



Abida Wassim

Data Engineer

PERSONAL INFO

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- [Abida Wassim](#)
- [Github](#)
- [Portfolio](#)
- Sfax, Tunisia

SKILLS

- Azure
- Databricks
- SQL, NoSQL
- Linux Outil
- Python
- MySQL, PostgreSQL
- Apache Airflow, Kafka, Spark
- Agile/ Scrum
- Trello / slack
- Docker

CERTIFICATES

Acquis:

- IBM Data Engineering Professional Certificate
- ETL and Data Pipelines with Shell, Airflow and Kafka
- Machine Learning with Apache Spark
- Nvidia deep learning institute
 - Getting started with deep learning
- Kaggle certificate
 - Intro Deep learning, machine learning.
 - Pandas, Data Visualisation, Data Cleaning.
- TOEIC
 - Total Score: 815

In progress

- Professional Certificate in Google Cloud Data Engineer Learning Path

LANGUES

- Arabic
- English
- French

INTERESTS

- Entrepreneurship
- Handball
- Chess
- Football

PROFESSIONAL EXPERIENCE

End-of-study internship: Data Engineer within the Finance team: Paris, FR
Axa Investment Managers

April 2024 -- October 2024

- Building ingestion pipelines (Bronze and Silver) to store data from the Azure portal.
- Building distribution pipelines (Silver Reporting and Gold) for calculating financial indicators.
- Migration to Unity Catalog for distribution repositories. Collaboration with the Core team to improve pipelines.
- Configuring the Control-M scheduler to trigger ingestion when a new file is ingested and copy it to the RAW.
- Submitting data to the specified path for ingestion via the Azure portal.
- Creating reports to support business decisions. Designing financial dashboards for the Business team.
- Collaborating with the Business to identify opportunities for improving financial reporting tools and methodologies.
 - Technical Environment:** Python, PySpark, Spark, Databricks, Azure, Portal Azure, Git, Control-M, Profiler.

Internship in Energy Consumption Analysis : Tunis, TN
Sagemcom Tunisia

July 2023 -- August 2023

- Data processing, Exploratory Data Analysis (EDA), Feature engineering, Data visualization.
- Building a model to predict energy consumption and analyzing consumption trends.
 - Technical Environment:** Python, Machine learning, Deep learning, Error interpretation.

Summer internship: Sfax, TN
Sfax Digital Research Center:

July 2022 -- August 2022

- Cloud data processing, socket preparation, and data visualization using InfluxDB and Grafana.
- Implementation of artificial intelligence in the field of agriculture.
 - Technical Environment:** Python, Grafana, InfluxDb, Zookeeper, Kafka

EDUCATION

CentraleSupélec, University of Paris-Saclay Paris, FR Paris, FR

- M2 Advanced Wireless Communications Systems: Dual Degree CentraleSupélec, Sup'Com
 - Key courses: Network Architectures and Performance, AI for Networks, Game Theory.

Higher School of Communication of Tunis (Sup'Com) Tunis, TN

- Engineering program in ICT (Information and Communication Technologies)
 - Key courses: Local and IP Networks, Linux, Databases, Data Engineering, Cloud, Docker, Big Data.

Preparatory Institute for Engineering Studies of Sfax (IPEIS) Sfax, TN

- Preparatory class in Mathematics-Physics: Rank in the national exam: 136/1500

ACADEMIC PROJECTS

- Real-time analysis of customer comments**
 - Configuration and setup of real-time data transmission via TCP/IP with Apache Spark.
 - Integration of the OpenAI Language Model (LLM) for real-time sentiment analysis, enabling customer comment classification.
 - Used Kafka for efficient real-time data ingestion and distribution.
 - Utilized Elasticsearch for efficient data indexing, facilitating search capabilities.
 - Technical Environment:** Apache Spark, TCP/IP, OpenAI Language Model (LLM), Kafka, Docker et Elasticsearch.
- YouTube data processing**
 - Creation of an end-to-end data pipeline including data ingestion, storage, transformation, and querying.
 - Processed YouTube data using various AWS services.
 - Implemented ETL (Extract, Transform, Load) processes using Lambda functions for data cleaning and transformation.
 - Technical Environment:** Python, AWS (S3, Glue, EC2, Athena, QuickSight), administration IAM
- Autonomous driving with adaptive cruise control**
 - Implement a control system that automatically adjusts the vehicle's speed to maintain a safe distance from the vehicle ahead, based on data collected by the camera
 - Use Yolov5 for object detection to estimate the relative distance between vehicles.
 - Technical Environment:** Computer Vision, transfer learning, object detection (Yolo)

ASSOCIATIONS ACTIVITIES

- Foreign Affairs Officer at Sup'Com Junior Enterprise.
- Logistics Manager at Team SUP'COM.