Ritik Sharma

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Education

University of Toronto **Sep 2018 – Apr 2022**
*Bachelor of Science in **Applied Statistics**, Dual minor in **Computer Science** and **GIS*** *Mississauga, ON*

Google **May 2021 – Sep 2021**
Data Analytics Professional Certificate *Coursera*

- Focused on key analytical skills (data cleaning, analysis, & visualization) and tools (spreadsheets, SQL, R, Tableau)
- Visualizing and presenting data findings in dashboards, presentations, and platforms such as Tableau

Relevant Coursework

- Methods of Data Analysis
- Software Design
- Statistical Methods for Machine Learning I
- Spatial Data Science
- Introduction to Machine Learning
- Design and Analysis of Experiments

Technical Skills

Software: Python, R, SQL(MySQL, PostgreSQL), Java, Tableau, ArcGIS Pro, ArcGIS Desktop, Microsoft Excel, Git, RStudio, HTML/CSS
Libraries: Numpy, Pandas, Scikit-learn, Seaborn, TensorFlow, Tidyverse, ggplot2
Machine Learning: Classification, Regression, Clustering, Feature engineering, Dimensional reduction techniques
Data Analysis: Cleaning, Exploratory Data Analysis, Manipulation, Scraping, Visualization

Work Experience

Matterverse **Oct 2021 – Dec 2021**
Data Analyst Intern *Toronto, ON*

- Developed insightful analytics and intelligence for business team by collaborating with stakeholders to meet strategic objectives
- Collaborated with the Business Intelligence team to produce documentation for data sources, data models and KPI definitions
- Accelerated product marketing targets by automating tasks using Python scripts
- Designed and monitored KPI dashboards of user data on Tableau

Projects

Washington House Price Prediction | *Python, Pandas, Seaborn, Scikit-Learn* **Dec 2021**

- Predicted the price of house listings using linear regression, lasso regression, random forest, and Xgboost algorithms.
- Performed data cleaning, aggregation, and EDA using pandas and numpy, visualization using seaborn and matplotlib, and model building using scikit-learn
- Generated a training accuracy of 0.93 and a testing accuracy of 0.79 with 10-fold cross validation

Ocular Disease Intelligent Recognition | *Python, TensorFlow, Pandas, Jupyter* **Nov 2021**

- Performed image pre-processing on dataset consisting of 5000 colour fundus photographs of human eyes
- Created convolutional neural network (CNN) based model using VGG19 architecture to detect Glaucoma
- Generated a validation accuracy of 0.87 and a testing accuracy of 0.88

Bellabeat Case Study - A detailed data analysis project | *RStudio* **Aug 2021**

- 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

Toronto Airbnb Analysis | *RStudio* **June 2021**

- 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