

# LEEN ALNAJJAR | MACHINE LEARNING ENGINEER

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## SUMMARY

Highly skilled and experienced data scientist with a strong background in statistical analysis, mathematics, machine learning, and data visualization. Proficient in programming languages such as Python. Proven ability to extract valuable insights from complex data sets and communicate findings to both technical and non-technical audiences. Strong team player with excellent problem-solving and analytical skills. Highly adaptable and able to work well in a team, with excellent communication and presentation skills. Proven ability to learn quickly and am eager to continue developing my skills in the field of data science.

## EDUCATION

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Bachelor's degree in Mechatronics Engineering  
Hashemite University (2016-2021)

## PROFESSIONAL TRAINING

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1. Data Science training from Orange Data Science Academy (2023)
2. Python and Artificial Intelligence with Al Hussein Technical University (2023)
3. Cloud practitioner AWS Orange coding academy (2022)
4. FastTrac | KAUFFMAN Program (2020)

## PROJECTS

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### 1. Capstone Project-Al Hussein Technical University

As a part of the up-skilling program with HTU, I worked on my graduation project which is Arabic Image captioning:

- Generate accurate descriptions to capture the details of images with the help of advanced AI technology.
- Leverage the power of CNN, NLP and RNN to automatically generate comprehensive image descriptions with amazing accuracy.
- Quickly and easily identify objects, landmarks, faces, and more from photos in a matter of seconds to provide a high-quality description of these images.

### 2. Final project-Orange Data Science Academy

As a part of the training program with Orange Data Science Academy, I worked with colleagues on the final assignment, which was CO2 emission prediction model in Jordan using the following tools:

- Hypothesis generation, feature extraction and feature selection.
- Data visualization using matplotlib plotting library.
- Machine learning and deep learning algorithms (SVM, Linear regression, ANN, etc.).

## **EXPERIENCE**

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### **Content researcher at Mawdoo3 Company (Jan 2022 – June 2022)**

- Arabic content researcher and prepare a creative and innovative content.
- Prepare the structure of the articles and there suitable references.
- Using the keyword planner and other tools to select the titles of the articles based on users demands and the highest searching tracks.

### **Trainer at ECC Company (Jan 2021 – Jan 2022)**

- Prepare lesson plans and material, monitor students, assist students with study skills and special assignments, and follow up with them.
- Audit and check the technical reports of the students to ensure that they follow the style of technical reports standards.

### **Volunteer Trainer and supervisor at IEP youth ( Nov 2020- June 2021)**

- Preparing tutoring classes for students in the school includes technical sessions such as programming, designing, and research principles.
- Idea pitching and formulation to participate in international LUMA StarT Award-Finland.

## **LANGUAGES**

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Bilingual: Arabic & English

## **SKILLS**

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1. Programming language: Python, MatLab, Arduino, and related libraries (e.g. NumPy, Pandas).
2. Technical skills: Statistics, analysis, and data visualization using effective visualization tools in python.
3. Collecting, organizing and analyzing large datasets from multiple sources.
4. Developing tools to monitor performance and accuracy of models.
5. Developing predictive models to extract meaningful insights from data , using machine learning algorithms (supervised and unsupervised), deep learning algorithms (RNN,CNN and ANN), and Natural language processing.
6. Strong oral and written communication skills.
7. Reporting and documenting skills.
8. Soft skills: Ability to work independently or as part of a team, and leadership skills.