

JUAN FELIPE GARCÍA GARCÍA

Data & AI Professional

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PROFESSIONAL SUMMARY

Data & AI professional with a background in Computer Science and Artificial Intelligence, focused on building end-to-end solutions across data engineering, analytics, machine learning and applied AI. Experienced working across the full data cycle — from pipelines and predictive models to cloud deployment and automation — with a consistent focus on business impact.

TECHNICAL SKILLS

Data Science & ML: Python (pandas, NumPy, scikit-learn, XGBoost) · Machine Learning · Deep Learning · NLP

Analytics & BI: SQL · Power BI · Excel

Cloud & Data Engineering: BigQuery · Cloud Run · FastAPI · REST APIs · Docker · GitHub Actions · AWS

Applied AI & GenAI: LLMs · RAG · LangChain · Pinecone · Prompt Engineering · n8n

Languages: Spanish (Native) · English (B2)

PROFESSIONAL EXPERIENCE

NOC Analyst Intern

Azteca Comunicaciones · Bogotá, Colombia

Jan 2026 – Jul 2026

- Automated an equipment inventory workflow, reducing inventory management time by approximately 35%.
- Built an application for management, monitoring and statistical analysis supporting network operations across 900+ municipalities nationwide.
- Supported daily Network Operations Center (NOC) activities, including monitoring and operational management of telecommunications infrastructure.

PROJECTS

Retention Copilot · [Data Science & ML](#)

Built a bank churn model on 10,000 customers (Kaggle) that frames the problem as a business decision: it combines churn probability with expected profit to rank who to contact, not just who might leave. XGBoost achieved ROC-AUC 0.855 and Average Precision 0.698; the optimized strategy requires 31.5% fewer contacts and yields a simulated incremental profit of US\$6,405 compared to contacting everyone.

Bank Loan Analysis · [Analytics & BI](#)

Analyzed a portfolio of 38,576 loan applications (US\$435.8M funded, 13.8% charged-off) in Power BI across three views: executive summary, portfolio analysis and loan-level detail. The dashboard surfaces key risk metrics including average interest rate, DTI and payment status distribution.

Stock ETL Pipeline · [Cloud & Data Engineering](#)

Built a pipeline that pulls market data for 15 stocks from Colombia and the U.S. via Yahoo Finance, loads it into BigQuery and serves it through a FastAPI REST endpoint deployed on Cloud Run. GitHub Actions handles orchestration, Streamlit provides the visualization layer and the pipeline includes a conversational LLM interface.

Medical Chatbot with LLMs · [Applied AI & GenAI](#)

Implemented a RAG chatbot that connects a language model to a medical knowledge base stored in Pinecone, with LangChain as the orchestration layer and Flask as the backend, deployed on AWS EC2 with Docker. Built as a portfolio project to explore retrieval-augmented generation in a deployed setting, not as a clinical decision tool.

EDUCATION

B.Sc. in Computer Science & Artificial Intelligence (in progress)

Universidad Sergio Arboleda · Bogotá, Colombia

Expected graduation: December 2026

CERTIFICATIONS & TRAINING

Oracle Cloud Infrastructure Certified AI Foundations Associate	2026
AWS Cloud Practitioner Exam Preparation	2026
Machine Learning A-Z · Udemy	2025
Complete SQL Mastery · Code with Mosh	2025