



## Rodrigo de Camargo Rodrigues

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 [GitHub Portfolio](#) · [LinkedIn](#)

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### Objective

Junior Data Scientist eager to apply machine learning, SQL, and business intelligence skills to support data-driven decision-making at InCharge Debt Solutions. Bringing hands-on experience in predictive modeling, dashboard development, and data wrangling to deliver actionable insights.

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### Education

#### **IBM Data Science Professional Certificate** – Coursera (2025)

Key Coursework: Python, SQL, Machine Learning, Data Visualization, Dashboards, Capstone Project

#### **MBA – Southeastern University International** – Lakeland, FL (In Progress)

Concentration: Business Analytics & Strategic Management

#### **Law Degree (JD Equivalent)** – Brazil (2000)

20+ years of experience in problem-solving, compliance, and strategic leadership.

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### Technical Skills

- **Programming & Analytics:** Python, SQL, R, PySpark
  - **Data Visualization:** Power BI, Tableau, Matplotlib, Plotly Dash
  - **Machine Learning:** Logistic Regression, Decision Trees, SVM, KNN, Model Tuning (GridSearchCV)
  - **Databases & Platforms:** SQLite, MySQL, Data Lakes & Warehouses (concepts)
  - **Tools:** Jupyter Notebook, GitHub, Excel
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### Projects

## Capstone Project – Predicting SpaceX Falcon 9 First-Stage Landing Success

- Collected launch data via **SpaceX REST API** and **Wikipedia Web Scraping**.
- Performed **SQL queries** and **EDA** with Matplotlib, Seaborn, and Folium maps.
- Built **interactive dashboard in Plotly Dash**: dropdowns, sliders, scatter plots, pie charts for mission success.
- Trained and tuned **Logistic Regression, SVM, Decision Tree, and KNN** models with GridSearchCV.
- Achieved **94.4% accuracy** with Decision Tree, outperforming other algorithms.

## Florida Unemployment Forecasting

- Built time series models (ARIMA & Prophet), improving forecast accuracy by 15%.
- Automated reporting pipelines reducing weekly manual effort by ~10 hours.

## Chicago Crime & Census SQL Analysis

- Designed advanced SQL queries to analyze crime trends and census correlations.
- Extracted insights on community demographics and public safety indicators.

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## Professional Experience

### Real Car Sales – Orlando, FL

*Finance Manager / Data-Driven Operations (2022–Present)*

- Designed **Power BI dashboards** to monitor buybacks, commissions, and KPIs.
- Built **multi-year SQL/Excel forecasting models (2022–2027)** to guide investors.
- Reduced financial risk by 20% through data-driven policies.

### Legal & Compliance Career – Brazil

*Attorney & Consultant (2000–2021)*

- Led compliance and risk analysis projects.
- Specialized in **data-driven regulatory strategies** and complex negotiations.