

MANUEL G. MORAN

College Station, TX

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PROFESSIONAL EXPERIENCE

Texas A&M University - Read Center for Distribution Research

AI Researcher

College Station, TX

June 2025 - Present

- Collaborate with industry partners to identify analytics gaps, KPI definitions, and decision-support needs for distribution operations.
- Analyze ERP and operational datasets to surface insights supporting AI-enabled process improvements.
- Prepare analytical summaries and findings for faculty and industry stakeholders.

Credit Bank of Peru

Data Engineer

Lima, Peru

January 2023 - August 2024

- Developed executive-facing dashboards in Power BI tracking profitability, revenue, and operational KPIs across retail and wholesale banking.
- Delivered analytics supporting 10% growth in retail product revenues through improved visibility into performance drivers.
- Designed reusable analytical datasets in Databricks to standardize reporting across teams.
- Improved data accuracy and consistency by 35% through metric standardization and validation workflows.
- Partnered with finance and business teams to translate requirements into actionable analytics solutions.

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

Data & BI Tools: Azure Databricks, Power BI, Tableau, Oracle SQL, Cloudera (Impala), MySQL, NoSQL

Programming: Python, C++, C, Kotlin, Java, SQL, NoSQL, Javascript, DAX

Frameworks & Libraries: React, AngularJS, Pandas, NumPy, Scikit-Learn, Bootstrap, Git

Soft Skills: Leadership, Effective Communication, Analytical Problem-Solving, Cross-Func. Collaboration