

# Akshat Thakur

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## Experience

**Data Analyst** - October 2022 to Present

*UBC Development & Alumni Engagement*

- Planned and consulted for complex quantitative research initiatives that identify prospective donors, determine trends, forecast growth opportunities and provide strategic understanding of patterns in alumni and donor behavior.
- Provided statistical data analysis using regression analysis, time series analysis, predictive modeling and segmentation, machine learning algorithms, text analysis, and spatial analysis.
- Developed and designed dashboards, statistical reports, methodologies and standards.
- Extracted, cleaned, transformed, and synthesized structured and unstructured internal and external data.
- Researched and developed current and emerging trends in philanthropy, alumni engagement, higher education and complex data analysis while liaising and collaborating with other departments and universities.
- Technologies/tools used: Python, R, SQL (SSMS), Tableau

**Data Analyst** - January 2022 to September 2022

*Klue*

- Performed research, collected and analyzed medium and large datasets regarding customer engagement and satisfaction, trends, and product features.
- Worked on data validation for existing sources, scoped out and handled quality checks for new potential data sources and data providers.
- Identified product issues and bugs, brainstormed solutions at scale, and provided reports and insights to assist in product development, customer success strategies, and increased customer adoption, retention, and expansion.
- Technologies/tools used: R, Python, BigQuery (SQL), dbt, and Kibana (Elasticsearch)

**Student Data Analyst** - September 2021 to April 2022

*UBC Center for Student Involvement & Careers + UBC Student Experience Evaluation & Research*

- Prepared data for surveys essential to informing subsequent departmental programming.
- Conducted descriptive, inferential, and multivariate data analysis by running various statistical scenarios in response to articulated questions of interest from core units.
- Had end-to-end ownership of two projects involving significant data preparation, data manipulation, quantitative analysis, statistical modeling, NLP and text analysis, survey data management and statistical analysis
- Effectively communicated data analysis results to various stakeholders and departments via impactful reports and visualizations.
- Technologies/tools used: R, Python, SQL (SSMS), Microsoft Excel

**Undergraduate Teaching Assistant** - September 2019 to April 2020

*UBC Department of Computer Science*

- Taught for Introduction to Systematic Program Design (systematic problem solving with Python) and discussed numerous important computer science fundamentals such as code reviews, debugging, data structures, designing functions and programs, and data visualization.

**Web Developer + Digital Marketing Consultant** - April 2018 to January 2019

*Travel Tales*

- Provided digital solutions for a small Travel and Tourism business with no prior web presence.
- Developed a website including e-commerce capability, specialized scripts, and RESTful web-apps.
- Built, implemented, and updated effective SEO and advertising strategies on a limited budget, increased outreach and viewership by 70%, and obtained 20 additional customers.
- Technologies/tools used: Java, JavaScript, HTML, CSS, Git, Figma, Google Analytics, Google Adwords, Facebook Ads

## Skills

**Data Science and Analysis** - R (tidyverse, ggplot2, dplyr, tidyr, caret), Python (Pandas, NumPy, SciPy, tensorflow, PyTorch, scikit-learn), SQL, BigQuery, Google Data Studio, Tableau, dbt, PowerBI, Jupyter Lab/Notebooks, Google Colab, Kibana (Elasticsearch), Pendo, Microsoft Excel

**Web/Software Engineering** - Java, JavaScript/TypeScript, Vue, React, HTML, CSS, Mocha/Chai, APIs

**Other Relevant Skills** - Git/GitHub, Googling, Communication, Leadership, Creative Problem Solving

## Education

Bachelor of Science: **Statistics** (with a thematic concentration in **Computer Science**) - 2017 to 2021

**University of British Columbia, Vancouver**

- Awarded the prestigious *International Merit Entrance Scholarship*
- Recipient of the *Outstanding International Student* award