

# SUMATI BHALA

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| Github: <https://github.com/Sbagni?tab=repositories>

## SUMMARY

Multidisciplinary, driven Data Analyst with a passion for condensing large data into a simple to understand story. Adept at working independently and collaborating with teams across multiple functions to take information from a wide variety of sources and effectively break down concepts in layman terms to diverse audiences. Excels at solving complex problems.

## TECHNICAL SKILLS

**Tools:** Advanced Excel, VBA, Python, Pandas, Matplotlib, API request, Web scraping with beautiful soup, HTML, CSS, Bootstrap, JavaScript, Plotly.js, D3.js, Geo-mapping with leaflet, Tableau, Machine learning, Big data, Cloud ETL

**Databases:** SQL, Mongo-DB

## PROJECTS

**Sentimental Analysis with machine learning** | <https://github.com/manoelbritto/MachineLearning-SentimentAnalysis> | <https://ml-tweet-sentiment-analysis.herokuapp.com/> | Built a machine learning model to predict the sentiment of tweets, positive or negative and political or non-political, published for Greta Thunberg.

**Tools:** Python, Pandas, Tweepy, HTML, CSS, Bootstrap, JavaScript, Tableau

**Web visualization: Top 10 Cannabis companies.** | [https://github.com/Levishantz/Project\\_2\\_Cannabis](https://github.com/Levishantz/Project_2_Cannabis) | Managed the front end by creating a web page with interactive graphs of Cannabis companies displaying their sales, revenue, equity, assets and liabilities.

**Tools:** HTML, CSS, Bootstrap, JavaScript, Plotly.js, Leaflet.js

**ETL: Toronto Public Library open datasets** | [https://github.com/NextMeIn/Week-13\\_ETL-Project](https://github.com/NextMeIn/Week-13_ETL-Project) | Extracted data sets from Toronto public library's website. Transformed them into one combined SQL database to run queries and find information on various branches, users and circulation.

**Tools:** Python, Pandas, SQL

## EXPERIENCE

**ESL Teacher, Sprachcaffe GEOS Languages Plus, Toronto**

**June 2018 – Nov 2019**

Taught integrated skills and Canadian culture to 18 year-old students, Created student need-analysis based on their strengths and challenges, Used e-learning platforms to allocate the right placement for each student.

**ESL Teacher, Pathways School, Gurgaon (India)**

**July 2014- December 2016**

Created individual learning continuum for each student. Extensively used quizlet, digital field trips and other apps. Published weekly newsletter with highlights of the week. Mentor teacher during PYP exhibition for 3 years. Helped Grade 5 students to create a website on "wildlife conservation". Conducted a workshop for teachers on "Use of technology in classrooms"

**Curriculum and Course Developer, Doaba College (India)**

**July 2004- January 2010**

Designed and developed undergraduate and post-graduate programs for the college. Started new courses like Bachelors in Electronic Media, BJMC (Bachelors of Journalism and Mass communication).

## EDUCATION

**Certificate UofT SCS Data Analytics Bootcamp**

**November 2019**

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

**Bachelor's Degree with Computer Science and Economics, GNDU, India**

**July 2000**