

Mohamed AL JALANJI

aljalanjii@gmail.com | +33659937888 | Vannes, France

EDUCATION

Data ScienceTech Institute <i>Applied MSc in Data Science & Artificial Intelligence (Expected) – Current GPA: 3.8</i>	Sep., 2025 <i>Paris, France</i>
Université Sorbonne Paris Nord <i>Bachelor's in Computer Science – Double Degree</i>	Jul., 2023 <i>Villetaneuse, France</i>
Seconda Università degli Studi di Napoli <i>Bachelor's in Statistics & Data Analytics – GPA: 3.7</i>	Sep., 2023 <i>Caserta, Italy</i>

WORK EXPERIENCE

AI Engineer Apprentice <i>APTIV</i>	Sep. 2023 – Present <i>Vannes, France</i>
<ul style="list-style-type: none">Optimally transformed dataflow graphs to Logical Execution Time (LET) design for automobile projects, ensuring minimal schedule table length and maximum parallelisms over K cores.<ul style="list-style-type: none">Stack: Constraint Programming Z3; PythonFine-tuned small LLM model for natural text to code translation of a local automobile tool & developed evaluation metrics and parsers.<ul style="list-style-type: none">Stack: Python (Argparse, Pytorch, Transformers), DockerKey results: Cross-validation-based accuracy: 91%Developed Cloner tool for systematic duplication of AUTOSAR Classic elements for optimizing parameters for lower probability of preemption and time-execution errors.<ul style="list-style-type: none">Stack: Python (lxml)	
Machine Learning Research Intern <i>ETIS lab (CNRS UMR 8051)</i>	May 2022 – Jul. 2022 <i>Cergy, France</i>
<ul style="list-style-type: none">Developed a subsequence clustering approach for linguistic data & researched the most suitable validation metrics.	
Android Developer <i>Freelance</i>	May 2017 – Sep. 2019 <i>Tetouan, Morocco</i>
<ul style="list-style-type: none">Developed Android games & applications for clients using Android Studio with Java.	

PROJECTS

- Credit Card Detection:** Developed a complete pipeline for a real-time model to detect credit card fraud.
- Motif-based Clustering:** Developed a time series subsequence clustering method for sales data based on chain & common motifs, outperforming whole time series clustering on two validation metrics: DBCV & Dunn.
- Two Attachment Styles:** Reproduced a classical attachment theory study with 100% accuracy in R.

CERTIFICATIONS

- AWS Certified Solutions Architect (Expected by Sep. 2025)**
- Neo4j
- Deep Learning Specialization – DeepLearning.ai

TECHNICAL SKILLS & INTERESTS

- Programming Languages:** Python, R, SQL, Cypher, C/C++, Java
- Libraries:** Scikit-Learn, Pytorch, Keras, Tesnorflow, Plotly, Dash, PySpark, Pandas, NumPy, Matplotlib
- Misc. Tools:** Git, Tableau, Docker, GitHub CI, VS Code, SQLite
- Languages:** English (Proficient), French (Intermediate), Arabic (Native)
- Interests:** Bluegrass music, Kayaking, Hiking, Mountain Biking