

# Nour shosharah

## Artificial intelligence Engineer

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🐙 github.com/Nourshosharah

### 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 AI (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**

**Data visualization**

seaborn, matplotlib, Power Bi

**Mathematics skills**

Statistics, Linear Algebra, Calculus

**Data analysis | Data preprocessing**

Pandas, numpy, sql, Power Bi, Excel

**Scraping**

Selenium, BeautifulSoup

**Machine Learning**

Supervised, Unsupervised, model evaluation, transfer learning | scikit-learn

**Natural Language Processing**

LLMs, Hugging face , Langchain , Transformer , Sentiment Analysis, Text classification, named entity recognition, summarization, ,NLTK, Regex, Fasttext,

**Deep Learning**

ANN, CNN, RNN, LSTM Transfer learning Keras. Tensorflow

**APIS**

Django, Flask, streamlit

**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- Nltk-Recommender systems-streamlit- Modeling, Sentiment Analysis](#) [↗](#)  
This is under challenge Ravel data science

Recipe Recommendation system web APP, [web scraping -Nltk-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 Gestuers, [python open cv](#)

Certificates

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<b>Data science Diploma</b> Machinfy Academy	<b>Machine Learning &amp;</b> Stanford University   Coursera	<b>IBM Data Science Specialization</b> IBM Coursera
<b>Artificial intelligence Diploma</b> Machinfy Academy	<b>Fundamentals of AI Agents Using RAG and LangChain</b> IBM-Coursera	<b>Retrieval-Augmented Generation (RAG)</b> <a href="#">DeepLearning.Ai</a> <a href="#">↗</a>   <a href="#">Couesera</a>   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 & [↗](#)