

# Ahmed MELLIT

Engineering student at the School of Information Science [ESI]

Seeking an end-of-studies internship (PFE) as a Research Assistant at Oracle



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## EDUCATION

### Digital Information Engineering

The School of Information Science [ESI]

09/2021 - Present

Rabat

### Higher school preparatory classes

CPGE Ibn Ghazi

09/2019 - 06/2021

Rabat

## DATA-DRIVEN PROJECTS

### Data Visualization & Analysis

- Experience in data analysis and visualization using Python, PowerBI, and Tableau. Proficient in communicating complex data through visually appealing charts, diagrams, and dashboards.

### Natural Language Processing (NLP)

- Experienced in various Natural Language Processing (NLP) projects, including search engines, an educational Q&A platform based on the BERT model, a therapeutic chatbot, a tool for e-reputation based on sentiment analysis and Named Entity Recognition (NER), and more...

### Computer Vision (CV)

- I have contributed to two Computer Vision (CV) projects: a web application offering a sign language translator for the deaf community, which also involved NLP for transcription processing. Additionally, I worked on an autonomous driving system for cars based on road segmentation and object detection.

### Data-driven web applications

- Several of the previously mentioned projects were developed as web services, utilizing various Python frameworks such as Flask, FastAPI, and Django.

## EXPERIENCE

### Data Scientist Intern

Customs and Indirect Taxes Administration

07/2023 - 09/2023

Rabat

As a Data Scientist Intern at the Customs and Indirect Taxes Administration, I leverage Graph Neural Network (GNN) models and Natural Language Processing (NLP) for fraud detection. Using GNN models, I analyze complex interconnected data, detecting suspicious patterns in trade transactions and financial information. With NLP, I extract insights from customs declarations and shipping documents, identifying potential indicators of fraud.

#### Skills

- Google Cloud Platform • Deep Learning • Graph Neural Networks (GNN) • Natural Language Processing (NLP) • Autoencoders

## TECHNICAL SKILLS

Python

Java

Tableau

PowerBI

LangChain

PyTorch

TensorFlow

OpenCV

Django

Flask

FastAPI

Streamlit

Gradio

SQL

Oracle

MongoDB

Scrapy

Selenium

AWS

Azure

## CERTIFICATIONS

Data Science: Transformers for Natural Language Processing (04/2023)

Udemy

Machine Learning: Natural Language Processing in Python (01/2023 - 02/2023)

Udemy

Data Analytics Fundamentals (12/2022)

Amazon Web Services (AWS)

Machine Learning, Data Science and Deep Learning with Python (09/2022 - 10/2022)

Udemy

The Data Scientist's Toolbox (08/2022)

Coursera

Web Scraping with Python for Data Science (05/2022)

Udemy

## LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Professional Working Proficiency

French

Professional Working Proficiency

## SOFT SKILLS

Project Management

Problem-solving

Teamwork

Continuous Learning