

AKSHAT THAKUR

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PROFESSIONAL EXPERIENCE

Green City Data, Vancouver • Lead Data Scientist

November 2022 - Present

- o Designed and implemented end-to-end data pipelines to collect, clean, and process large datasets from various sources, including sensors, devices, traffic cameras, and public data sources.
- o Used statistical analysis, computer vision, and machine learning techniques to identify patterns and insights in the data and develop predictive models to forecast emissions trends and identify potential climate risks.
- o Instrumental in the development of a real-time emissions monitoring and analytics platform.
- o 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.

The University of British Columbia, Vancouver • Data Analyst

October 2022 - Present

- o Utilized advanced machine learning and statistical analysis techniques such as regression, time series, cutting-edge predictive modeling, segmentation algorithms, and more to uncover key insights and trends in donor behavior.
- o Developed and designed award-winning dashboards, statistical reports, methodologies and standards, resulting in improved decision-making and increased efficiency for several portfolio-wide business units and teams.
- o Extracted, cleaned, transformed, and synthesized structured and unstructured data, optimizing analysis time by 55%.

Klue, Vancouver • Data Analyst

January 2022 - September 2022

- o 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%.
- o Consulted and strategized to scale up processes, conducted extensive data validation for existing and new sources and providers.

The University of British Columbia, Vancouver • Student Data Analyst

September 2021 - April 2022

- o Conducted descriptive, inferential, and multivariate data analysis, supporting stakeholder decision-making and sentiment.
- o Had end-to-end ownership of multiple projects involving significant data preparation, data manipulation, quantitative analysis, statistical modeling, natural language processing and text analysis, survey data management and statistical analysis.
- o 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 / Data 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**, **Snowflake**, **Azure**, **GCP**, Microsoft Excel

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

Other Relevant Skills Git/GitHub, Confluence, Googling, Communication, Leadership, Figma, Creative Problem Solving

EDUCATION

*The University of British Columbia, Vancouver • **BSc. Statistics** (Computer Science concentration)*

2017 - 2021

- o Awarded the prestigious International Merit Entrance Scholarship (\$64,000)
- o Recipient of the Outstanding International Student award (\$16,000)
- o **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)