

Varinder Singh

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Summary

Data Science undergraduate with experience in analytics-driven product operations, BI tooling, and cross-functional systems development. Skilled in Python, R, SQL, Power BI, Tableau, and data visualization with experience translating operational and customer data into business insights and process improvements.

Education

Simon Fraser University — Bachelor of Science in Data Science Apr 2026

- Hackathons: SFU DSSS HackML2026
- Relevant Coursework: Statistical Modeling, Business Analytics, Data Structures & Algorithms, Database Systems, Artificial Intelligence, Data Analysis

Udemy — SQL and Databases Bootcamp Certificate May 2021

Experience

Senior Manager, Product — mobi, Vancouver, BC Sept 2018 – Oct 2025

- Collaborated with engineering and design teams to launch a self-serve mobile application, improving onboarding and account management workflows.
- Built a customized CRM interface using Retool and SuiteCRM to streamline workflows, simplify CRM logic, and improve role-based operational access.
- Led integration initiatives involving TAP record processing, usage rating, and billing systems to support scalable backend operations and billing accuracy.
- Evaluated data warehouse architectures, ETL tooling, and BI platforms to support reporting pipelines and operational analytics initiatives.
- Analyzed operational and customer usage data to support product optimization and improve internal decision-making processes.
- Partnered with technical teams to define KPI reporting requirements and customer operations workflows.
- Led an NPS-driven customer feedback initiative that increased NPS by 19 points within one year and 49 points overall through product and process improvements.
- Coordinated beta testing and QA workflows for a new network launch, identifying operational issues and improving release readiness.

Projects

Healthcare Sustainability Analytics Project

- Analyzed energy consumption, emissions, and operational datasets using Power BI to develop dashboards and scenario-based sustainability models.
- Researched EV fleet transition and sensor deployment strategies to support operational sustainability planning and decision-making.
- Simulated operational datasets in R using scenario-based modeling techniques to estimate approximately 10.47k MWh/year energy savings, \$1.47M annual cost reductions, and 158 tCO₂e/year emissions reduction.

Technical Skills

Programming Languages: Python, R, SQL, C, C++, HTML, CSS, JavaScript

Tools & Platforms: Power BI, Tableau, Looker, Snowflake, Jupyter Notebook, RStudio, Docker, Git/GitHub, Excel, Retool, VS Code, Google Workspace, JIRA, Asana, Slack