

Larissa Pereira

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Education

Bachelor of Technology (B.Tech),

Punjab Technical University

2014 – 2018

Top 5% in Class

Relevant courses:

Calculus, Linear Algebra,
Probability, Statistics & Intermediate
Programming

Hands-On Technical Experience

Programming Languages:

Python (Jupyter Notebook,
JupyterLab, VS Code, PyCharm),
SQL (SQL Workbench)

Packages:

Tensorflow, Keras, Pandas, Numpy,
Matplotlib, Seaborn, Scikit-learn,
ARCH, StatsModel.

Tools and Technologies:

Power BI, Tableau, Git, Linux, MATLAB.

Internships

iNeuron.ai, Internship

06/2021 – 02/2022

- Modelled and Deployed 2 Machine Learning models using Flask and Machine Learning Techniques.
- Documented and prepared the reports and dashboard for the prepared models and the outcomes.
- Utilized: Regression & Classification Techniques, Flask, Python, Hyper-tuning methods

Analysis of Minimum Length

Supersonic Nozzle, IIT Kharagpur

07/2017 – 12/2017

- Modelled and Analysed a Minimum Length Nozzle on Matlab and ANSYS in the Department of Aerospace.
- Utilized: ANSYS, MATLAB, Octave, Linux

Achievements

- GATE 2021 Qualified with AIR 600
- Ranked 24th out of 3300 Data Scientists in Analytic Vidhya's Hackathon.
- Ranked 265 out of 1500 Data Scientist in MachineHack's Hackathon.
- Awarded as the Top Performer in FirstSource Solutions for the Year 2021-2022
- Ranked 42nd in the State of Maharashtra for Science Olympiad 2007.

Skill Highlights

- Statistics and Machine Learning
- Agile Methodologies
- Data Science (Visualization, Cleaning, Analysis)
- Python, SQL, Power BI, Tableau
- MATLAB/ GNU Octave

Professional Experience

Senior Associate, Firstsource Solutions Limited

02/2020 – present

- Build Predictive models and Machine-learning algorithms to Identify and Reduce Fraud and Shortages in Loans.
- Prepare Reports and Dashboards for Clients.
- Coordinating with clients to understand the business needs and provide solutions.
- Frequently update the dashboard and collect data to verify the accuracy of data.
- Avoiding shortages and Fraud of an average of \$56,000 a week.

Certificates

Machine Learning by Stanford University - October 2021

- Learned theoretical underpinnings & gained the practical knowledge needed to apply these techniques to new problems.

IBM Data Science Professional - July 2021

- Executed open source tools, libraries, Python, Databases, SQL, Data visualization, Data analysis, Statistical analysis, Predictive modelling, and Machine Learning algorithms.

Time Series Analysis in Python 2021

- Implemented the powerful time-series functionality built into pandas, and libraries such as NumPy, matplotlib, statsmodels, yfinance, ARCH and pmdarima.

2021 Python - Udemy - May 2021

- Strengthened abilities to use both Python 2 and Python 3

Project Experience

Customer Churn Prediction - Hackathon of Analytics Vidhya,

24th Rank out of 3300 Participants in Analytics Vidhya Hackathon

03/2022 – 03/2022

- Predicted if the Customer will Churn or not in the next 6 months.
- Utilized: Supervised & Unsupervised Machine Learning, XGBoost, Isolation Forest.

Potato and Pepper Disease Prediction using CNN

02/2022 – 02/2022

- Used Convolutional Neural Networks (CNN) to identify the diseases that affect Pepper and Potato leaves.
- Utilized: CNN, Python

Mall Customer Segmentation

01/2022 – 02/2022

Worked with an UnSupervised Machine Learning Model using K-Means to cluster the groups of customers.

Utilized: K-Means, Python, UnSupervised Learning

Covid - 19 Dashboard - Power BI

01/2022 – 01/2022

- Created an Interactive Covid -19 Dashboard with data from 200 countries.
- Utilized: Power Bi, DAX

Time Series Analysis of Volkswagen Buyout of Porsche

12/2021 – 12/2021

Business Case of Porsche and Volkswagen:

- Analyzed the data leading up to the Volkswagen buyout of Porsche using ARIMA, SARIMAX and GARCH & Forecasted the Diesel Gate Scandal.
- Utilized: Machine Learning- Time Series, ARIMA, Python

Analysis of Adult Data Set

11/2021 – 11/2021

- HyperTuned and Analyzed the dataset to predict if the income of each person will be more or less than a specific value.
- Utilized: Python, GridSearch CV, RandomizedSearchCV, Random Forest, Decision Tree, XGBoost, SVM, Decision Tree