Ritik Sharma

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SUMMARY

A fourth-year student at the University of Toronto pursuing a major in Applied Statistics with double minor concentrations in Computer Science and Geographic Information Systems. I am an innovative and driven data analyst who has experience analyzing big data, building algorithms, and statistical modeling. My interests include big data analysis, data science, and machine learning.

EDUCATION

University of Toronto — Mississauga, ON
B.Sc in Applied Statistics — Expected Apr 2022
Minor concentrations in Computer Science and Geographic Information Systems

Relevant Coursework:Methods of Data Analysis, Design and Analysis of Experiments,Statistical Methods for Machine Learning I, Software Design, Probability and Statistics I & II, Statistics with Applied Probability, Introduction to Machine Learning, Surveys, Sampling and Observational Data, Geographic Information Analysis and Processing, Spatial Data Science I & II

Google — Coursera
Specialization in Data Analytics covering the entire scope of the data analysis process including
Prepare, Process, Analyze, Share, & Act

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

SKILLS

Programming: Python, R, SQL, Java, JavaScript, HTML/CSS
Technologies: Tableau, RStudio, ArcGIS Pro, ArcGIS Desktop, VSCode, MySQL, Google Cloud Platform, Git, Jupyter Notebook, Microsoft Excel
Libraries: BeautifulSoup, Numpy, Pandas, SciKit Learn, TensorFlow, Tidyverse, ggplot2

PROJECTS

Bellabeat Case Study - A detailed Data Analysis Project | RStudio
- Performed **data cleaning** techniques to obtain a refined and processed dataset containing Fitbit data
- Recognized key trends in the data which helped answer stakeholder questions
- Visualized findings of analysis using **tidyverse** and **ggplot2** packages in **R**

FIFA Club Analysis | MySQL, Tableau
- Remodeled a FIFA game dataset from **Kaggle** to analyze club performances across the season
- Leveraged **join** queries to efficiently gather relevant data from multiple tables
- Developed dashboards on **Tableau** to help visualize the analysis

Toronto Airbnb Analysis | RStudio
- Collected data from Airbnb to perform both descriptive and spatial analysis
- Based on a hypothetical situation, discovered the perfect Airbnb that aligned with several constraints
- Designed and developed an interactive map of Toronto displaying Airbnb and art gallery options using R libraries like **leaflet** and **geojsonio**

Research Project (STA304: Surveys, Sampling and Observational Data) | RStudio, Google Forms
- Investigated whether COVID-19 had an impact on the number of courses a student took in Fall 2020
- Collected data through survey and performed analysis
- Built two **linear regression models** and performed **hypothesis testing**
- Wrote formal data analysis report including technical report