RITIK SHARMA

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EDUCATION

University of Toronto, Mississauga **2018 – 2022**
B.Sc. in **Applied Statistics**

- Minor concentrations in **Computer Science** and **Geographic Information System**
- **Relevant Coursework:** Software Design, Introduction to Computer Science, Methods of Data Analysis, Probability and Statistics I & II, Statistics with Applied Probability, Bayesian Statistics, Surveys, Sampling, and Observational Data, Spatial Data Science

Coursera **2021**
Google Data Analytics Professional Certification

- Completed a specialization in Data Analytics
- Focused on key analytical skills (**data cleaning**, **analysis**, & **visualization**) and tools (spreadsheets, SQL, R programming, Tableau)
- Visualizing and presenting data findings in dashboards, presentations, and commonly used visualization platforms such as Tableau

TECHNICAL SKILLS

Languages: Python, Java, R, SQL (MySQL and SQLite), HTML/CSS/JavaScript
Technologies: Tableau, VS Code, MySQL, Git, Jupyter Notebook, Microsoft Excel

PROJECTS

Bellabeat Case Study- A detailed Data Analysis Project

- Used a public dataset retrieved from Kaggle to find key insights from data
- Cleaned and formatted the data
- Analyzed data to find key insights including relationships between several variables
- Visualized findings of analysis using "tidyverse" and "ggplot2" packages in R
- Presented analysis in format that was easy for primary stakeholders to understand

Term Project- Course Research Project (STA304: Surveys, Sampling, and Observational Data)

- Investigated whether COVID-19 made a difference in the mean number of courses students are enrolled in
- Created a survey, collected data, and analyzed the data
- Built two simple **linear regression models** and performed **hypothesis testing**
- Wrote formal data analysis report including technical report

Taxi Service- Taxi Map Visualizer

- Leveraged **Pygame** to create a visualizer that **maps all rides** made across a certain region and plots it on a map
- Extensively used **Recursion** and **OOP Concepts** like composition, inheritance, encapsulation, abstraction, and polymorphism