

# MARIA FERNANDA BANY

## INDUSTRIAL ENGINEER | DATA ANALYST

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### ABOUT ME

Recently graduated Industrial Engineer with a strong background in data analysis and an up-to-date approach to technological trends. My passion for technology and data drives me to keep learning and deepening my knowledge in the IT world. I am looking for remote opportunities where I can apply my skills in data interpretation, dashboard development, and analytical solutions to optimize strategic decision-making. I stand out for my proactivity, creativity, and adaptability to new challenges.

### EDUCATION

#### Industrial Engineer

Universidad Tecnológica Nacional (UTN) - FRSR | 2019 - 2024

Focus on process optimization, data analysis, and project management.

Thesis: "Feasibility Analysis of the Production and Commercialization of Moisture-Resistant Gypsum Boards."

#### Database Diploma

Universidad Tecnológica Nacional (UTN) - BA | Enero 2024 - Ongoing

Specialization in design, management, and analysis of relational and non-relational databases.

Tools: SQL, Oracle, MongoDB, Azure Data Studio.

### PROFESSIONAL EXPERIENCE

#### Production Planning and Control Analyst | Grupo Arcor

July 2024 - January 2025

- Developed predictive models for production planning, optimizing demand forecasting and resource allocation in the supply chain.
- Created interactive dashboards in Power BI to monitor key KPIs related to production efficiency, inventory, and deadline compliance.
- Analyzed historical production data to identify trends and suggest process improvements, reducing downtime and operating costs.
- Collaborated with multidisciplinary teams (production and quality) to ensure alignment between planning and execution.
- Automated production reports using SQL and Power BI, reducing report generation time by 30%.

#### Digital Transformation Intern | Tassaroli - Oil & Gas

May 2024 - June 2024

- Intern in the Industry 4.0 area, focused on Continuous Improvement and Digital Transformation Assisted in the implementation of a new production management and control system based on Siemens technology, aimed at integrating an MES (Manufacturing Execution System) to enhance operational efficiency and real-time decision-making.

#### Production Analyst | Fabricio Orlando Wines

March 2023 - January 2024

- Developed an optimized production plan for the wine industry.
- Implemented an inventory management system using SAP MM, improving stock rotation by 12%.
- Used SAP PP for production planning and real-time monitoring of production progress.

### PROJECT EXPERIENCE

#### Sales Predictive Analysis for a Retail Chain

As an external consultant for Frávega through Consultora DataSolutions, I developed a predictive model using Python and Power BI to analyze sales trends and forecast product demand across different regions in Argentina, including Buenos Aires, Córdoba, and Mendoza. The model was based on historical sales data, seasonal factors, and specific economic variables from each region. Utilized Pandas and Scikit-learn for data analysis and model creation, while Power BI facilitated effective visualization of results. The outcomes included a 15% reduction in excess inventory in the analyzed regions and a 20% improvement in sales forecast accuracy, optimizing national stock distribution.

#### Production Report Automation with Power BI and SQL

- Implemented an automated system for real-time report generation at Arcor.
- Used SQL to extract data from the company database and Power BI to create interactive dashboards for visualizing key KPIs.

#### Recommendation System Development for an E-commerce Platform

Built a machine learning-based recommendation system for Calzados Los Gallegos. The system analyzed user behavior and suggested personalized products.

#### Presentation at the 107th MEETING OF THE ARGENTINE PHYSICS ASSOCIATION

Author of the study Influence of Deposition Radius on the Growth of DLA, presented as a poster at the 107th MEETING OF THE ARGENTINE PHYSICS ASSOCIATION in San Carlos de Bariloche, Argentina. Developed optimization algorithms in Python to analyze inventories and define optimal order management strategies. Gained experience in cloud storage by working in a laboratory, using open-source Linux systems, and managing internet servers for data processing and storage.

### COURSES AND CERTIFICATIONS

Microsoft Certified: Azure Data Fundamentals DP900

EF SET English Certificate 68/100 (C1 Advanced)

Project Management | Udemy 35 hours

SAP PP | SAP Production Planning - Udemy 6 hours

Introduction to Programming | Educación IT

Data Analytics | Coderhouse 12 weeks

Oracle Database Programming - PL/SQL Language | UTN BA (4 weeks)

### HARD SKILLS

Data Visualization: Power BI, Tableau, Excel (advanced: pivot tables, macros, complex formulas), Google Data Studio.

Programming & Databases: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL, PL/SQL (Oracle), JavaScript (basic for interactive visualizations).

Database Management: MySQL, Oracle, MongoDB, Azure Data Studio, Google BigQuery.

Cloud & Data Engineering: Microsoft Azure (Azure Data Factory, Azure SQL Database), Google Cloud Platform (BigQuery, Cloud Storage).

Project Management & Collaboration: Microsoft Project, Trello, Slack, GitHub (version control and code collaboration).

Business & Process Management: Lean Manufacturing, Agile & Scrum, Predictive Analytics & Machine Learning, ETL (Extract, Transform, Load).

SAP Systems: SAP PP, SAP BW/BI, SAP MM.

Office Tools: Google Workspace (Docs, Sheets, Slides), Microsoft Office 365 (Word, Excel, PowerPoint, Teams, SharePoint).

Design Tools: AutoCAD, Inventor, Solid Edge, SketchUp.