

Mohamed AL JALANJI

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Personal site: <https://aljalanjimohamed.dev>



EDUCATION

Data ScienceTech Institute <i>Master in Data Science & Artificial Intelligence</i> – GPA : 4.0/4.0	Sep. 2023 – Sep. 2025 Paris, France
Université Sorbonne Paris Nord <i>Bachelor in Computer Science</i> – Dual Degree	Sep. 2021 – Jul. 2023 Villetaneuse, France
Seconda Università di Napoli <i>Bachelor in Statistics & Data Analytics</i> – GPA : 3.7/4.0	Sep. 2020 – Jul. 2023 Caserta, Italy
Tomsk State University <i>Bachelor in Software Engineering (1st year)</i> – GPA : 3.8/4.0	Sep. 2019 – Jul. 2020 Tomsk, Russia

WORK EXPERIENCE

Data Scientist & AI Engineer (LLMs) <i>PrediSurge</i> <ul style="list-style-type: none">Innovative AI solutions & AWS cloud pipelines automation.	Nov. 2025 – Now Saint-Etienne, France
AI Engineer - Apprenticeship <i>APTIV</i> <ul style="list-style-type: none">Transformed optimally dataflow graphs to Logical Execution Time (LET) design for automobile projects using Constraint Programming (Z3), ensuring the reduction of LET design manual labor by almost 70%.Fine-tuned the LLM model CodeT5 using Pytorch to translate text to a local automobile platform command language, and developed evaluation metrics & parsers needed. <i>Accuracy: 91%</i>.Developed Cloner tool for systematic duplication of AUTOSAR Classic elements using lxml Python library to reduce time-execution errors for a local SensorFusion project running on the target automobile platform.	Oct. 2023 – Sep. 2025 Vannes, France
ML Engineer - Internship <i>ETIS lab (CNRS UMR 8051)</i> <ul style="list-style-type: none">Obtained great clustering results of linguistic burst data as time series using the state-of-the-art MPDist (Matrix Profile Distance) to build the distance matrix. Stumpy library, PCA, UMPA & HDBSCAN algorithms were used.	May 2022 – Jul. 2022 Cergy, France
Junior Data Scientist - CDI <i>PI Marketing</i> <ul style="list-style-type: none">Deployed ML ensemble models for customer segmentation and predictive lead scoring to optimize marketing campaign performance and personalize outreach using Pandas, Scikit-learn, SQL & Tableau.	Mar. 2017 – Sep. 2019 Tangier, Morocco
Android Developer - CDD <i>Smart Source</i> <ul style="list-style-type: none">Developed an Android app enhancing operational efficiency for clients using Android Studio & RESTful API.	Feb. 2016 – Jan. 2017 Tangier, Morocco

PROJECTS

- Check out: <https://aljalanjimohamed.dev/index.html#projects>

CERTIFICATIONS

- AWS Certified Solutions Architect
- Neo4j

TECHNICAL SKILLS & INTERESTS

- Programming Languages:** Python, R, SQL, NoSQL Cypher, C/C++, Kotlin, NetLogo
- Libraries & Frameworks & MLOps:** Scikit-Learn, Pytorch, Transformers, PySpark, Pandas, NumPy, UnslothAI, SageMaker, LangChain, Docker, DVC, AWS ECS, FastAPI, Rest API, MLflow, LangChain
- Misc. Tools:** Git, GitHub CI/CD, VSCode, PostgreSQL, Plotly, Folium, Matplotlib, Tableau, Flink, Kafka
- Languages:** English (native), French (advanced), Italian (beginner), Arabic (native)
- Interests:** Bluegrass music, Kayaking, Hiking, Mountain Biking