

# Nesreen Ramadan

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## CAREER OBJECTIVE

As an earnest data scientist I'm excited about the opportunity to contribute to your team and make a significant impact on your organization. My passion for leveraging data to drive decision-making, coupled with my technical skills make me an ideal candidate for the position. As an enthusiastic learner, I regularly engage in self-directed study and collaborative projects to stay at the forefront of data science advancements. I am confident in my ability to effectively communicate complex findings and uncover valuable insights from data, and I am eager to join a team where I can continue to grow and make meaningful contributions.

## EDUCATION

**Lebanese University(LU)**, Hadath, Lebanon  
**BS, Data Science**

October 2023 – July 2025

## PROJECTS

### Superstore Sales Analysis using Power BI

*Data Visualization Project – Academic Year 2024–2025*

- Led the end-to-end development of a business-focused dashboard using **Power BI Desktop** to visualize and analyze over **5,900 records** of Superstore sales data, supporting data-driven decision-making.
- Employed **Power Query** to perform extensive data preparation, including cleaning, merging, transforming, and reshaping datasets to ensure accuracy and analytical readiness.
- Designed a suite of interactive visualizations tailored for business insight, including:
  - KPI Cards** for key metrics such as Sales, Quantity, Profit, Average Delivery Days, Returns, and City Coverage.
  - Donut Charts** for Sales distribution by Product Category, Customer Segment, and Payment Mode.
  - Geographic Maps** to display Sales and Profit performance by State.
  - Clustered Bar and Column Charts** for comparative analysis of State performance, Sub-Category Sales, and Shipping Modes.
  - Area Charts** highlighting year-over-year trends in Sales and Profit.
- Applied advanced features and functions from **Power BI, Power Query, DAX, and Microsoft Excel** to support data-driven storytelling and enhance business intelligence capabilities.

### Google Scholar Research Network Analyzer

*Partial Project – Academic Research Automation 2025*

- Developed an automated data extraction pipeline using **Selenium (Python)** to scrape over **2,000 academic papers** from Politecnico di Torino faculty profiles on Google Scholar.
- Captured and organized critical publication attributes, including titles, publication years, citation counts, publishers, and co-author information, to enable comprehensive academic performance analysis.
- Cleaned and consolidated the extracted data into a structured dataset, ensuring quality and consistency for downstream analytics.
- Developed a **co-author social network analysis (SNA)** to map and evaluate academic collaboration patterns, enhancing visibility into institutional research dynamics.
- Employed **natural language processing (NLP)** techniques using **NLTK** to analyze paper titles and generate topic-based visual summaries via customized word cloud visualizations.
- Leveraged a combination of tools and technologies including Python (Selenium, Pandas, NLTK, Matplotlib), Excel, and Google Scholar to support data-driven insights and research intelligence initiatives.

## CERTIFICATE/ INTERNSHIPS

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|--|------------------------|
| • Introduction to AI and Data Annotation provided by DOT Lebanon | January 2024           |
| • Boot camp in Computer science by SE Factory                    | Feb 2025- April 2025   |
| • Armada Haircosmetics – Data Science Intern                     | April 2025 – June 2025 |

## SUMMARY SKILLS

**Languages:** Arabic, English

**Technical skills:** Programming (Python [NumPy, Pandas], Java, C++, OOP), Web Development (HTML, CSS, JavaScript, PHP, MySQL), Big Data, Machine Learning, Data Structures & Algorithms, Data Analysis, Data Scraping, Data Security, Data Mining & Warehousing, Data Visualization, Database Administration, DBMS Internals, Statistical Tools, Mathematical Foundations (Calculus, Linear Algebra, Discrete Mathematics)

**Soft skills:** Effective Communication, Leadership, Critical Thinking, Time Management, Stress Management.