LETÍCIA TAVARES
Data Scientist

CONTACT

📞 +55 22 99763-7177

✉ leticiatavares@ufrj.dcc.br

📍 Copacabana, Rio de Janeiro

in leticia-tavares-lts

🌐 https://leticiatavares.netlify.app/

EDUCATION

2019 - Present
UNIVERSIDADE FEDERAL DO RIO DE JANEIRO (UFRJ) 🔗
Bachelor of Computer Science

2014 - 2016
INSTITUTO FEDERAL FLUMINENSE (IFF) 🔗
Buildings Technician

LANGUAGES

- English (Fluent)
- Portuguese (Native)
- Spanish (Basic)

SOFT SKILLS

- Critical Thinking
- Problem-Solving
- Time Management
- Attention to Detail
- Adaptability
- Collaboration
- Communication
- Resilience

PROFILE

Analytically-minded Data Scientist with a proven track record of leveraging statistical modeling, machine learning algorithms, and data visualization techniques to extract insights and drive informed decision-making. Skilled in processing, manipulating and analyzing complex datasets. Proficient in programming languages such as Python, R, and SQL, with hands-on experience in data wrangling, feature engineering, and model deployment. Passionate about continuous learning and staying updated with emerging technologies in the field of data science.

WORK EXPERIENCE

2022 - 2023 | Brazil
Data Scientist
IBM 🔗

- **Conducted a comprehensive data source exploration** for fraud detection system, sought to identify pertinent information for building an early detection system for potential fraud attempts or non-payment of health insurance contracted for employees of a company.
- **Created customized algorithms** to navigate various websites and platforms, **gathering specific information about companies' CNPJs** and their respective owners.
- **Integrated the system with APIs** from available data sources to ensure comprehensive and up-to-date data collection.
- **Developed and maintained custom dashboards** to provide comprehensive insights into potential fraudulent activities and patterns.
- **Conducted predictive analyses** to identify high-risk groups and patterns indicative of potential fraud attempts within insurance claims or policyholder behavior.
- Implemented **advanced natural language processing techniques (NLP)** to **extract insights** from unstructured text, such as insurance claims records, and identify linguistic patterns associated with fraud or suspicious behavior.

2021 - 2022 | Brazil
Data Scientist intern
IBM 🔗

- Worked at a HealthCare Insurance project, focusing on the **creation of a comprehensive database** housing extensive datasets pertaining to insured individuals' medical histories, **utilizing SQL and Python**.
- Collaborated with multidisciplinary teams, including doctors, data analysts, and insurance specialists.

LETÍCIA TAVARES
Data Scientist

📞 +55 22 99763-7177
✉ leticiatavares@ufrj.dcc.br
🌐 https://leticiatavaresds.github.io

2021 - 2022 | Brazil
Data Scientist intern
IBM 🔗

- Played a **key role in defining essential metrics** related to healthcare costs and medical service usage.
- **Developed custom dashboards** offering comprehensive insights into policyholders' usage patterns.
- **Conducted predictive analyses** to identify high-risk groups prone to incurring substantial medical costs.
- **Engaged in all phases of machine learning model development**, from inception to effective deployment, to predict medical service utilization and mitigate health risks.
- Continuously **refined and updated models** to enhance accuracy and support the insurance company's management in resource optimization.
- Implemented scalable data **pipelines using Hadoop and PySpark.** Used these technologies to efficiently handle the large volume of policyholder medical history data, enabling distributed and parallel processing for fast and efficient analysis.

2021 - 2021 | Brazil
Data Engineer Intern
VISAGIO 🔗

- Engaged in a **project centered on data engineering and consulting**.
- **Developed automations for data extraction**, with a particular emphasis on integrating with SAP, the client's primary system.
- **Worked closely with clients**, gaining insight into their needs and specific requirements.
- **Utilized Python and SAP as primary tools** for solution development.
- **Developed solutions to extract data from SAP**, ensuring integrity and quality.
- Actively **participated in processing and transforming data** to prepare it for integration with the client company's website database.

ACADEMIC EXPERIENCE

2022 - 2023 | Brazil
Data Scientist
COPPEAD 🔗

- **Developed web scraping tools using the R language** to gather a large volume of data consisting of course evaluations by CAPES, available on the Sucupira platform.
- Actively participated in the **creation of a robust database** designed to store and organize the collected information.
- **Prepared data for building a machine learning model** aimed at improving the accuracy of course evaluations at UFRJ.

SKILLS

Machine Learning
Classification; Regression; Clustering; Time Series; Deep Learning;

Python Libraries
Numpy; Pandas; Matplotlib; Seaborn;

Statistical Analysis
Hypothesis testing; A/B testing; Descriptive analysis;

Data Analytics
Google Analytics;

Data Visualization
Google Data Studio; Power BI;

Code Versioning
Github;

Cloud Computing
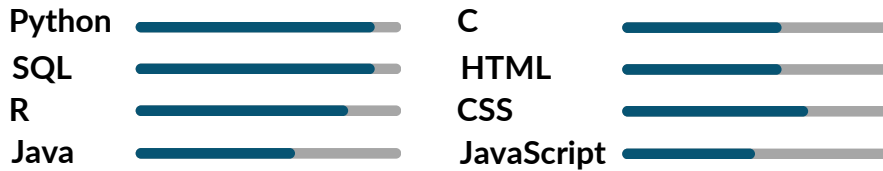Google BigQuery; Cloud Storage;

LETÍCIA TAVARES
Data Scientist

📞 +55 22 99763-7177
✉ leticiatavares@ufrj.dcc.br
🌐 https://leticiatavaresds.github.io

LANGUAGES

Python		**C**
SQL		**HTML**
R		**CSS**
Java		**JavaScript**

AWARDS

2012 | Brazil
Honorable mention
OBMEP (Brazilian Public School Mathematics Olympiad) 🔗

2011 | Brazil
Bronze Medal
OBMEP (Brazilian Public School Mathematics Olympiad) 🔗

2012 and 2014 | Brazil
Silver Medal
OBMEP (Brazilian Public School Mathematics Olympiad) 🔗

2013 | Brazil
Gold Medal
OBMEP (Brazilian Public School Mathematics Olympiad) 🔗

CERTIFICATES

- IBM Agile Explorer 🔗
- Data Science Foundations - Level 1 🔗
- Data Science Foundations - Level 2 🔗
- Big Data Foundations - Level 1 🔗
- Data Science Tools 🔗
- Getting and Cleaning Data 🔗
- The Data Scientist's Toolbox 🔗
- Data Science Methodologies 🔗
- ETL and Data Pipelines with Shell, Airflow and Kafka 🔗
- Linux Commands & Shell Scripting Essentials 🔗
- Data Warehousing and BI Analytics Essentials 🔗
- Databases and SQL for Data Science with Python 🔗
- R Programming 🔗
- **Specialization**: BI Foundations with SQL, ETL and Data Warehousing 🔗