ANTOINE AZAR

Montpellier, FR ● antoine.azar@epitech.eu ● +33 6 76 55 16 53 ● github.com/Az-r-ow

PROFESSIONAL EXPERIENCE

Teads – *Data Scientist Apprentice - 1 year*   Oct 2024 – Present
- Improved header bidding model (+8% R^2) with feature engineering and Bayesian tuning.
- Added device-level features to boost bidding efficiency and revenue.
- Collaborated cross-functionally with product and engineering teams to prioritize model improvements impacting revenue**.**

Booklink – *Data Science Consultant (Freelance) - 1 year*   August 2024 – Present
- Increased user interactions and positive interactions rate 20x by redesigning their recommendation engine.
- Deployed user/item encoders on AWS, leveraging cosine similarity for fast Top-N retrieval.

Kaliop – *Software Engineer - 1 year 10 months*   Jan 2023 – Oct 2024
- Built 3 AI prototypes to test client use cases, including a RAG-based LLM for France's Ministry of Tourism.
- Developed a real-time image recoloring tool for a paint retailer to enhance customer experience.

Freelance – *Data & Software Engineer - 2 years*   Oct 2020 – Oct 2022
- Delivered utility Discord bots for clients including **Partouche Casinos** with gamification features to drive engagement.
- Created an NFT rarity scoring tool adopted by 3 projects for live market insights.

EDUCATION

MS in AI and Big Data - *EPITECH, Montpellier, FR*   Sep. 2022 - July 2025
<u>GPA :</u> *4.0*
Relevant Coursework: Deep Learning, NLP, Time Series Forecasting, Image Segmentation, Statistics, Probabilities

NDO, Computer Science - *Stanford, USA*   Oct. 2024 – June 2025
<u>GPA :</u> *3.7*
Relevant Coursework: Deep Learning for Computer Vision (CS231n)

BBA Finance and Accounting - PSB, Paris, FR   Aug. 2020 – June 2022
<u>GPA :</u> *4.0*
Relevant Coursework: Database Management, Statistics, Data Analysis

COURSES

INRIA - *Machine learning with Scikit-learn,* **Harvard** - *Introduction to Artificial Intelligence with Python,* **ARM Education** - *Embedded Systems Essentials with Arm*

HONORS & AWARDS

PINKCC Hackathon - *4th Prize (out of 43) -* **3 months**   June 2025
Built a **two-stage segmentation pipeline** for ovarian cancer and presented the solution to a jury of European university researchers during a live pitch event (SIRIC Montpellier, NVIDIA & EPFL).

Water Scarcity Hackathon - *3rd Prize (out of 70+ teams) -* **3.5 months**   June 2025
Co-led a water flow forecasting project that outperformed the production baseline by 7% on temporal and 13% on spatio-temporal splits, proving strong adaptability. Applied evolutionary programming to boost performance in an international sustainability competition.

OTHER PROJECTS

PathFinder NLP – NLP *(Token Classification)*   Jan 2025 – March 2025
Extracted origin/destination from text via **HMM**, **BiLSTM**, **CamemBERT**; applied **Dijkstra/A* algorithms** for route optimization.

SKILLS

Languages: English (Native) - French (Native) - Arabic (Native)
Technical Skills: PyTorch, TensorFlow, Scikit-learn, SHAP, XGBoost, Python, SQL, Docker, Power BI, AWS (Batch, AppRunner), GCP, Pinecone, Pandas, NumPy, Spark, Matplotlib, A/B Testing, Power BI
Interests: Basketball, Reading, Robotics, Stock Trading, Maths, Watches