SUMATI BHALA

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Portfolio: https://sbagni.github.io/Portfolio/

SUMMARY

Analyst with background in Economics and Statistics. Recently graduated from UofT's Data Analytics and Coding Bootcamp and looking for career in data and analytics using best-in-class digital platforms. Numbers -driven and tech savvy individual, diligently working with vast amounts of data sets and curious to provide business analysis. Excellent expertise in identifying data quality issues complemented with strong business and communication skills. Extremely interested in exploring the various ways to traverse the data, resolve data quality gaps and render the findings for equally amazing visualisations. Efficiently clean, categorize, and create dashboards to better understand data. Exceptional problem-solving abilities combined with persistence and patience to collaborate across diverse data analytics teams.

TECHNICAL SKILLS

Python 3: Numpy, Pandas, Matplotlib, Scikit Learn, Flask
Data Engineering: Numpy, Pandas, SQLAlchemy, Psycopg2, Beautiful Soup
Data visualisation: Matplotlib**,** Plotly, D3, Tableau, PowerBI
Machine Learning: Scikit Learn**,** PyTorch**,** Keras**,** NLTK
Databases: PostgreSQL, Mongo-DB
Web Technologies: Flask, API interactions, HTML, CSS, JavaScript (D3, Plotly, Leaflet), Heroku
Cloud computing: Amazon Web Services, Google Cloud Computing, Google Colab
Advanced Excel: VBA Macros, Vlookup, and index/match, What-if Analysis, Pivot Tables

PROJECTS

Sentimental Analysis with machine learning |https://bit.ly/2Lc0C40 **|**https://bit.ly/34IEYMy **|**
- Used advanced analytics, statistical modelling, machine learning and data engineering to build a machine learning model to predict the sentiment of tweets, positive or negative and political or non-political, published for Greta Thunberg.
- Designed and build data visualisation dashboard for purpose of monitoring, understanding, and optimizing twitter data.
- Worked collaboratively with data engineers to develop a deep understanding of the project requirements and objectives.

Tools: Python, TweePy, Scikit Learn, NLP, HTML, CSS, Bootstrap, JavaScript, Tableau

Web visualization: Top 10 Cannabis companies. |http://bit.ly/35TT2Tr |
- Worked on the front end by creating a web page with interactive graphs of Cannabis companies displaying their sales, revenue, equity, assets, and liabilities.
- Lead design and development of reporting and analytics, including data modelling and visualisation.
- Conducted root cause analysis and investigations to report over all performance of companies.
- Proactively searched and identified advanced tools, techniques, and approaches.

Tools: Bootstrap, JavaScript, Plotly.js, Leaflet.js, NVD3

ETL: Toronto Public Library open datasets| http://bit.ly/2sDCVeB |
- Extracted data sets from Toronto public library 's website.
- Did the initial data cleaning for the project.

- Transformed them into one combined SQL database to run queries and to know more about various branches, users, and circulation.
- Collaborated in high-interaction environment and created a presentation to share the findings.
- Established and maintained processes, procedures to create high quality data.
- Devised, analysed, and maintained basic to complex SQL queries to retrieve data across multiple tables and databases.

Tools: Pandas, PostgreSQL

EXPERIENCE

Data Scientist, Firm Prospects   **June 2021-Present**
- Work with data team to replace the existing data pipeline with a new data pipeline.
- Improve the scrapers by writing xpaths to match with the data fields to be scraped.
- Write python scripts for cleaning and validation of data.

Coding Teacher, AdalegIT   **Oct 2021-Present**
- Teach Python coding (online) to Grade 11 and Grade 5.
- Plan and create curriculum for teaching Python to kids.

Instructor (Volunteer), Canada Learning Code   **Feb 2021- Oct 2021**
    Instructor for the following workshops:
- KLC Tackling Cyberbullying with Machine Learning (June 19, 2021)
- GLC coding week on Creating and coding in Cospaces(May 22,2021)
- Teen Ambassador Program on Managing Data with SQL(May 11, 2021)

Data analyst (Volunteer), Catchafire.org   **Feb 2021- Oct 2021**
- Created a data visualisation based on textual data (feedback comments) for Ku-A-Kanaka
- Web development with WordPress for 'Black women stitch'

ESL Teacher, Sprachcaffe GEOS Languages Plus, Toronto   **Jun 2018 – Nov 2019**
- Taught integrated skills and Canadian culture to 18-year-old students.
- Created student need-analysis based on their strengths and challenges.
- Did language assessments to decide the right placement for each student.

Support Staff, Cedarvale Community School, Toronto   **Dec 2017- Present**
- Supervise students to ensure their safety and security during the lunch recess.

EDUCATION

Certificate in Data Analytics, University of Toronto, Canada
Graduate Degree in Computer Science and Economics, GNDU, India

CERTIFICATIONS

Google Analytics for beginners	April 9, 2021
Power BI Essential Training (LinkedIn Learning)	Nov 30, 2020
Tableau Data Scientist (Tableau software)	Nov 18, 2020
AWS Machine Learning Basics (AWS training and certification)	Oct 16,2020
NLP with Python for Machine Learning Essential Training (LinkedIn Learning)	Oct 6, 2020
Advanced SQL for Data Scientist (LinkedIn Learning)	Sep 30, 2020
JavaScript: Classes (LinkedIn Learning)	Sep 22, 2020
JavaScript: Patterns (LinkedIn Learning)	Sep 5, 2020