

VICTOR CARDENAS GIL

DATA & AI ENGINEER

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SUMMARY

Data & AI Engineer focused on optimizing systems and building data-driven solutions using applied machine learning. Proven ability to improve performance, automate processes, and deliver measurable impact.

EDUCATION

Master's degree in computer science AI focus (GPA 98/100) – ITESO, Guadalajara, México 2023 – 2025

Master's Project – Facial Expression Recognition Using Lightweight Convolutional Neural Networks

- Developed a CNN-based FER model using transfer learning, achieving $92.3\% \pm 0.7\%$ accuracy.

Bachelor's degree in architecture (GPA 96/100) – ITESO, Guadalajara, México 2015 – 2021

TU Braunschweig (ISEP Scholarship winner) – Germany, Braunschweig (Exchange semester) Spring 2019

Université Laval (ELAP Scholarship winner) – Quebec, Canada (Exchange semester) Fall 2017

EXPERIENCE

Database Engineer | Oracle NetSuite GBU June 2025 – Present

- Achieved **100% resolution rate** in on-call incidents (business-critical incidents).
- Reduced query execution times from **timeouts (>360s) to sub-second performance**, delivering **2x–10x improvements**.
- Diagnosed and resolved performance bottlenecks using execution plans, wait events, and concurrency analysis, **scaling fixes across multiple environments**.

Data Scientist at Melvin Pay Fintech Startup May 2024 – Jan 2025

- Built fraud detection system with **100% fraud rejection rate**.
- Automated **92% of approvals, reducing manual work by 79%**.
- Developed **data pipelines and performed feature engineering**.

Architect / BIM Manager | Various Firms 2017 – 2023

- **Led cross-functional teams** in BIM-driven projects, ensuring on-time delivery.
- **Reduced project delivery time by 30%** through workflow optimization and BIM processes.
- Managed end-to-end execution, improving coordination, and reducing rework.

SKILLS / TOOLS

Python, SQL | PyTorch, Scikit-learn, Transfer Learning | Pandas, NumPy, EDA | Oracle SQL, Query Optimization, Performance Tuning | Grafana, OpenSearch | AWS, OCI | Git, Jira, Hugging Face

LANGUAGES

Spanish (Native) | English (Advanced) | French (Advanced) | German (Basic)