Cesar Balam Espinosa Nunez
Zapopan, Jalisco, Mexico

📞 (+52) 33 1093 2747   ✉ cesarbalam.2004@gmail.com   github.com/1Espi   in linkedin.com/in/cesarbalam

Experience

Software Developer - Centro de Analisis de Datos y Supercomputo (CADS)   **Zapopan, Jalisco**
Social Service (Internship)   *March 2025 -- September 2025*

- Developed and optimized **ETL** (Extract, Transform, Load) processes using **Python** and **SQL** to centralize and prepare cluster usage metrics.
- Implemented an optimized **SQL database** and configured access endpoints to facilitate direct connection and the generation of reports for the Data Science team.
- Contributed to the full-stack development of institutional websites (Redmexsu, CUDI) using **JavaScript**, **Git** and **Supabase**, ensuring the management of key institutional information.

Data Scientist & Data Analyst   **Zapopan, Jalisco**
Independent & Academic Projects   *October 2025*

- Executed end-to-end **data cleaning and preprocessing (Data Wrangling)** pipelines, ensuring data integrity through missing value imputation, normalization, and outlier detection for robust statistical modeling.
- Implemented **Machine Learning (ML)** algorithms using **scikit-learn** for **predictive analytics (regression/classification) and clustering**, leveraging hyperparameter tuning to optimize model performance and accuracy.
- Designed interactive dashboards and high-impact visualizations using **Matplotlib, Seaborn, and Dash**, translating complex datasets into actionable **Data Storytelling** narratives to drive strategic decision-making.

Skills

Languages: Spanish (Native), English (Advanced).
Python Ecosystem:
- **Automation & Scripting:** os, sys, requests, subprocess, beautifulsoup4, openpyxl.
- **Data Analysis:** Pandas, NumPy, SQLAlchemy, scikit-learn.
- **Visualization:** Matplotlib, Seaborn, Plotly, Dash.

Data Engineering & Databases: ETL pipeline development, SQL (PostgreSQL, Supabase), NoSQL basics.
BI Tools & Software: Power BI (DAX, Power Query), Excel Advanced (VBA / Macros), Office Suite.
Development & Infrastructure: JavaScript, Git/GitHub, GitHub Actions (CI/CD Automation), Docker, Linux, Azure.
Soft Skills:
- **Efficiency under Pressure:** Highly organized with excellent time management skills, capable of delivering high-quality results in fast-paced or high-stakes environments.
- **Adaptability:** Fast learner with a high capacity to integrate into new technical environments and master emerging technologies through a self-taught approach.
- **Collaboration:** Assertive and effective communicator experienced in multi-member teams under Agile methodologies, focused on team goals and clear feedback.

Education

Colegio de Estudios Cientificos y Tecnologicos del Estado de Jalisco   **Zapopan, Jalisco**
Technical Degree in Mechatronics   *August 2019 -- July 2022*

Centro Universitario de Ciencias Exactas e Ingenierias   **Guadalajara, Jalisco**
B.S. in Informatics Engineering   *August 2022 -- Present*

Certifications

Databases and SQL for Data Science with Python   **IBM**
Proficiency in using SQL for relational database management and integrating Python for analysis.   *2025*

Python for Data Science, AI & Development   **IBM**
Fundamentals of Python programming and use of essential libraries for Data Science tasks.   *2025*

Linux Essentials   **Cisco**
Fundamental knowledge of the Linux operating system.   *2025*