

Jose Eliuth Torres Ortiz

DATA ANALYST & DATA ENGINEER

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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 of an ontological model for early inference of neonatal and early-childhood epileptic syndromes from observable clinical variables, without requiring specialized medical equipment.
- 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

ETL Pipelines, Streamlit, Flask, REST APIs, Web Scraping, Docker, Matplotlib, Seaborn, AppSheet, Google Sheets, Power BI, Tableau

Machine Learning & AI

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

Tools & Version Control

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

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

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