

Sanket Kothiya

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Summary

Data Analyst with 2 years of experience analyzing complex datasets to drive business insights and decision-making. Skilled in SQL, Python, and data visualization tools, including Power BI, Streamlit, and Excel. Strong expertise in data cleaning, transformation, and building dashboards to improve reporting efficiency. Proven ability to optimize data processes, identify trends, and deliver actionable insights in Agile environments.

Technical Skills

- **Programming Languages:** Python, R, JavaScript, TypeScript
- **Data Analytics & Visualization:** Power BI, Excel (VBA, Macros), Google Analytics, Matplotlib, Seaborn, DAX
- **Python Libraries:** Pandas, NumPy, Streamlit, Scikit-learn
- **Database Management:** PostgreSQL, MySQL, MS SQL Server, MongoDB, ETL Pipelines, Data Modeling, Data Validation
- **Cloud & DevOps:** AWS, Microsoft Azure, Google Cloud Platform, Firebase, GitHub CI/CD, JIRA, Microsoft Fabric
- **Soft Skills:** Stakeholder Communication, Cross-functional Collaboration, Technical Documentation

Professional Experience

Jaguar Land Rover

May 2025 - Aug 2025

(Industry Collaboration — University of Windsor)

Windsor, ON

- Partnered with the Semiconductor Modeling & Performance Evaluation team, using Python and PostgreSQL, to build an end-to-end AI benchmarking platform that enabled faster evaluation of GPU performance for stakeholders.
- Designed a normalized PostgreSQL database of 8 interconnected tables storing 2,100+ GPU records and 53 engineered features, improving query performance and supporting downstream analytics
- Built a Streamlit dashboard that provides real-time GPU benchmark analysis, cost-optimization insights, and performance comparison across vendors, allowing stakeholders to identify cost-saving opportunities within hours
- Engineered an end-to-end ETL pipeline integrating heterogeneous data sources into a unified benchmarking schema, cutting manual data preparation.

LiveField

Sep 2022 - Mar 2024

Data Analyst

Surat, India

- Analyzed structured and unstructured data with SQL queries and Python (pandas, NumPy) to streamline workflows, which highlighted key business drivers and helped the team make faster operational decisions
- Built interactive Power BI dashboards and reports, improving visibility into key business metrics and stakeholder reporting for decision-making.
- Implemented data validation and quality checks, reducing errors and maintaining data integrity across multiple systems.
- Built reusable data models and reporting templates, increasing efficiency and reducing redundancy in recurring analysis tasks.

Projects

HR Workforce Attrition Analysis

- Developed an HR analytics dashboard analyzing attrition across 1,470 employees in Power BI and Excel, enabling clear KPI tracking and retention decisions.
- Analyzed attrition using DAX across department, job role, age group, and tenure, surfacing a 16.12% overall attrition rate.
- Engineered 8+ DAX KPI measures (attrition rate, active headcount, age-band segmentation) with slicers for filtering by education, gender, and department.
- Implemented data validation and segmentation logic across all dashboard views to ensure reporting accuracy.
- Tools: MS-SQL Server, Power BI, Excel, DAX

Automated Credit Approval System (CrediWise)

University of Windsor / TD Bank

- Performed end-to-end business analysis for credit decisioning; gathered stakeholder requirements and defined measurable KPIs for model development.
- Analyzed large financial datasets with Python, SQL, and Excel to surface approval trends and key risk factors informing model design.
- Ran A/B tests within an Agile (Scrum) workflow, lifting form completion rates by 28%..
- Tools: Python, SQL, Excel, Scikit-learn, Power BI

Education

University of Windsor

May 2024 - Aug 2025

Master of Applied Computing

Windsor, ON

A.D. Patel Institute of Technology

May 2018 - May 2022

Bachelor of Technology, Computer Engineering

India