





OUSSAMA EL MASRI

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OBJECTIVE

Motivated and detail-oriented Data Science graduate currently enrolled in the IDMC Master's program in Natural Language Processing (Université de Lorraine). Seeking an apprenticeship opportunity to apply and expand my skills in NLP, machine learning, and large language models, contributing to innovative AI solutions. Passionate about multilingual datasets, advanced NLP tasks, and deploying intelligent language models in real-world applications.

EDUCATION

Master's in Natural Language Processing – Université de Lorraine, Nancy, France

Sep 2025 – Present

Focused on advanced NLP, deep learning, and large language models. Coursework includes machine learning, information retrieval, semantic web, speech and text processing, and applied AI. The program emphasizes both research and industry applications of multilingual and multimodal NLP.

Bachelor's in Data Science – Lebanese University, Beirut, Lebanon

Sep 2022 – Jul 2025

Relevant Courses: Data Structures & Algorithms, Artificial Intelligence, Natural Language Processing, Data Analysis in R, Statistics I & II, Programming Languages for DS, Metadata & Knowledge Organization, Web Design. Academic Projects:

- Bankruptcy prediction using ML classifiers with PCA & SMOTE (94% accuracy).
 - Multilingual sentiment analysis (Arabic-English) using transformer-based models.
 - Real-time data visualization dashboard using Python & Plotly Dash.
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TECHNICAL SKILLS

Programming: Python, R, PHP, HTML, CSS

ML/NLP Libraries: PyTorch, Hugging Face Transformers, spaCy, Pandas, Scikit-learn, NLTK, Matplotlib, Seaborn, TensorFlow (basic), LangChain (familiar), RAG (familiar)

NLP Expertise: Named Entity Recognition (NER), Topic Modeling, Coreference Resolution, Sentiment Analysis, Multilingual Text Preprocessing

Tools & Platforms: Dataiku, Jupyter Notebook, VS Code, Tableau, Git, Excel

Languages: Arabic (native), English (fluent), French (A2 – conversational)

EXPERIENCE

Data Science Intern – Maalomatia | Oct – Dec 2024

- Designed and evaluated ML and NLP models for real-world datasets.
- Implemented multilingual preprocessing pipelines (Arabic & English) using spaCy and Hugging Face.
- Applied feature engineering, model tracking, and deployment workflows in Dataiku.
- Contributed to performance improvements by fine-tuning transformer models for classification tasks.

Supervisor – [Malik's](#), Beirut | Sep 2024 – Sep 2025

- Led store operations, inventory management, and staff coordination.
- Analyzed sales data and built performance dashboards in Excel to optimize business decisions.

Graphic Designer – Malik's, Beirut | Oct 2022 – Sep 2024

- Designed digital and print materials to support marketing campaigns.

CERTIFICATIONS

- Data Analysis with Python – IBM (Jul 2024)
- Getting Started with Python for Data Science – ZAKA (Mar 2024)
- Google Data Analytics Professional Certificate – Google (Jul 2023)

PROJECTS

- **Bankruptcy Prediction:** Achieved 94% accuracy using Random Forest, PCA, and SMOTE.
- **Multilingual Sentiment Analysis:** Developed Arabic-English complaint classifier using transformer-based models.

VOLUNTEERING Red Cross – Youth Sector | Nov 2023 – May 2024

- Delivered awareness sessions on social and humanitarian issues.
- Developed public speaking and teamwork skills in diverse environments .