, and automating business workflows. Proven ability to leverage AI and backend technologies to drive business growth and enhance decision-making processes.

Experience

Junior Odoo Developer

NuGenesis (Hybrid)
December 2024 – February 2025

- Gained hands-on experience in ERP development using Odoo 16/18, focusing on module customization and business logic.
- Developed and customized Odoo modules, including models, views, menus, and access rights.
- Collaborated with senior developers to troubleshoot, debug, and enhance existing modules for better usability and performance.
- Contributed to planning and implementing new features aligned with user requirements and workflow improvements.

Data Analyst

Forward Mena (Part-Time Remote)
June 2024 – October 2024

- Conduct comprehensive data analysis using Excel, SQL, and Power BI to support business decisions.
- Develop and maintain dashboards and reports to visualize key performance indicators (KPIs) for stakeholders, enhancing data accessibility and understanding.
- Perform data cleaning and preprocessing to ensure data integrity and accuracy for analysis.

AI and Data Analysis

Eurisko (Hybrid)
July 2024 - August 2024

- Engaged in deep data analysis to meet business requirements, identifying patterns and building solutions using machine learning, deep learning, NLP, and computer vision.
- Developed and tested AI-driven models to enhance data processing efficiency
- Collaborated with cross-functional teams to identify data-driven solutions, contributing to the successful launch of a new product feature based on user feedback and data insights.
- Assisted in the documentation of processes and methodologies for future reference and training purposes.

Skills

Programming Languages

Python, R
Odoo

Data Analysis Tools

Excel
SQL
Tableau

Data Visualization

Matplotlib
Seaborn

AI & Machine Learning

OpenCV, TensorFlow, Keras, Scikit-Learn, Hugging Face

Development Tools

Git, GitHub, Docker, CI/CD

MLOps

MLflow, FastAPI

Projects

Hospital Management System – Odoo Custom Module

- Developed a custom Odoo module to manage patient records, customizing standard models and adding fields like name, birthdate, and gender to enhance functionality.
- Implemented form/list views, menu structures, access rights, and security rules using XML, Python, and CSV, ensuring modular design and controlled access.
- Integrated mail.thread for messaging (Send Message, Log Note) and webhooks for real-time interaction with external systems.
- Added workflow automation and custom business logic, including default values and conditional behaviors to optimize hospital operations.

Pothole Detection System

- Developed an AI-driven system to classify potholes into three categories: safe, medium, and risk-pothole based on severity.
- Utilized image preprocessing techniques and trained a pre-trained model (Yolov8) to enhance accuracy.
- Created a user interface using Gradio for real-time testing.

Resume Classification System

- Designed an AI-driven system to classify resumes into various job categories based on content.
- Collected and preprocessed data from multiple sources, training a pre-trained model (BertForSequenceClassification) for effective classification.
- Established a pipeline for testing with real resumes.

Education

2022 License in Computer science
Lebanese University

Certificate

- Machine Learning Engineer Certificate from Data Camp
- Machine Learning Certificate from Coursera
- Data Analysis Certificate from free Code Camp
- Machine Learning Certificate from free Code Camp

Languages

English (Good)

Arabic (Fluent)

French (Good)