AMINE ABARGHAZ

Data Engineer & Data Scientist | AI & Business Intelligence

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in LinkedIn | ⌗ GitHub

PROFILE

5th-year Engineering student at ENSAO, specializing in Information Systems Management and Governance. Expertise in AI, Data Science, BI, and SI management (ERP/CRM). I combine a strategic vision of information systems with a passion for AI and Data Science. My goal is to deliver real added value through rigor and continuous learning. I aim to deepen these skills in an environment of excellence to tackle tomorrow's technological challenges.

PROFESSIONAL EXPERIENCE

Data Engineer & Data Scientist Intern (Final Year Project) Jul. – Sep. 2025
TE Connectivity – Development of an intelligent skills analysis system
- Implemented automated ETL pipelines for HR data collection and cleaning (Python, Pandas, Airflow)
- Designed a Data Warehouse (PostgreSQL) and developed profile recommendation algorithms (Scikit-learn)

Data Analyst & BI Intern Jul. – Aug. 2024
Northern Development Agency – Dashboard design for institutional project monitoring
- Migrated data and structured the decision-making data warehouse (Talend, Python)
- Developed KPIs and interactive reports for decision support (Power BI, DAX)
- Optimized SQL queries to improve display performance

KEY SKILLS

BI & Big Data	Power BI Talend
Data Science & AI	Python Pandas Scikit-learn TensorFlow SQL
ERP & CRM	Odoo Salesforce Deployment Module Customization
Web Development	React.js Laravel PHP JavaScript HTML CSS
Backend Development	Python C MySQL PostgreSQL
Languages	Arabic (native)	French (fluent)	English (professional)

ACADEMIC & PERSONAL PROJECTS

Sales Prediction System & Stock Optimization Deep Learning – 2025
- Designed hybrid ERP (Odoo) + AI architecture for Supply Chain automation
- Time series modeling (LSTM, Prophet) with 87% accuracy on 90-day forecasts
- Developed analytical dashboard (Plotly Dash) driven by REST API processing +50k transactions

Final Year Project – Computer Vision: Automated Damage Detection Deep Learning – 2025
- Developed CNN model for vehicle image segmentation
- Multi-class damage classification (scratches, glass breakage, deformations) via TensorFlow and OpenCV
- Optimized image processing pipeline and dataset annotation for maximum performance

Predictive System Development with MLOps Pipeline ZenML, Python – 2025
- Created complete Machine Learning pipeline for price prediction
- Data preparation and regression model training
- Workflow automation and reproducibility with ZenML
- Model deployment via API for direct use

Movie Recommendation Engine Machine Learning – 2024
- Implemented collaborative filtering algorithms (SVD) on MovieLens 1M dataset
- Comparative model evaluation and hyperparameter optimization via Surprise and Scikit-learn

PROFESSIONAL CERTIFICATIONS

Google	Advanced Data Analytics Professional Certificate	Business Intelligence Professional Certificate
Oracle	Data Science Professional	AI Vector Search Professional	Generative AI Professional	Analytics Cloud Professional	Cloud Infrastructure Certified DevOps Professional
Salesforce	Sales Operations Professional
Development	Full-Stack Web Development with Laravel & PHP

EDUCATION

Engineering Degree – Information Systems Management & Governance 2021 – 2026
National School of Applied Sciences of Oujda (ENSAO)
- Integrated preparatory cycle followed by engineering cycle in IS Management and Governance

Baccalaureate in Physical Sciences – High Honors 2021
Ali Ben Berry High School – Taza