

Rida Al Hajj Ali

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Summary:

Recent Data Science graduate from the University of Saint Joseph (USJ), holding a Bachelor's degree in Data Science. Proficient in Python, SQL, machine learning, artificial intelligence, and data visualization—skills developed through both academic projects and hands-on experience. Ready to use my skills to solve real-world problems.

Experience:

IBKS – AI and Data Analytics Internship (On-site)

June 2025 – Present

- Developed an AI-powered RAG chatbot capable of retrieving and synthesizing answers from documents (PDF, CSV, DOCX, PPTX, etc..), databases (MS SQL Server), and images using OCR (Tesseract).
- Implemented FastAPI for the Chabot's backend services, ChromaDB for vector similarity search, Redis for low-latency response caching, Gemini as the LLM, and Mixbread-AI for embedding.

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

January 2025 – May 2025

- Contributed to a national project mapping quarries across Lebanon using satellite imagery.
- Developed and trained a YOLov9 model to detect new quarry formations achieving high accuracy with 85% on segmentation and 80% for detection.
- Implemented a full training pipeline using ResNet50 to monitor quarry depth changes.
- Built real-time, chat-based voice AI assistants on Gradio and Telegram, supporting English, French, Spanish, and Lebanese Arabic.

Education:

University of Saint Joseph (USJ) – Metn, Lebanon

Bachelor's Degree in Data Science | GPA 3.5/4

September 2022 – May 2025

Skills:

Technical Skills: Machine Learning, Artificial Intelligence, Data Analysis, Computer Vision, Natural Language Processing, Prompt Engineering, Statistics

Programming Languages: Python, SQL, R, C++

Tools & Libraries: Pandas, TensorFlow, PyTorch, Numpy, Seaborn, TensorFlow, PyTorch, Power BI, Git, Microsoft Office

Soft Skills: Teamwork, Critical Thinking, Ownership of Projects, Time Management

Certificates:

- Machine Learning with TensorFlow – Dec 2024
- Computer Vision Specialization – Dec 2024
- Data Analysis with Python – Mar 2024
- Data Cleaning & Data Visualization – Apr 2024

Languages:

Arabic: Mother Tongue

English: Proficient