

Nour shosharesh

Artificial intelligence Engineer

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Professional Experience

Artificial intelligence specialist R&D, Syriatel Telecom Company

07/2023 – Present

Damascus, Syria

- **Intelligent Employee Policy Assistant (MSc Project-in progress)** Designed and implemented an AI-based RAG chatbot enabling employees to instantly retrieve accurate answers from internal policy documents, **reducing time spent searching for information and improving productivity**. Built with Django, vector databases, large language models and Langchain , featuring role-based access, an admin dashboard, and performance monitoring
- Designed and deployed NLP pipelines for text summarization and email information extraction, **reducing manual processing efforts by 88%**.
- Developed a Smart Traffic Analysis System that begins with data collection via web scraping, followed by tracking vehicle movements and detecting area visits using GPS data and spatial algorithms resulting in **reduced fuel consumption**
- AI-Powered Candidate Recommendation System for HR Using LLMs and CV parsing Analysis
- Automated Linkedin Scraper for Identifying Job-Fit Candidates Based on Role-Specific Criteria
- Developed data analysis dashboards across multiple domains including HR, fuel management, fleet operations, recruitment, and Outlook data, **enabling real-time insights and informed decision-making.**

Researcher and Content Writer, Al in Arabic, freelance

01/2023 – Present

Remotely

- Bridge the gap between scientific research and researchers.
- My role involves conducting in-depth research to understand the latest developments and innovations in AI, translating this knowledge into engaging, high-quality content.

Natural language processing Trainer, Share Al (Shai Company), freelance

01/2022 – 03/2023

Jordan (Remotely)

- Conducted training sessions and courses focusing on foundational and advanced aspects of Natural Language Processing (NLP).
- Topics included introductory NLP concepts, covering Tokenization, Stemming, Lemmatizing, POS Tagging, Matchers, Named Entity Recognition (NER), as well as advanced techniques like Word2Vec, TF-IDF, BOW, and practical case studies. in NLP.

- Artificial Intelligence Engineer, Omniya Comany, full time** 07/2020 – 08/2021
• Designing and developing of Machine Learning Solutions tailored for real-time processing environments.
• Creating a diverse range of ML models encompassing Sentiment Analysis, Text Category Detection, Terrorist Detection, Emotion Detection, and Names Gender Detection models. Utilizing predominantly FastText, CRF, and SVM techniques within Python.
• Crafting and upholding backend services utilizing Django, ensuring the seamless functioning of systems and applications.
- Damascus, Syria

Education

Master's Degree in Computer Science, Syrian Private University	01/2024 – Present
	Damascus, Syria
Bachelor's Degree in Computer Engineering, Damascus University	2014 – 09/2019
	Damascus, Syria

Skills

Python Programming Language	Machine Learning
	Supervised, Unsupervised, model evaluation, transfer learning scikit-learn
Data visualization seaborn, matplotlib, Power Bi	Natural Language Processing LLMs, Hugging face , Langchain , Transformer , Sentiment Analysis, Text classification, named entity recognition, summarization ,NLTK, Regex, Fasttext,
Mathematics skills Statistics, Linear Algebra, Calculus	Deep Learning ANN, CNN, RNN, LSTM Transfer learning Keras. Tensorflow
Data analysis Data preprocessing Pandas, numpy, sql, Power Bi, Excel	APIS Django, Flask, streamlit
Scraping Selenium, BeautifulSoup	

Languages

Arabic	English
Native	Conversational

Awards

- Second place in DataScience Challenge (Reveal data secrets)**
During my experience in the DataScience Challenge (Reveal data secrets), I had the responsibilities of analyzing and understanding data (EDA), (Business Question and solutions) Feature Engineering, Model Building with machine learning and evaluation, and Develop web app of Recommendation system and I have won 2nd place in this challenge

Freelancing Projects

Face Recognition with Tkinter interface, *open cv-sql-tkinter*

Detecting COVIED-19 with chest X-Ray, *CNN, Transfer Learning, VGG-16*

515k-hotel-reviews-data-in-europe,

data analysis data visualization- Nitk-Recommender systems-streamlit- Modeling, Sentiment Analysis ↗

This is under challenge Ravel data science

Recipe Recommendation system web APP, *web scraping -Nitk-sklearn-flask -streamlit* ↗

This under data science diploma graduation project

Airline passengers satisfaction, *data analysis data visualization -Modeling, streamlit webapp*

Build new social mall based Clustering model, *sklearn-python-kmeans* ↗

Application for Deaf using Deep learning techniques, *Lstm-open-cv* ↗

This is graduation project from Damascus university

Human Computer Interaction using Hand Gestures, *python open cv*

Certificates

Data science Diploma

Machinfy Academy

Machine Learning &

Stanford University | Coursera

IBM Data Science Specialization

IBM Coursera

Artificial intelligence Diploma

Machinfy Academy

Fundamentals of AI Agents Using RAG and LangChain

IBM-Coursera

Retrieval-Augmented Generation (RAG)

DeepLearning.Ai ↗ | Couesera | In Progress

AI In Arabic Blogs

Introduction to Prompt Engineering ↗

Introduction to Hugging Face and Transformers library ↗

Types of Transformers ↗

Introduction to Large Language Models LLMs ↗

Introduction to Pyspark ↗

Effective Strategies for Handling Missing Values in Data Analysis ↗

Using deep learning to predict future bitcoin prices ↗

machine learning models deployment with streamlit & ↗