

# Ítalo Vinícius

Software Engineer, focused on data engineering and dataops.

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📍 Brasília, Brazil

## Summary

Software engineer with a focus on data engineering and dataops, currently pursuing a degree in Software Engineering at the University of Brasília. Possesses strong knowledge in Business Intelligence (BI), Analytics, and DataOps, with experience in developing dashboards and dataflows in Power BI, statistical data analysis, and data manipulation. Also has experience with GCP (Google Cloud Platform), Oracle database management, and Oracle APEX page development, as well as projects in Machine Learning, computer vision, data analysis, and software development in Python and C++. Has skills in leadership, teamwork, problem-solving, and machine learning. Additionally, has advanced English proficiency.

## Experience

### Data Engineer at Embraer

Jul 2023 - Present

*Remote*

- Development of the Data Ecosystem Project
- Implementation in Cloud Computing solutions (AWS, GCP)
- SQL, Shell Script, Python, Spark
- SQL and NoSQL databases (SQL Server, Oracle, Google Cloud databases, SAP)
- SQL database modeling and architecture
- ETL Tools (AecorSoft Data Integrator, PySpark, Nifi, Apache Airflow)
- Data Zone Ingestion and organization
- Building Analytical Dashboards in Power BI
- Power BI capacity administration
- DevOps

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### Data Intern at Embraer

Nov 2021 - Jul 2023

*Remote*

- Power BI capacity administrator
  - Creation of dashboards and dataflows in Power BI
  - Analysis of data from IT teams
  - Control of relational and non-relational data
  - Automation of tasks, KPIs, spreadsheets, websites, and management systems
  - Internal customer support
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## IT Intern at Tribunal de Contas da União

Jan 2021 - Oct 2021

*Brasília, Brazil*

- Oracle database management
  - Development and management of Oracle APEX pages
  - Optimization of database relationships
  - Development and correction of JavaScript code
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## Researcher in Computer Vision at University of Brasília

Aug 2020 - Jan 2021

*Brasília, Brazil*

- Development and research of predictive models for road lane detection using convolutional neural networks and deep learning
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## Projects **Coletaço**

Group project to assist recyclable material collectors

### Technologies Used:

- JavaScript
- React Native
- ExpressJS

### GitHub Repository:

- <https://github.com/italovinius18/Coletaco>
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## **Stag.io**

Group project to assist recyclable material collectors

### Technologies Used:

- JavaScript
- React Native
- ExpressJS

### GitHub Repository:

- [https://github.com/UnBArqDsw2021-2/2021.2\\_G3\\_stag.io\\_Frontend](https://github.com/UnBArqDsw2021-2/2021.2_G3_stag.io_Frontend)
  - [https://github.com/UnBArqDsw2021-2/2021.2\\_G3\\_stag.io\\_Backend](https://github.com/UnBArqDsw2021-2/2021.2_G3_stag.io_Backend)
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## **Car Sales Analysis**

Analysis of car sales from a specific dealership

### **Technologies Used:**

- Python

### **GitHub Repository:**

- <https://github.com/italovinius18/DataScience/blob/main/Cars%20price%20prediction/notebook.ipynb>
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## **User Reviews Analysis**

Analysis of user feedback on a motorcycle model

### **Technologies Used:**

- Python

### **GitHub Repository:**

- <https://github.com/italovinius18/DataScience/tree/main/Moped%20Reviews>
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## **Traffic Sign Detection and Analysis**

Analysis of traffic signs in the CARLA simulator using YoLo and Tesseract models

### **Technologies Used:**

- Python

### **GitHub Repository:**

- <https://github.com/guilherme-mendes/TEES-Autonomous-vehicles>
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## **Appliance Behavior Analysis**

Evaluation of the performance of an appliance based on data collected from the motor

### **Technologies Used:**

- Python

### **GitHub Repository:**

- <https://github.com/italovinius18/DesafioTractian/blob/main/Tractian.ipynb>
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## **Data Pipeline and Sentiment Analysis**

Consumption of Telegram message data, streaming processing with Kafka and Spark, sentiment analysis, and storage in Elasticsearch

### Technologies Used:

- Python

### GitHub Repository:

- <https://github.com/italovinius18/PSPD/tree/main/ProjetoFinal/B>

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## Skills

Business Intelligence (BI) · Analytics · DataOps · Power BI · GCP (Google Cloud Platform) - BigQuery, Dataproc, Airflow, Nifi · Oracle Database · Machine Learning · Python · C++ · Leadership · Teamwork · Problem Solving · Machine Learning · English (Advanced)