

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

## 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, A/B Testing, ETL

## Work Experience

### PeopleInsight Workforce Analytics

Feb 2022 – Present

Data Analyst

Toronto, ON

- Connecting multiple data sources, warehouse data and validating results
- Responsible for analyzing and validating HR data
- Automated 100% of testing using SQL scripts for end to end testing with automated reporting
- Perform ad-hoc queries depending on client's need to solve business problems

### 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 3 weeks by automating over 90% of 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