



Dana Abu Nofal

Chemical engineer interested in data science and applying it into various fields. Recently started exploring data science and eager to apply skills to improve safety outcomes. Continuously learning and growing in the field.

Personal details

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Technical Skills

- Microsoft Office
- Python
- NumPy
- Pandas
- scikit-learn
- Matlab and simulink
- ChemCad
- Control Station
- PVsyst
- SketchUp

Skills

| | |
|-----------------------------|-----------|
| Scientific Research Methods | ● ● ● ● ● |
| Communication | ● ● ● ● ● |
| Teamwork | ● ● ● ● ● |
| Problem-solving: | ● ● ● ● ● |

Languages

| | |
|----------|-----------|
| Arabic | ● ● ● ● ● |
| English | ● ● ● ● ● |
| Japanese | ● ● ● ● ● |

Education

Bachelor of Science in Chemical Engineering Jun 2019
University of Jordan, Amman

Data Science Training Bootcamps Jan 2023
Orange Coding Academy.

Full training program exploring data science, using various data manipulation and analysis tools and visualization, algorithm

- Proficient in using Python libraries such as Pandas, Numpy, and Scikit-learn for data manipulation and analysis
- Experience with data visualization using Matplotlib and Seaborn
- Familiarity with both supervised and unsupervised machine learning techniques
- Hands-on experience with various algorithms.

Experience

Free Lancing Chemical Engineering Instructor Oct 2020 – Present
T.A Institute, Kuwait, Remote

- Designing and delivering course content for a variety of chemical engineering topics.
- Specific course topics covered include: (Thermodynamics, Transport Phenomena, Process Design, Chemical Reaction Engineering)
- Grading assignments and exams, and providing feedback to students.

Lab Analyst and Production Engineer May 2018 – Aug 2018
Trainee

Hikma Pharmaceuticals Co, Amman

- Lab Analyst – QC laboratories (Raw Materials Labs, Production Labs, PCN Labs)
- Production Engineer – Main plant (Powder, Capsule, and Tablets Production Lines)

Technical and Literal Translator Oct 2023 – Dec 2023
Salalem, Amman

Translation of technical documents from English to Arabic.

Certificates

Occupational Safety and Health Administrator Jul 2020
Jordanian Ministry of Labor

- Certification number: 2636/2020/3/AP/81

NEBOSH Award in Health and Safety and Work Oct 2020

- HSW1 – Workplace Safety foundations
- HSW2 – Risk Assessment Activity

Khidmet Wattan Educational Training in Renewable Energy. Sep 2020
Al Hussein Technical University

- Design and installation of solar photovoltaic systems
- Green buildings

Volunteer work

Translation of scientific articles

Sep 2015 - May 2016

Translating technical scientific and engineering articles to enrich the Arabic scientific content online as a part of BL-Arabi family.

- Health and Safety
- Sales Skills

Attendance of MATLAB and SIMULINK Software

Jan 2018

QACA

learning the basics of the software, including how to use the interface, perform mathematical operations, create scripts and functions, and simulate dynamic systems using the SIMULINK toolbox.

References

Linda Al-Hmoud

University of Jordan, Amman

Attendance of Risk Management

Nov 2019

Engineers Training Centre

- Case studies or real-life examples of risk management in different fields and industries
- Techniques and tools for risk assessment and management, such as hazard identification and risk analysis

Projects

Data Science Project "Forecasting Carbon Dioxide Emissions Levels in Jordan"

Jan 2023

The project aims to predict CO2 emission using dataset of CO2 emissions and other relevant data for Jordan.

This project was a part of a team as a part of the orange coding academy. Using machine learning (supervised learning) to study CO2 emission in Jordan by analyzing and visualizing these data and generating hypotheses then finally building different models such as Linear Regression, Decision TreeRegressor, and SVM.

"Production of Nano-silica Particles as a Car Paint Additive"

Jan 2018 - Dec 2018

The project aimed to improve the characteristics of vehicles' paint with nano technology.

- The graduation project is the result of an undergraduate chemical engineering team of students.
- Won second place for the best scientific applied project for undergraduate bachelor degree students in April 2019, by Hamdi Mango Centre for Scientific Research.