

# Sarah Ibrahim Fraihat

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## SUMMARY

AI undergrad and an aspiring Data Scientist with proficient skill in building ML models and EDA. Actively seeking opportunities to enhance and apply my skills and expertise in the field of Data Science.

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## EDUCATION

### Bachelor's in Artificial Intelligence and Robotics

Al-Balqa Applied University • 2023

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## EXPERIENCE

### Machine Learning Intern

Prodigy InfoTech

October 2023 - Present

- Engaged in diverse ML projects, employing a range of supervised and unsupervised ML algorithms to tackle regression and classification tasks.

### Data Science Trainee

Orange Jordan

August 2023 - October 2023, Amman

- Demonstrated expertise in performing comprehensive exploratory data analysis, including data cleaning, visualization, and statistical analysis to uncover insights and patterns in complex datasets.
- Proficient in utilizing a wide range of Python libraries such as NumPy, pandas, Matplotlib, and Seaborn for data manipulation, analysis, and visualization, enhancing data-driven decision-making capabilities.
- Acquired a strong foundation in statistical principles and methods, enabling the application of statistical techniques to extract valuable information and make informed data-driven recommendations.

### Python and Machine Learning Trainee

The Hope International

May 2023 - September 2023, Amman

- Python Proficiency: Accomplished efficient text data manipulation, modular code development, and data structure mastery in Python, while achieving automation and text file handling for streamlined data processing.
- Data Science Mastery: Mastered NumPy for precise numerical operations, used Pandas for data manipulation, and created impactful data visualizations with Matplotlib to enhance communication.
- Additional Proficiencies: Demonstrated excellence in Scikit-Learn for machine learning, Python data structures, and overall Python proficiency.

### Machine Learning Researcher

Online Freelancing

May 2022 - February 2023

- Researched and analyzed emerging topics such as Deepfakes, Machine Learning regression, Federated Learning, Differential Privacy, and User Authentication to stay informed about the latest advancements.
- Developed research-based theses, showcasing strong analytical skills, critical evaluation, and synthesis of information, and demonstrated expertise in literature reviews, data gathering, analysis, and generating insightful conclusions and recommendations.

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## PROJECTS

### Python Projects

<https://github.com/Sapphire9-7> • January 2023 - Present

- Created "processing-python-web-scraped-data": Implemented a Python web-scraper to collect information from Machine Learning-related websites. Processed the obtained data and performed tokenization to prepare it for Machine Learning model training and analysis.
- Designed "Extracting-emails-using-Python-SQL": Developed a Python model utilizing SQLite3 to process text files and identify emails within, extracting domain names and counting the occurrences of emails from each domain for insightful analysis.

### Machine Learning Projects

<https://github.com/Sapphire9-7> • January 2023 - Present

- Developed "Anime Classifier": a robust random forest classifier using Python to determine anime quality based on 6 key features, achieving an impressive accuracy of 95%. Deployed the model through Flask and integrated it into a web page using HTML for accessible online usage.
- Developed and maintained an open-source repository dedicated to various prebuilt machine learning classification models equipped with hyperparameter tuning methods, alongside a suite of pre-built utility classes, streamlining the machine learning process with organized and efficient models, hyperparameter optimization, feature selection, tree-specific operations, and additional utility classes, resulting in improved code readability and usability for users of all skill levels.

### EDA projects

<https://github.com/Sapphire9-7> • January 2023 - Present

- Conducted EDA initiatives for various datasets, such as "Credit Score," "Diabetes," and "Fast Food," successfully executing data cleaning, feature engineering, and data visualization tasks with Matplotlib and Seaborn. The results of these projects provided critical insights and actionable information to drive data-informed decision-making.

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## CERTIFICATIONS

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### Python for Everybody Specialization

Coursera • 2023

Completed 5-course program mastering building Python programs to access JSON/ XML files and using SQL with Python. In addition to developing strong programming skills for efficient data manipulation, analysis, and visualization.

### Advance Your Skills as a Machine Learning Specialist Learning Path

LinkedIn Learning • 2023

Completed 9-course program mastering different ML algorithms including decision trees in Python and KNIME, logistic regression, k-means clustering and other algorithms. In addition to causal inference, explainable AI, ML association rules, and optimizing deep learning models.

### IELTS

British Council • 2023

Attained English proficiency with a notable overall score of 8 on the IELTS exam.

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## SKILLS

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Python(+OOP), Exploratory Data Analysis, Machine Learning, Data Structures & Algorithms, SQL, SQLite, Tableau, XML, JSON, KNIME, Git, Flask, Google Spreadsheets, LaTeX, C++, HTML, Jupyter Notebook, Microsoft Office, Google Colab, English Skills.

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