

Akshat Thakur

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Experience

Chief Data Scientist - November 2022 to Present

Green City Data (early-stage startup)

- Designed and implemented end-to-end data pipelines to collect, clean, and process large datasets from various sources, including sensors, devices, and public data sources.
- Used statistical analysis and machine learning techniques to identify patterns and insights in the data, and developed predictive models to forecast emissions trends and identify potential climate risks.
- Instrumental in the development of a real-time emissions monitoring and analytics platform designed for municipalities and corporations.
- Contributed to the product design and development process, providing input on the user experience and ensuring that the product meets the needs of the target audience.
- Continuously improved the accuracy and reliability of the data outputs, resulting in a 75% reduction in data errors and inaccuracies found in present prominent emissions estimates.

Data Analyst - October 2022 to Present

UBC Development & Alumni Engagement

- Planned and executed complex quantitative research initiatives that identify prospective donors, determine trends, forecast growth opportunities and provide strategic understanding of patterns in alumni and donor behavior.
- Utilized advanced machine learning and statistical analysis techniques such as regression analysis, time series analysis, cutting-edge predictive modeling and segmentation algorithms, text analysis, and spatial analysis to uncover key insights and trends in donor behavior.
- Developed and designed interactive dashboards, statistical reports, methodologies and standards, resulting in improved decision-making and increased efficiency for various business units.
- Extracted, cleaned, transformed, and synthesized structured and unstructured internal and external data, reducing analysis time by 55%.

Data Analyst - January 2022 to September 2022

Klue

- Collected and analyzed medium and large datasets and provided reports and insights to improve customer engagement and satisfaction, identify and fix product bugs and shortcomings, increasing customer retention and expansion by 32% and boosting team ARR to 155%.
- Conducted extensive data validation for existing and new sources and providers, leading to a 34% improvement in data accuracy.
- Successfully consulted and strategized to scale up processes, data operations and requirements.
- Awarded 'Owning the Solution' for being an internal and external expert on product features, leading training new-hires and onboarding specialists, and resolving client escalations.

Student Data Analyst - September 2021 to April 2022

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

- Prepared essential survey data, bolstering departmental programming effectiveness by 20% over two terms.
- Conducted descriptive, inferential, and multivariate data analysis by running various statistical scenarios in response to articulated questions of interest from core units, supporting stakeholder decision-making and sentiment.
- Had end-to-end ownership of multiple 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 directors and departments via impactful reports and visualizations, with 100% approval and an increase in understanding and implementation of data-driven decisions.

Skills

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

Web/Software Engineering - Java, JavaScript/TypeScript, Vue, React, HTML, CSS, Mocha/Chai, APIs, Google Analytics, Adwords, Facebook Ads

Other Relevant Skills - Git/GitHub, Confluence, Googling, Communication, Leadership, Figma, 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* (\$64,000)
- Recipient of the *Outstanding International Student* award (\$16,000)
- **Leadership and Extra-curriculars** - Graphic and Architectural Design Club (President), Jam for Justice (VP Communications), Data Science Club (Member), Turing Club (Member), Blank Vinyl Project (Member, Musician)