

ALI MEHIZEL

CONTACT

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SKILLS

- AI & Machine Learning: PyTorch, Deep Learning, LLMs, LangChain, LangGraph, LlamaIndex, vLLM, Computer Vision, Statistical Modeling.
- Data Engineering: Airflow, PySpark, BigQuery, PostgreSQL, Data Analysis.
- Backend & DevOps: FastAPI, Docker, Kubernetes, Nginx, Git.
- Frontend & Visualization: React.js, Looker, PowerBI.
- Languages: Arabic (Native), French (Intermediate), English (Intermediate)

LANGUAGES

- Arabic: Native
- French: Intermediate
- English: Intermediate

INTERESTS

- Technology: participation in hackathons.
- Sports: regular running practice.

CERTIFICATES

- DataCamp – Python Data Science Toolbox
- DataCamp – Object-Oriented Programming in Python
- DataCamp – Efficient AI Model Training with PyTorch
- DataCamp – Fine-Tuning with LLaMA 3



PROFILE

Master's graduate in Statistics and Data Science specializing in Artificial Intelligence. Experienced AI Engineer and Data Analyst with a proven track record in deploying Large Language Models (LLMs), Computer Vision, and scalable data pipelines. Expert in bridging the gap between complex statistical modeling and production-ready AI solutions.



EXPERIENCE

AI Engineer at AI GRID NOVEMBER 2025 - NOW

- Architect and scale production-ready AI solutions, optimizing model inference and throughput using vLLM.
- Deploy and maintain cloud infrastructure, ensuring high availability and scalability for AI services.
- Collaborate with cross-functional teams to integrate LLM-based features into core product offerings

Data Analyst Internship MARCH 2025 - JUNE 2025 At Yassir

- Engineered complex queries in Google BigQuery to analyze large-scale datasets, improving data retrieval efficiency.
- Developed automated Looker dashboards that provided actionable business insights for stakeholders.
- Implemented web scraping pipelines to gather external market data, enhancing the accuracy of business intelligence reports.
- Streamlined data workflows in collaboration with the engineering team to reduce manual reporting overhead.

EDUCATION

Master's in Statistics and Data Science SEP 2022 - SEP 2025

National High School of Statistics and Applied Economics (ENSSEA), Algeria

- Focus areas: Computational Science, Data Modeling, Deep Learning, Machine Learning, Natural Language Processing, and Computer Vision.
- Gained strong skills in statistical analysis, AI methods, and large-scale data handling.

Preparatory Class in Management and Digital Economy DEC 2020 - JULY 2022

High School of Management and Digital Economy, Algeria

- Core subjects: Probability, Statistics, Numerical Analysis, Linear Algebra, and Economics.
- Built a solid foundation in quantitative methods and analytical reasoning.



PROJECT

ResKAN: Enhancing Computer Vision via Kolmogorov–Arnold Networks

- Researched and integrated Kolmogorov–Arnold Networks (KANs) into visual models to enhance image recognition.
- Developed a hybrid architecture combining KANs with ResNet to improve feature representation.
- Evaluated performance on benchmark datasets, achieving significant improvements in classification accuracy.

AI-Driven Voice Interaction Agent for Customer Support

- Developed a real-time speech-to-speech AI agent for automated customer support.
- Stack: LangChain, FastAPI, Docker, PostgreSQL, Langfuse.
- Key Achievement:** Implemented a low-latency response system allowing seamless voice interaction

Scalable Enterprise Resource Planning (ERP) Platform for Industrial Operations

- Designed a comprehensive ERP for production, inventory, and procurement management.
- Stack: Airflow, PySpark, FastAPI, React.js, PostgreSQL, Docker, Kubernetes, Nginx.
- Key Achievement:** Utilized Airflow and PySpark to orchestrate complex data pipelines and automate industrial operational workflows.