

Akshat Thakur

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SKILLS

- **Data Science:** R, Python (Pandas, NumPy, SciPy, tensorflow, PyTorch, scikit-learn, keras, SpaCy), SQL, Generative AI, LLMs, BigQuery, Google Data Studio, dbt, Tableau, PowerBI, Looker, Jupyter Lab / Notebooks, Colab, Kibana, AWS, Docker, Snowflake, Azure, GCP, Microsoft Excel
- **Software Engineering:** Java, JavaScript/TypeScript, Vue, React, HTML, CSS, Mocha / Chai, APIs, Google Analytics, Facebook Ads

EXPERIENCE

The University of British Columbia

Vancouver, BC

Data Analyst (Python, R, SQL, Snowflake, Tableau, Llama, Ollama, HuggingFace)

Oct 2022 – Current

- Leveraged advanced machine learning and statistical analysis to reveal critical insights into donor and alumni behavior.
- Designed award-winning dashboards and statistical reports, improving decision making and operational efficiency across business units.
- Developed an advanced AI chatbot leveraging Retrieval-Augmented Generation (RAG) and Large Language Models (LLMs) with open-source tools.
- Automated ETL pipelines for data extraction, transformation, and synthesis, reducing analysis time by 175%.
- **Technical Team Lead:** Led the data analytics team as interim technical manager, overseeing project delivery and stakeholder engagement. Spearheaded 7 key analytics initiatives. Managed cross-functional meetings. Improved workflow processes with version control, cloud migration, and IDE consolidation.

Green City Data

Vancouver, BC

Lead Data Scientist (Python, SQL, AWS, PowerBI)

Nov 2022 – Nov 2024

- Designed and deployed end-to-end data pipelines, integrating sensor, device, and public datasets for climate impact analysis.
- Built computer vision models for emissions detection and time-series forecasting models for climate risk assessment.
- Automated big data workflows using Python and SQL, boosting processing time by 60%.
- Created interactive PowerBI dashboards for real-time emissions monitoring, enabling data-driven policy decisions.

Klue

Vancouver, BC

Data Analyst (SQL, Python, R, Google Data Studio, BigQuery, ElasticSearch)

Jan 2022 – Sep 2022

- Designed, gathered and analyzed medium to large datasets and developed customer segmentation models, improving retention by 32% and increasing ARR by 155%.
- Consulted for and formulated product and business intelligence workflow strategies for scalability.
- Performed rigorous data validation for existing and new data sources and providers.
- Received 'Owning the Solution' award for being the organization's expert for optimizing and developing key features.
- Created and automated interactive dashboards and visualizations to support business intelligence initiatives.

EDUCATION

The University of British Columbia

Date Attended: 2017 - 2021

BSc. Statistics (Computer Science concentration)

Key Courses: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Database Management Systems, Data Mining, Statistical Computing, Programming in Python/R