

Asma OUNAJAREN

Junior Data Scientist

Seeking a 6-Month Research Internship



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EDUCATION

Master of Big data & AI Polydisciplinary faculty

11/2023 - Present

Taroudant

Courses

- **Machine Learning:** Regression, Classification, Clustering, NLP.
- **Cloud Computing:** AWS, Azure, EC2.
- **Buisness Intelligence:** ETL, Datawarehouse, DataLake.
- **Algebra, Probability and Statistics.**
- **Big Data:** Hadoop, HDFS, MapReduce, Spark, Kafka, Flink.
- **Deep learning:** CNN, RNN.
- **Remote Sensing** using Erdas Imagine.
- **NoSQL Database:** ArangoDB, Cassandra, DynamoDB.

Bachelor of Computer engineering Polydisciplinary faculty

10/2020 - 07/2023

Taroudant

Courses

- Mobile programming using JAVA.
- **Advanced Databases:** Oracle, SQL Server, MySQL.
- Data Analysis.
- Advanced Object Oriented Programming.
- **Web development:** HTML, CSS, JavaScript.
- Networks.

WORK EXPERIENCE

Design and Deployment of a Trading Strategy Platform

Advanced Tech Lab

04/2023 - 07/2023

Agadir

Achievements/Tasks

- Designed a machine learning model for statistical arbitrage strategy, leveraging data clustering and pair trading techniques.
- Implemented a web platform that allows users to backtest strategies.
- **Features:** Python, Scikit-learn, Pandas, NumPy, yfinance, Flask, AWS.

E-commerce website

Storeino

02/2022 - 03/2022

Agadir

Achievements/Tasks

- Developed an e-commerce website for online purchase management using JavaScript and the MERN stack (MongoDB, ExpressJS, ReactJS, NodeJS).

SKILLS

Python: pandas, NumPy, Scikit-learn, TensorFlow, Keras

Data visualization: matplotlib, seaborn, tableau, PowerBI

PL/SQL, MySQL, Firebase, MongoDB

MCD, UML

Python, Java, C#,

Git & GitHub

ACADEMIC PROJECT

Analysis of Engagement and Emotional Reactions in Online Study Sessions using Batch Processing
(03/2024 - 06/2024)

- Designed and implemented a complete system for the ingestion, storage, and processing of images and videos related to online Studies.
- Developed an intuitive user interface for seamless exploration and visualization of processed results.
- Integrated advanced machine learning techniques to develop a model capable of detecting and classifying emotional states from images or video data using CNN Algorithm.
- **Features:** HDFS, Spark, pySpark, DeepFace, OpenCV, The Haar Cascade algorithm, Flask.

Center Management System (12/2022 - 02/2023)

- Developed a comprehensive management system for centers, consisting of two applications:
- A desktop application for center management, including CRUD operations, statistics, and archiving.
- A mobile application for reservation management.
- **Features:** Java, JavaFX, MySQL Database, HTML, CSS, JavaScript, Laravel API and Android Studio IDE.

VOLUNTEER EXPERIENCE

Algorithm Trainer in the DigiGirl's program in Tiznit, organized by the Anoual association. (04/2022)

Participant in a Hackathon organized by ScreenDy. (03/2018)

CERTIFICATES

Learning MongoDB (12/2021 - 01/2022)

SQL- The Complete Introduction to SQL programming (08/2021 - 09/2021)

LANGUAGES

Arabic

Native or Bilingual Proficiency

French

Full Professional Proficiency

English

Professional Working Proficiency