

MAULIK RAVAL

Regina, Saskatchewan, Canada

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Profile Summary

Project Controls-oriented Reporting & Data Analyst with 2.5+ years delivering end-to-end, contract-ready reporting—from schema design and ETL to Power BI digital reports (DAX, measures), validation, monitoring, and variance analysis. Skilled in multi-stakeholder data sourcing, conformance review, and trend/outlier analysis. Currently advancing through an MSc in Computer Science (Data Science). Eager to apply analytical expertise and business insight to drive data-backed decisions, optimize operational performance, and improve system-level efficiency. [Portfolio](#)

Experience

Teaching Assistant & Tutor – Computer Science and Mathematics Departments

University of Regina

Mar 2025 – Present

- Centralized issue and quality control for 100+ Python/SQL users, resolving most cases independently and escalating non-standard issues with clear diagnostics and root-cause summaries.
- Enhanced accuracy and turnaround by 35% by designing standardized validation scripts, review templates, and quality checklists, embedding repeatable controls into the workflow.
- Communicated and presented data insights effectively to diverse audiences, ensuring clarity and actionable outcomes.

Data Scientist

Enlighten Infosystems

Jan 2024 – Sep 2024

- Delivered end-to-end ETL and reporting workflows on AWS and SQL, reducing preparation effort by 30% by converting inconsistent source feeds into governed datasets.
- Built Power BI digital reports with automated refresh, validation, and variance checks, cutting manual reporting effort by 40% and improving reliability and management confidence.
- Performed schedule-aligned variance checks between data refresh cycles, expected delivery timelines, and reported KPIs, flagging delays and anomalies early to support corrective action and reliable reporting.

Python Developer (Intern)

Brainy Beam Technologies Pvt. Ltd.

Jul 2023 – Jan 2024

- Architected relational reporting schemas and controlled access patterns, establishing a single source of truth and improving auditability across teams.
- Eliminated 90%+ of reporting discrepancies by implementing multi-stage QA, reconciliation checks, and runbooks.
- Enhanced data integrity and reliability, resulting in improved decision-making and operational efficiency.

Education

MSc. in Computer Science (Data Science)

University of Regina, **Grade: 88.75/100**

Regina, Canada

BTech. in Computer Science Engineering

Gujarat Technological University, **Grade: 87/100**

Gujarat, India

Skill Summary

Reporting & Controls: Power BI (DAX, measures), Excel; digital project reporting, KPIs, variance and trend analysis.

Data & Automation: SQL (MySQL, PostgreSQL), Python ETL; automated pipelines, governed datasets, reliable refresh.

Quality & Governance: Validation rules, reconciliation, runbooks; contract-ready, auditable reporting.

Analysis & Stakeholders: EDA, outliers, root-cause analysis; clear communication across technical and non-technical teams.

Projects

Traffic Accident Severity Analytics - Designed AWS-based ETL and validation pipelines for 7.7M+ records, automating quality checks, monitoring, and refresh so safety dashboards consistently delivered clean, timely, decision-ready reporting.

HR & Sales Performance Analytics - Built SQL/Python data models and Power BI reports with standardized definitions and QA rules, reducing manual reporting by 40% and accelerating management decision cycles.

House Price Prediction System - Developed end-to-end analytical pipelines (Python, SQL) with feature engineering and validation, supporting scalable modeling and stakeholder-facing dashboards for reliable, interpretable insights.

Certifications

- Data Science Tools — IBM** (Reporting, analytics platforms, applied data workflows)
- IBM Cloud Essentials — IBM** (Cloud fundamentals, data and reporting environments)
- Career Essentials in Data Analysis — Microsoft & LinkedIn** (Business reporting, stakeholder communication)
- Presentation Skills — University of Regina** (Executive and management-facing communication)