Rida Al Hajj Ali

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Experience:

Siren Analytics – AI / Data Science Internship (On-site)
January 2025 – Present

- Working on a project about quarries in Lebanon to use satellite data to detect them all over Lebanon
- Developing and training a model using Yolov9 to detect any new quarry
- Conducting depth estimation analysis using ResNet50 to monitor changes in quarries' depth
- Developing Online Real-time and Chat-based Voice AI assistants on Gradio and Telegram, it supports: English, French, Spanish, and Lebanese Arabic.

Summary:

Third year Data science student at University of Saint Joseph (USJ) with skills in Python, SQL, ML, AI and data visualization that developed through the academic years and the experience. Ready to use my skills to solve real-world problems.

Education:

• University of Saint Joseph (USJ): 2022 – Present
Bachelor's Degree in Data Science
GPA 3.4/4

Projects:

- Data Analysis Projects:

  Medical data: Cleaned, filtered and analyzed sales data using Pandas, and visualized the factors that affect the cardio disease and correlation between them.

  Demographic data:
  Using pandas, information was gained from a large data set like knowing percentage of bachelor's degree holders, weekly hours, richest country and so more.

  Cars Analysis Dashboard:
  Developed an interactive Power BI dashboard analyzing car sales data across the USA. The report includes visualizations of sales trends by month, region, and price range, along with demographic insights and correlations between income and pricing

- In Memory RAG:

  Implementing in - memory RAG application that combines document retrieval and generative AI to answer queries about Lebanese hospitals and the medical situation. Using Gemeni API key, and two answers are shown for every question (with and without RAG) to show the difference.

- ML Projects:

  Book recommendation algorithm using KNN, using data sets about books and ratings of them, the algorithm will predict a list of five books that have the highest probabilities to buy after buying a specific book. It displays the titles of the books and the probability to buy each one of them.

- CV Grader:

  Grading the applicants' CVs over 10 based on the semantic similarity between the CV and the job description, then ranking them to see which CVs get the highest grades. OCR, NLP techniques used.

Skills:

1) Technical Skills:

- Relational Database
- Data Analysis
- Machine Learning
- Computer Vision
- NLP
- Data Visualization
- Statistics and Probabilities
- Data Mining

2) Tools and Software:

- Python (Pandas, Matplotlib, Numpy, Seaborn, TensorFlow, Pytorch..)
- SQL
- PowerBI
- Git
- R
- C++
- Microsoft Office

Certificates:

- Data Analysis with Python
  March 2024
- Data Cleaning
  April 2024
- Data Visualization
  April 2024
- Machine Learning in Python (TensorFlow)
  December 2024
- Computer Vision
  December 2024

Languages:

Arabic: Mother Tongue
English: Proficient