

# Vedanshi Patel

DATA ANALYST – SQL, Data Visualization, Analytical & Problem-Solving Skills

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## SKILLS

- **Programming Languages & Frameworks:** SQL, Python, R, JavaScript, MATLAB, Pandas, NumPy, Matplotlib.
- **Database Management:** MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, SQLite, and Oracle.
- **Visualization & Reporting Tools:** Tableau, Power BI, Microsoft Visio, Excel, and Jupyter Notebook.
- **Analytical & Troubleshooting:** Interpreting complex data, analyzing trends, implementing data-driven solutions.

## WORK EXPERIENCE

### Quality Assurance Analyst

January 2023 – December 2024

*Axis Sorting Inc.*

*Guelph*

- Conducted 200+ daily inspections, ensuring 98% compliance with industry standards.
- Interpreted inspection data to anticipate quality issues, improve operations by 25% and ensure smooth product release processes.
- Maintained and documented 10,000+ test records, achieving 100% regulatory adherence.
- Calibrated 50+ inspection tools weekly, boosting measurement accuracy by 20% and ensuring compliance with quality control standards.
- Discovered data trends using statistical process control, reducing defects 25% and identifying areas for process improvement.
- Executed sustainable practices through six Sigma methodologies, contributing to operational cost savings.

## PROJECT EXPERIENCE

### End-to-End Analytics Project - Cyclistic Bike Share [Deployed Link](#)

- Analyzed 12 months of bike-share data ( 400K+ records) to uncover ride patterns by user type; built interactive Tableau dashboards that highlight a 30% higher average ride duration among casual riders vs. members.
- Cleaned and processed 100% of the data set entries to ensure data integrity and crafted 4 + charts together with a customized Tableau dashboard to visualize key takeaways.
- Developed an end-to-end analytics project, performing data wrangling in Power Query, and delivering a professional case study with 3 strategic recommendations.

### Tableau - EV Data Analysis [Deployed Link](#)

- Evaluated more than 5,000 data points from electric vehicle sales since 2010, enhancing the precision of market trends forecasting by 15% through the application of time series analysis and regression modeling techniques.
- Engineered 12+ reports tracking EV infrastructure deployment and charging station utilization; empowered senior leadership to reallocate resources, improving charging station availability by 20% within six months.
- Recognized the best-performing electric vehicle models and emerging trends, leading to a 5% increase in the adoption rates of electric vehicles by informing policy and infrastructure investments through market segmentation, clustering techniques and trend analysis.

### SQL - Music Data Analysis for Spotify [Deployed Link](#)

- Monitored a relational music playlist dataset with SQL, answering 10+ business-critical queries using data extraction, ETL techniques, data warehousing, resulting in a 20% improvement in user trend visibility.
- Identified top 50 artists and genre preferences across 30+ cities through geospatial analysis and demographic segmentation, enabling personalized recommendations and event planning that increased user retention by 18%.
- Delivered 15+ actionable insights via complex SQL queries using JOINS, aggregation, and filtering across normalized tables, meeting 100% of SLA timelines through query optimization, indexing, and anomaly detection.

### Power BI - Meesho E-commerce Sales Dashboard [Deployed Link](#)

- Created an interactive Power BI visual interface for Meesho's eCommerce data, improving reporting by 20% through data visualization, DAX functions, drill-down features, row-level security, KPI indicators, and data connectors.
- Implemented custom visualizations and user-driven parameters using slicers, bookmarks, Power Query, calculated columns, and custom measures, reducing data retrieval time by 30% and enhancing stakeholder decision-making.
- Transformed advanced data modeling, star schema design, relationship management, data transformation, fact-dimension tables to identify key business findings, 15% increase in revenue by optimizing product category performance tracking.

## EDUCATION

### Postgraduate Diploma in Information Technology Business Analysis

May 2022– August 2023

*Conestoga College, Kitchener*

### Bachelor of Engineering in Information Technology

July 2017– May 2021

*Gujarat Technological University, India*

## CERTIFICATIONS

- Google Data Analytics Professional Certificate