MANUEL MORAN

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PROFESSIONAL EXPERIENCE

Texas A&M University - Read Center for Distribution Research *College Station, TX*
AI Researcher **June 2025 - Present**
- Support the AI4ID Consortium, an AI in distribution research initiative with 4 distributors, including HooverCS and SRS Distribution.
- Engage with company executives to identify technology gaps, use cases, and adoption challenges in AI implementation.
- Conduct research on ERP systems, AI tools, and data analytics to improve efficiency in distribution operations.
- Develop AI-driven prototypes and proof-of-concept solutions using data pipelines and ERP-derived data.

Credit Bank of Peru *Lima, Peru*
Data Engineer **January 2023 - August 2024**
- Developed Python-Based ETL pipelines reducing financial statement processing time by 50%, enabling faster decision-making.
- Led migration of big data workflows from Cloudera and Oracle SQL to Azure Databricks, reducing query times by 80% and significantly increasing data scalability.
- Created dynamic Power BI dashboards connected to Databricks via Python-based ETL, enabling real-time tracking of $400M annual revenue across key financial metrics, contributing to a 10% increase in retail product revenues.
- Automated legacy Excel-based processes with Python, enhancing operational efficiency by 80%.
- Mentored junior analysts, boosting team reporting accuracy by 35% and reducing errors in financial statements.

Data Analyst Intern **January 2022 - December 2022**
- Generated accurate and consistent financial reports for retail and wholesale banking divisions with Python and SQL.
- Refined data processing workflows, raising reporting precision and operational effectiveness across teams.

Freelance Consultant *Lima, Peru*
Software Developer **September 2020 - July 2021**
- Developed a custom ERP system for a construction tools and materials company ($500K+ annual revenue), optimizing sales, inventory management, and financial reporting using .NET (C#) and MySQL.
- Built interactive dashboards to analyze key products and profitable sales periods, driving a 15% revenue increase, while automating P&L statements, balance sheets, and cash flow reports.

EDUCATION

Texas A&M University *College Station, TX*
Master of Science, Computer Science **May 2026**

Pontifical Catholic University of Peru *Lima, Peru*
Bachelor of Science, Informatics Engineering **December 2022**

PROJECTS

Smart Resume Parser Dashboard | *FastAPI, SBERT, Gemini Flash 2.0, React, Docker* **April 2025**
- Developed a web application where users upload a resume, receive tailored job matches, and view intuitive charts of skill gaps and salary trends, reducing search time by ∼**5 times** compared with manual browsing.
- Built a platform that reads a resume, picks out the candidate's skills, and compares them with more than ten thousand job listings to deliver the top matches in seconds.

Nationwide Vehicle Routing Logistics Software | *Java, Spring, C#, .NET* **June 2022**
- Built a logistics scheduling system for a fleet of 500+ trucks, enhancing transportation efficiency across multiple cities by factoring in package distribution, maintenance schedules, and unexpected breakdowns.
- Integrated AI-driven optimization, leveraging **A*** for route planning and **Simulated Annealing** for scheduling refinement, boosting delivery efficiency by **20%** and lowering operational costs by **15%.**

SKILLS

Programming: Python, C++, C, Kotlin, Java, SQL, NoSQL, Javascript, DAX
Frameworks & Libraries: React, AngularJS, Pandas, NumPy, Scikit-Learn, Bootstrap, Git
Data & BI Tools: Azure Databricks, Power BI, Tableau, Oracle SQL, Cloudera (Impala), MySQL, NoSQL
Soft Skills: Leadership, Effective Communication, Analytical Problem-Solving, Cross-Func. Collaboration