

# Jose Eliuth Torres Ortiz

DATA ANALYST & DATA ENGINEER

📍 Ciudad Victoria, Tamaulipas 📞 +52 834 275 9912 ✉️ eliuth097@gmail.com  
[linkedin.com/in/eliuth-torres](https://www.linkedin.com/in/eliuth-torres) [github.com/inter097](https://github.com/inter097) [cv.eliuth.dev](https://cv.eliuth.dev)

## PROFESSIONAL SUMMARY

---

Systems Engineer with experience in data analysis, data flow design, and process automation. Master's in Data Science & Engineering in progress (UAT). I have developed data solutions in real environments, from statistical reporting systems to ETL pipelines and ML models deployed in production. Seeking a role as Data Analyst or Data Engineer where I can generate value through data.

## EDUCATION

---

### Master's in Data Science & Engineering

Universidad Autónoma de Tamaulipas (UAT) · Sep. 2024 – Sep. 2026 · *In progress — 5th semester*

- Development and production deployment of a CDSS (Clinical Decision Support System) for early inference of neonatal epileptic syndromes, using an ontological model with Drools inference engine (Java) and a Flask backend deployed on a self-managed VPS.
- Implemented a classification model ensemble (logistic regression, decision trees, SVM, neural networks) with comparative metrics analysis, deployed as an interactive web application.

### B.S. in Computer Systems Engineering

Instituto Tecnológico de Ciudad Victoria — TEC NM · 2015 – 2020 · *Graduated*

## TECHNICAL SKILLS

---

### Languages & Analysis

Python (Pandas, NumPy, Scikit-Learn, TensorFlow), SQL (PostgreSQL, MySQL), R

### Data Engineering & Visualization

Apache Airflow, dbt, Great Expectations, MLflow, ETL Pipelines, PostgreSQL, Streamlit, Flask, REST APIs, Web Scraping, Docker, Metabase, Matplotlib, Seaborn, AppSheet, Google Sheets, Power BI, Tableau

### Tools & Version Control

Git, GitHub, Jupyter Notebook, Google Colab, Firebase, Excel (Advanced), PowerPoint, Linux

### Machine Learning & AI

Logistic Regression, Naive Bayes, KNN, Decision Trees, SVM, Neural Networks (MLP), EDA, NLP, Hugging Face, spaCy, NLTK, Genetic Algorithms

### Infrastructure & DevOps

Docker Compose, Nginx Proxy Manager, Cloudflare (DNS, Tunnel, Zero Trust), SSH, Linux Server Administration, Vercel, Git, GitHub

## PROFESSIONAL EXPERIENCE

---

### Data Analyst

Sep. 2021 – Abr. 2024

Tamaulipas Public Safety Secretariat (SSPT)

- Designed and implemented from scratch a daily operational reporting system (Google Sheets + AppSheet) that replaced manual data capture, delivering the force status of 43 municipalities.
- Designed the data flow architecture: distributed collection from 11 independent sources, central consolidation, and automated delivery on a daily cadence.
- Developed a mobile application in AppSheet with a directory of municipal coordinators, providing real-time access to contact information and personnel status.
- Proposed and led the migration of multiple operational records from manual Word/PDF reports to a centralized Excel system, automating the generation of visualizations and eliminating hours of daily manual entry.
- The system was replicated in another area of the institution, improving reporting times and eliminating manual processes, training the staff involved for correct implementation.

## FEATURED PROJECTS

---

### VPS Data Engineering Lab — End-to-End Pipeline in Production

[▶ Demo](#)

[Apache Airflow](#) · [dbt](#) · [Great Expectations](#) · [PostgreSQL](#) · [MLflow](#) · [Docker](#) · [Cloudflare](#)

- Designed and implemented an end-to-end data pipeline on a self-managed VPS: ingestion with Apache Airflow, data quality validation with Great Expectations, transformations with dbt, and visualization with Metabase and MLflow.
- Configured full production infrastructure: Docker Compose orchestrating 10+ services, Nginx Proxy Manager with SSL, Cloudflare Tunnel for secure access from any network, and dual firewall (Hetzner + UFW).
- Implemented monitoring system with email alerts (Uptime Kuma + Python scripts) and remote access via reverse SSH tunnel for a research team behind a university firewall.

### Predict-Heart — Cardiac Risk Prediction

[↗ GitHub](#)[▶ Demo](#)

[Python](#) · [Scikit-Learn](#) · [Streamlit](#) · [Pandas](#)

- Developed and deployed to production a predictive web app that diagnoses cardiac risk using 6 ML models (logistic regression, Naive Bayes, KNN, decision tree, SVM, and MLP neural network) and a final ensemble for greater accuracy.
- Implemented a full pipeline: data cleaning, feature engineering, training, metrics evaluation (accuracy, F1, AUC), and interactive deployment on Streamlit.

### Spotify ETL Analytics Pipeline

[↗ GitHub](#)

[Python](#) · [REST API](#) · [PostgreSQL](#) · [Power BI](#)

- Designed an automated, scalable ETL architecture that extracts raw data from the Spotify API, transforms it for completeness, stores it in PostgreSQL, and exposes it in interactive Power BI dashboards.

## LANGUAGES

---

### Spanish

Native

### English

B2 — Upper-Intermediate