

Delaïs Bilal

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Summary

Currently a final-year student at IMT Mines Alès, a French engineering school. I am pursuing a degree in Artificial Intelligence and Data Science. While passionate about the space industry, I am also eager to explore and learn across a wide range of fields. I am currently seeking an internship starting in winter 2026.

Experience

CTO - Startup

SpringLane

Paris, France - Hybrid
07/2025 – present

- Designed and led the development of an anti-theft system based on RFID/NFC technologies.
- Defined the product roadmap (hardware + software) and coordinated the MVP.
- Optimized the BOM by reducing the unit cost of prototypes.
- Developed the firmware and a testing application for validation.

Project Manager – Data Science

USAM Nîmes Handball

Nîmes, France
01/2025 – 06/2025

- Led an R&D project for the Nîmes women's handball team (National Division 1).
- Designed a video analysis pipeline: event detection, data structuring, and synchronization.
- Developed ML models (logistic regression, XGBoost, random forests) to predict shot impact zones (goal divided into 9 sub-areas).
- Evaluated performance using advanced metrics (F1 score, Brier score, AUC) and cross-validation protocols.

R&D Intern – Mechanical Design for Propulsion Systems

Agena Space

Talence, France
08/24 – 12/24

- Designed and modified 3D models of satellite propulsion components and systems (SolidWorks).
- Produced detailed technical drawings and assembly documentation.
- Supervised the manufacturing and assembly campaign for the test bench.

Operational Reservist

French Army

Nîmes, Garons, France
01/2023 – 01/2025

- Developed skills in discipline, rigor, and stress management.

Education

IMT Mines Alès

General Engineering Degree, Computer Science and Artificial Intelligence Department

Alès, France
2026

Courses taken:

- Supervised and Unsupervised Machine Learning
- Deep Learning
- Reinforcement Learning
- Data Collection and Visualization
- Decision Support Systems

Lycée Gustave Eiffel

Intensive training in mathematics, physics and computer science.

Bordeaux, France
2019-2022

Skills

Programmation : Python - Java -C/C++ - R

Framework: Pytorch - Scikit-learn - Pandas – Tensorflow – SQL

Simulation : SolidWorks– Matlab

Langages

French: native **English:** Advanced **Arabic:** Intermediate