

Hiba Wehbe

Data Scientist

Minieh, Lebanon | hwehbe191@gmail.com | +961 81244137 | [Linkedin](#)

Professional Summary

Detail oriented Data Science graduate with experience in analysis, visualization, and predictive modeling. Skilled in Python, Power BI and SQL. Seeking to apply expertise in AI and machine learning to build scalable, real world data solutions

Education

Bachelors in mathematics option: **Data Science (BS)** (Sept 2022-May 2025)
Saint Joseph University of Beirut (USJ), CLN, North Lebanon
Dean's honor list: Fall 22-23, Spring 24-25.

Lebanese Baccalaureate, **General Sciences** (Sept-May 2022)
Minieh high school, Minieh, Lebanon
Graduated with distinction (17/20).

Academic Projects

HR Analytics Dashboard (Power BI)

- Designed a full HR analytics dashboard that improved visibility into attrition hotspots, overtime exposure, and hiring pipeline efficiency.
- Enabled HR managers to track YoY trends, tenure patterns, and workforce risks using interactive visuals and AI driven insights.

Geospatial Access to Healthcare During Displacement (Power BI)

- Developed an interactive dashboard mapping 120+ hospitals and 150,000+ displaced individuals to assess healthcare accessibility.
- Calculated distances between displacement locations and hospitals, identifying underserved areas and guiding data driven resource planning.
- Designed summary tables and visualizations with dynamic filtering and real time updates, improving stakeholder decision making efficiency.

Audio Intelligence Web Platform (Senior Project)

Technologies: Flask, Python, HTML/CSS, JavaScript, 1D CNN, VGG, Librosa, Deep Learning

- Developed a web application for processing and analyzing audio files, integrating multiple deep learning pipelines.
- Implemented Deepfake Audio Detection with a trimmed VGG model (98.7% accuracy) and Audio Emotion Recognition using a custom 1D CNN (61.2% accuracy across 8 emotions).
- Integrated advanced features such as Text-to-Speech (TTS) and Speech-to-Text (STT) conversion in a user friendly interface.

Certifications

Lloyds Banking Group – Data Science Job Simulation on Forage - Aug 2025

- Built a customer churn prediction model (Random Forest) achieving ROC-AUC 0.82.
- Optimized accuracy with GridSearchCV and feature importance analysis.

Deloitte Australia – Data Analytics Job Simulation on Forage - Aug 2025

- Conducted data analysis and classification in Excel.

- Built a Tableau dashboard for KPI monitoring and anomaly detection.

Quantium Data Analytics Job Simulation on Forage - September 2025

- Conducted customer analytics using transaction datasets to provide commercial insights.
- Identified benchmark stores for uplift testing and evidence based decision making.
- Delivered reports and recommendations to support strategic planning.

Data Analysis Bootcamp with Khwarizme - Jan 2025

- Performed data cleaning, EDA, and hypothesis testing on real datasets.

Skills

Data Visualization: Tableau, Power BI, Excel

Programming & Tools: Python, R, SQL, MATLAB, C++, Flask, HTML/CSS/JavaScript

Languages: Arabic (Native), English (Fluent), French (Fluent)