

# ITZARI CALVILLO H.

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## EDUCATION

### UNIVERSITY OF TEXAS AT AUSTIN

*PG Dip., Data Science & Business Analytics*

2022-2023

GPA: 4.24 / 5

### UNIVERSITY OF THE VALLEY OF MEXICO

*B.S., Marketing*

2018-2023

GPA: 3.91 / 4

## SKILLS

### TECHNICAL

Machine Learning | Python | PostgreSQL | Tableau | Data Visualization | Exploratory Data Analysis | Classification & Regression Algorithms | Predictive Modeling | Statistical Inference | Google Workspace | Microsoft Suite | AI Tools

### SOFT

Teamwork | Time Management | Accountability | Adaptability | Troubleshooting | Written Communication | Motivation

## ACADEMIC PROJECTS

### MACHINERY FAIL PREDICTIVE MODEL

*Jorge A Calderon Loan Officer | Dallas, TX*

- Conducted EDA on wind turbine data, analyzing failure patterns, variables, and correlations.
- Developed robust predictive models using classification algorithms and evaluation methods.
- Enhanced model performance from 0.73 to 0.82 recall on test data through rigorous validation.
- Deployed a final pipeline achieving 98% predictive accuracy, identifying 83% of failing generators and offering actionable insights for cost optimization.

### PHONE PRICE ANALYSIS & STRATEGY

*Self-Employed | Remote*

- Analyzed used/refurbished phone data to identify key price change variables.
- Maintained dataset integrity by managing missing values and outliers.
- Engineered a linear regression model explaining 84% of data variation without overfitting.
- Validated model assumptions and delivered actionable insights for sales strategy enhancements.

## ACHIEVEMENTS

### PYTHON CHAMPIONSHIP, RANKED: 3RD

*University of Texas at Austin*

## CERTIFICATIONS

### VERIFIED INTERNATIONAL ACADEMIC QUALIFICATIONS FOR B.S., MARKETING

*WES (World Education Services)*

## ELIGIBILITY

### NATIONALITY

*US Citizen*