IMANE EL MISSAOUI
HEALTH DATA SCIENTIST

☎ (+33)6 98 75 95 99   ✉ imaneelmissaoui23@gmail.com   in Linkedin   ○ Github   ◉ Portfolio   ⚲ Paris, France

EXPERIENCE

Sorbonne University Computer Science Laboratory   Paris, France
DATA SCIENTIST APPRENTICE   *Dec 2023 - Present*

- **Endoscopic capsule project :**
  - Developed and Studied new protocols for the collection of medical data from clinical trials for the testing and validation of capsule prototypes.
  - Designed and Structured a no-SQL database for endoscopic capsule data. And implemented a machine learning inference model for colorectal polyps classification.
- **Monitoring of the inflammatory state of ankle joints project :**
  - Created a new multi modal database for monitoring the inflammatory state of ankle joints.
  - Conducted statistical analysis and symbolic fusion of the data for the development of a diagnostic aid system for ankle ligament injuries and post-operative monitoring.

Lille Neuroscience and Cognition Center   Lille, France
DATA SCIENTIST INTERN   *Mar 2023 - Aug 2023*

- Analyzed and processed MRI data and contributed via machine learning and Topological Data Analysis to the implementation of a patient stratification model for the prognosis of Parkinson's disease.
- Integrated a longitudinal aspect into this model to set up a predictive model of disease progression, the development was done on python using dipy, pytorch and other libraries (Pandas, Scikit-learn))

Academic Projects

Masters Thesis : Built a knowledge graph using Neo4J and NLP, two different pipeline once with spacy and another using an LLM with pubmed literature that helped understand better the complex association between Maternal Inflammation during pregnancy and Autism in Offspring.

Project Manager for Research Training: Studied the reproducibility of published research studies.

Shiny Dashboard for Obstetrics Data: Created a Dashboard to monitor operations and modes of delivery of women over the years.

Dash Dashboard for Health Data science Market Analysis: Started with scrapping online job offers and then used NLP clustering techniques to classify the main technologies required for the role of a Data scientist and other trends all visualized in real time in a Dashboard.

EDUCATION

Lille Faculty of Health Management and Engineering MASTER'S DEGREE DATA SCIENCE IN HEALTH	Lille, France	2022 -2024
University of Grenoble Alpes BACHELOR'S DEGREE IN PHYSICS-CHEMISTRY	Grenoble, France	2020-2022
Benguerir High School of Excellence UNIVERSITY FOUNDATION COURSE (MATH & PHYSICS)	Benguerir, Morocco	2017-2019
Jasmin High School SCIENTIFIC BACCALAUREATE (MATH) Passed with Honors, Merit Scholarship	Sefrou, Morocco	2016-2017

SKILLS AND INTERESTS

SKILLS

Languages	Technologies	Development Frameworks	PERSONAL	LANGUAGES	INTERESTS
Python	Postgresql	Agile	Group work	English: Fluent - C2	Personal Development
R	MySQL	Scrum	Curiosity to learn	French: Bilingual	Fitness
SQL	MongoDB		Adaptability	Arabic: Native	Traveling and volunteering
MATLAB	Git		Critical thinking		Photography
Latex	PyTorch		Autonomy		Art and graphic design
	TensorFlow		Organization		
	Shiny/PowerBI				
	Neo4J				

CERTIFICATIONS

DATA SCIENTIST ASSOCIATE	R PROGRAMMING	DATA ANALYSIS WITH PYTHON
DATACAMP 2024	JOHNS HOPKINS UNIVERSITY 2022	IBM 2022