AKSHAT THAKUR

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PROFESSIONAL EXPERIENCE

Green City Data, *Vancouver • Lead Data Scientist*   *November 2022 - Present*

- o Designed and executed end-to-end data pipelines, integrating data from diverse sources, including sensors, devices, traffic cameras, and public repositories.
- o Utilized statistical analysis, computer vision, and machine learning to unearth patterns and insights, crafting predictive models for emissions forecasting and climate risk assessment.
- o Played a pivotal role in developing a real-time emissions monitoring and analytics platform.
- o Significantly enhanced the accuracy and reliability of data outputs, leading to a remarkable 75% reduction in data errors compared to existing prominent emissions estimates.

The University of British Columbia, *Vancouver • Data Analyst*   *October 2022 - Present*

- o Leveraged advanced machine learning and statistical analysis techniques like regression, time series, cutting-edge predictive modeling, and segmentation algorithms to reveal critical insights into donor behavior.
- o Designed award-winning dashboards, statistical reports, methodologies, and standards, enhancing decision-making and efficiency across four business units and portfolio-wide initiatives.
- o Expertly extracted, cleaned, transformed, and synthesized structured and unstructured data, optimizing analysis time by 55%.

Klue, *Vancouver • Data Analyst*   *January 2022 - September 2022*

- o Gathered and analyzed medium to large datasets, providing valuable reports and insights to improve customer engagement and satisfaction, address product issues, and achieve a 32% increase in customer retention and 155% ARR.
- o Consulted and formulated strategies for process scalability while performing rigorous 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, facilitating stakeholder decision-making and sentiment.
- o Owned multiple projects from end to end, involving extensive survey data preparation, manipulation, quantitative analysis, statistical modeling, natural language processing, and text analysis.
- o Effectively communicated data analysis results through impactful reports and visualizations, achieving 100% approval and fostering better 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)