



Cesar Anasco

Portfolio, LinkedIn, Kaggle

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Location: Saint-Étienne, France.

Data Scientist with three years of experience as a Technical Consultant. Experienced in Image Processing, Anomaly Detection, Fine-Tuning and Retrieval Augmented Generation using Python, TensorFlow, and PyTorch. Contributed to Agile Scrum teams, expertise in DevOps, Data Migration, MLOps, Data Collection, Exploratory Data Analysis, Data Engineering, ETL/ELT Pipelines and Model Deployment.

WORK EXPERIENCE

• Herzum North America

Technical Consultant

Remote

Feb 2022 – October 2025

- Developed and maintained ELT pipelines with Python to fine-tune generative large language models using information sourced from Atlassian cloud services for agile project management, particularly Jira and Confluence. Generated the cleaning, augmentation, and prompt generation scripts for data management. The architecture accelerated internal model customization and established a path for future scalable implementations.
- Planned and constructed a time tracking app for time-sheets, reports and dashboards generation within Monday.com. Established the architecture for data residency. Developed the interfaces using React and structured the documentation and reporting generation using GraphQL.
- Code reviewing, testing, and code deployment to QA and production servers. CI/CD. The app is used worldwide with 500+ downloads in the marketplace.
- Worked as a support for data migration between data-center applications and the cloud. Reproduced, migrated, and tracked over 1,000 JQL query equivalences, automations and workflows between instances.

• Halliburton

Landmark Software and Services Intern

Ecuador

Jun 2021 – Dec 2021

- **Application Development:** Improved an application for managing stored procedures in databases to generate a consistent data structure. Performed data migration and data transformation processes. Applied regression techniques to analyze and predict oil well production trends, optimizing production data analysis for management.

• Produbanco

Information Security Intern

Ecuador

Oct 2019 – Feb 2020

- **Permits Management Manual:** Created protocols for internal and external applications utilized in the company, which was adopted across the company departments to educate employees about information security practices.
- **Fraud Detection:** Collected, organized, and analyzed application access logs to identify fraudulent entries.

PROJECTS

- **Cryo-electron Tomography Object Identification** (Competition Healthcare AI) Implemented 3D U-Net and YOLOv11 models for multi-class 3D segmentation and 2D object detection of protein from cryo-electron tomographies. Used synthetic data to fine-tune models using Tversky Loss and F-beta metric ($\beta = 4$). YOLOv11 achieved a 0.625 score.
- **Product Re-purchase Prediction** (Kaggle Competition) Designed a personalized recommendation system to predict repeat purchases using customer transaction data. Performed feature engineering on purchase patterns, and improved prediction accuracy using FNN and CASER models with negative sampling strategies. Achieved a Hit@10 score of 0.356.

EDUCATION

Master in Machine Learning and Data Mining
Engineering in IT Systems and Computer Science

Université Jean Monnet, Saint-Étienne, France, 2025
National Polytechnic School, Ecuador, 2021

SKILLS

Python, R, SQL, TypeScript, Java, C++, GraphQL, TensorFlow, Keras, PyTorch, Pandas, Numpy, Scikit-learn, Deep Learning, Computer Vision, GenAI, RAG, Fine-Tuning, Git, Atlassian, Weights & Biases, NLP, LLM, Data Lakes, AWS, Langchain, Airflow, Data Warehouses, Data Marts, Agile, Scrum, Jira, Confluence, PyTest, PySpark, CI/CD, DevOps, Automated Workflows, NoSQL, Excel, Databricks, Docker, Power BI.

Language Proficiency: English - C1, Spanish - Native, French - A2, Italian - A2.