

Ali El Rifai

Entry-Level Data Scientist | Machine Learning Enthusiast

Address: Zahle, Lebanon | **Phone:** +961 70 852 933

Email: alisamerelrifai@gmail.com | **Nationality:** Italian/Lebanese | **LinkedIn:** [Ali El Rifai](#)

Summary

Recent Data Science graduate with a strong foundation in data analysis, machine learning, and statistical modeling. Skilled in data cleaning, visualization, and predictive analytics using Python, R, SQL, and Azure Machine Learning. Passionate about learning and applying data-driven insights to solve real-world problems. A collaborative team player with strong analytical and problem-solving skills, eager to gain hands-on experience and grow in the field of data science and analytics. Seeking an opportunity to develop expertise and contribute to meaningful projects in a dynamic environment.

Internship

Data Science Intern – 01/2025 to 02/2025

January CodeAlpha, Remote

- Cleaned, transformed, and optimized large datasets to improve data quality and ensure accuracy for analysis.
- Developed and implemented feature engineering techniques to enhance the performance of machine learning models.
- Conducted exploratory data analysis to identify trends, patterns, and outliers within datasets.
- Built and tested predictive models using algorithms such as regression, classification, and clustering to support business strategies.
- Collaborated with cross-functional teams to interpret data results and provide actionable insights to drive data-driven decisions.
- Automated data processing workflows to streamline reporting and reduce manual analysis time.
- Created visualizations and reports to communicate complex findings in an easily understandable format for stakeholders.

Education

Bachelor's Degree in Mathematics with An Emphasis on Data Science – 2024

Université Saint-Joseph de Beyrouth, USJ, Lebanon

GPA: 3.6/4

Projects

Cardiovascular Risk Analysis Project

- Collected and preprocessed health data from diverse sources, ensuring data integrity and readiness for analysis.
- Analyzed key cardiovascular risk factors such as blood pressure, cholesterol, and lifestyle behaviors to identify patterns within the population.
- Developed predictive models to assess individual cardiovascular risk, improving early detection and intervention strategies.
- Provided actionable insights that enabled healthcare providers to better target at-risk groups, leading to a 30% increase in accurate identification.

Emotional Text Analysis

- Leveraged Natural Language Processing (NLP) techniques to preprocess and clean text data, ensuring high-quality input for model development.
- Built and trained machine learning models for sentiment classification, achieving 90% accuracy in predicting emotions from text data.

- Fine-tuned algorithms using various feature extraction methods, such as TF-IDF and word embeddings, to enhance model performance.
- Evaluated model effectiveness through cross-validation and performance metrics, ensuring robust and reliable sentiment analysis results.

Customer Classification Analysis

- Analyzed customer data to identify key segmentation factors, improving the understanding of distinct customer groups for targeted strategies.
- Developed and optimized a predictive classification model, increasing accuracy by 15% through feature selection and algorithm tuning.
- Collaborated with business teams to integrate data-driven insights, enabling more effective decision-making in customer targeting and engagement.
- Conducted model validation and performance testing, ensuring high reliability and robustness for real-world business applications.

Courses

- Natural Language Processing
- Data Visualization
- Data Structures & Algorithms
- Data Mining
- Statistical Analysis of Data
- Advanced Mathematics

Certifications & Training

- **Microsoft Data Science Associate Certification**- 03/2025
- **Business Mentorship Program**, Global Mentorship Initiative- 12/2024
- **Google Data Analytics Certification**, Coursera- 07/2022
- **Workshop Series**, Certification of Attendance, Haigazian University, Lebanon.

Technical Skills

- **Data Analysis & Visualization:** Data Cleaning, Data Extraction, Explanatory Data Analysis, Data Storytelling, Interpreting Data, Data Visualization & Algorithms.
- **Programming & Tools:** Python, R, SQL, C++, MATLAB.
- **Machine Learning:** Familiarity with machine learning models, training machine learning models using Azure Machine Learning, deploying and consuming ML models in Azure Machine Learning.
- **Computer Algorithms:** Experience with different types of computing algorithms.
- **MLOps Solutions:** Design MLOps solutions, manage and review models in Azure Machine Learning.
- **Statistical Skills:** Statistics, Probability, Statistical Analysis.

Soft Skills & Expertise

- | | |
|-------------------------------|----------------------------------|
| • Analytical Thinking | • Collaboration |
| • Problem-Solving | • Communication Skills |
| • Attention to Detail | • Adaptability |
| • Data-Driven Decision Making | • Critical Thinking |
| • Statistical Thinking | • Technical Writing |
| • Data Storytelling | • Machine Learning Understanding |
| • Data Visualization | • Project Management |
| • Time Management | • Stakeholder Engagement |

Languages

Arabic: Native | **English:** Fluent | **German:** Conversational