Francisco Manuel Fernández Tinoco

Data Scientist | Data Science & Big Data | Machine Learning & AI

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Professional Profile

Data Scientist experienced in developing predictive models, process automation, and advanced data analysis. Specialized in Python, SQL, and Machine Learning techniques, with knowledge of cloud architectures (AWS, Google Cloud). Passionate about turning complex data into strategic solutions that optimize business decision-making and deliver measurable impact.

Work Experience

Data Scientist

OPFAR | May 2025 – Present

- Developed and implemented demand forecasting models using Machine Learning (scikit-learn, XGBoost) to optimize purchasing and inventory processes.
- Built ETL pipelines for data integration and cleansing from multiple management systems.
- Designed interactive dashboards in Power BI and Python (Plotly/Dash) to monitor sales and logistics KPIs.
- Collaborated with cross-functional teams to translate business needs into data-driven solutions, reducing overstock by 15%.
- Applied Forecasting and Time Series Analysis techniques, improving prediction accuracy by 12%

Machine Learning Engineer

Outlier.ai | November 2024 – May 2025

- Evaluated more than 5,000 responses generated by LLMs, improving prompt compatibility by 30%.
- Detected contextual errors and inappropriate content, increasing linguistic quality by 25%.
- Selected the most natural and human-like responses for supervised training, improving conversational model accuracy.

Operations Data Scientist

Teldar Travel SL | May 2023 – November 2024

- Analyzed and classified over 100 tickets daily via Salesforce, reducing resolution time by 25%.
- Optimized workflows and error detection using Jira, decreasing response times by 20%.
- Created templates and automated email processes, reducing standard response time by 15%.

Education

Master's in Data Science & Big Data - IEBS, 2025
Education in Computer Engineering - National University of Distance Education (UNED), 2020

Technical Skills

Programming Languages: Python, SQL, HTML, CSS
Data Science & Big Data: Pandas, Numpy, Matplotlib, Seaborn, Pyspark
Machine Learning, Deep Learning,& AI: Scikit-learn, TensorFlow, Pytorch, NLP**,** ETL Pipelines, Feature Engineering, Model Deployment, MLOps
Web Development & Tools: Flask, Django, Git & Github
Cloud: Google Cloud
Data Visualization: PowerBi

Projects & Portfolio

CryptoSignal Mobile App

- Developed a Python app using Kivy to track cryptocurrency prices and issue real-time buy/sell signals.
- Increased prediction hit rate by 5% and overall accuracy by 15%.

API Development for Data Analysis

- Built a Python-based tool to analyze Excel ticket data and automatically classify them by urgency.
- Reduced manual processing time by 50% and decreased human errors by 30%.

Certifications & Additional Training

Machine Learning: Applied to Python & Data Science (Udemy, 2024)
Worksmart: Optimize Your Workday with Chatgpt & IA (IEBS Biztech School, 2024)
The Python Mega Course: Build 10 Real World Applications (Udemy, 2024)
Introduction to Sql (Sqlbolt, 2024)

Languages

Spanish: Native
English: Advanced (C1)
German: Beginner (A2)