

# Nour shosharesh

## Artificial intelligence Engineer

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 [github.com/Nourshosharesh](https://github.com/Nourshosharesh)

### Professional Experience

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#### 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

Damascus, Syria

- 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.

## **Education**

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### **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**

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### **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 ,NLP, 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**

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### **Arabic**

Native

### **English**

Conversational

## **Awards**

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### **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

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**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

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### 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

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**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 &** ↗