

Marco Alejandro Ramírez Camacho

Portfolio | [GitHub](#) | Bogotá, Colombia
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Education

B.Sc. Systems Engineering and Computer Science Jan 2022 – Present
University of Los Andes — GPA: 4.5 / 5.0

Work Experience

Goal Setting & Tactics Intern — DiDi Jun 2024 – Jan 2025
– Engineered and deployed an ensemble of ML models (Random Forest, GBM, SVM) for predictive performance analytics, reducing manual evaluation latency by **90%** while maintaining over **80%** accuracy.
– Architected and implemented interactive dashboards, leveraging complex SQL queries to surface high-potential restaurants leads and increasing acquisition efficiency and retention by **30%**.
– Orchestrated the development of automated ETL pipelines using Python and SQL, seamlessly integrating with DiDi's proprietary data architecture to streamline data availability and reduce reporting cycle times by over **80%**.

Participant, UN Datathon 2024 — Amazon Sponsored Oct 2024
– Executed a geospatial analysis correlating census data with property value fluctuations to model the financial impact of gentrification.
– Derived data-driven policy recommendations from spatial regression models to mitigate housing inequality.

Startups

Alventory — Founder Apr 2024 – Present
– Engineered a SaaS ERP an intuitive AI engine as key differentiator that simplifies predictive inventory management, enabling partner companies to achieve a **50%** reduction in stockouts and create stock with natural language.
– Developed the core system architecture using Django and Astro, managing predictive analytics, automated alerts, and intelligent procurement logic for a system generating \$2K/month in revenue.

Artigo AI — Founder - www.artigo-ai.com Feb 2024 – Present
– Architected an AI-driven language acquisition platform utilizing Natural Language Processing (NLP) for dynamic content personalization from web articles, using paid or free LLMs fine tuned for better performance.
– Built a persistent data layer using PostgreSQL to track user progress and optimize Spaced Repetition (SRS) scheduling, which contributed to a **40%** user retention uplift compared to linear consumption without active recall.

Open Source Projects

Free Storage - [GitHub Repository](#) Nov 2024
– Developed a distributed file storage solution that leverages the Telegram API as a backend, creating a resilient and virtually limitless personal storage medium.

Proveo CRM - [GitHub Repository](#) May 2024
– Engineered a lightweight, full-stack CRM tailored for Colombian SMEs, featuring a React frontend and a Django backend with integrated Twilio API for automated client notifications.
– Tested across 10+ local businesses, achieving an **80%** adoption rate and a **30%** gain in productivity.

Skills

Languages & Backend Java, Spring Boot, Python, Django, Flask, FastAPI, SQL	Frontend React, Next.js, Astro, Bootstrap, Tailwind
Databases PostgreSQL, OracleSQL, MongoDB, Firebase	Cloud DevOps Google Cloud, AWS (S3, Lambda), Docker, Jenkins
ML & Data Analysis Scikit-learn, TensorFlow, Pandas, Numpy, Power BI	Tools Git, Selenium, SonarQube

Certifications

Machine Learning Specialization — Stanford University 2024
Intro to SQL — Universidad de los Andes 2023
IELTS Academic C1 — British Council 2021