

Lokesh Bollini

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Summary

Results-driven Data Analyst with 5+ years of experience transforming complex datasets into actionable business strategies using SQL, Python, and BI tools to drive data-informed decisions. Expertise spans ETL, predictive modeling, dashboarding, and stakeholder communication, delivering measurable outcomes like \$90M+ fraud reduction and significant operational efficiencies.

Work Experience

Research Analyst | University at Buffalo

September 2024 - Present

- Executed in-depth analysis of 25+ research papers on LLM ethics and generative AI, employing hypothesis-driven frameworks to identify strategic technology trends and business implications.
- Presented actionable insights in weekly reports and meetings to inform the university's business and technology initiatives.

Data Analyst Intern | Third Estate Analytics

February 2024 - May 2024

- Engineered ETL workflow using Python (Pandas) to extract, clean, and merge disparate city datasets (assessments, 311 calls, court records), creating a centralized data repository.
- Developed Tableau dashboards to visualize and categorize property risk levels, reducing strategic decision-making time by 55%.
- Collaborated with stakeholders to define data requirements, documented in Confluence—ensuring ad-hoc report requests.

Business Operations Specialist | Amazon

February 2021 - May 2023

- Analyzed large-scale seller and transaction data using AWS Redshift and AWS QuickSight to identify performance outliers, contributing to a 26% reduction in fraudulent transactions (\$90M+ brand revenue protected)
- Reduced high-risk seller abuse rates from 3.2% to 1% by optimizing complex SQL query performance (refining joins, indexing, and triggers) in AWS Redshift and implementing proactive monitoring thresholds, significantly enhancing platform integrity.
- Automated critical KPI reporting using Excel VBA and pivot tables, reducing manual preparation cycles by 44% (14→8 min) and empowering stakeholders with timely access to business insights for frequent ad-hoc analyses.
- Performed trend analysis across 5M+ sellers and 25K+ product categories using SQL, generating insights presented to leadership that guided SOP changes leading to a 30% decrease in brand infringement cases.

Business Analyst | Yantai Eddie Co. Ltd.

September 2019 - September 2020

- Drove 24% revenue growth by developing data-driven pricing frameworks derived from quantitative analysis of market trends, competitor actions, and internal sales data.
- Built interactive Tableau dashboards for analyzing post-sales KPIs (e.g., customer retention, product performance) and financial metrics, enabling 35% faster identification of trends and decision-making.

Business Analyst | Inch Factory

October 2018 - May 2019

- Enhanced brand performance visibility by extracting sales data using SQL and integrating it with customer buying patterns in Excel (Pivot Tables, VLOOKUP), identifying key promotional opportunities that increased average weekly sales by 10%.
- Built Power BI dashboards tracking sales KPIs—reducing reporting lag by 18% and enabling seamless collaboration within teams.
- Developed Power BI dashboards tracking core sales KPIs, reducing reporting lag by 18% and cross-functional team collaboration.

Education

University at Buffalo, The State University of New York | Buffalo, NY

June 2023 - June 2024

Master of Science (MSc), Management Information Systems (GPA: 3.93/4.00)

Projects

- **Retail Data Warehouse Optimization** (SQL, Oracle DB, Talend, Tableau): Developed an end to end data pipeline design on Oracle Cloud, automating ETL processes for sales data with Talend and integrating Tableau for BI visualizations.
- **End-to-End Spotify Listening Analysis Pipeline & Dashboard (AWS, Airflow)**: Engineered a serverless data pipeline on AWS (S3, Redshift) with Apache Airflow (Docker) for ETL orchestration; developed Streamlit dashboard visualizing patterns.
- **Business Case Study - sustAIn**: Developed a comprehensive business plan and financial model for a mobile application, including market analysis and MVP definition. [Link to Case Study](#)

Skills

Data Analysis & BI : SQL, t-SQL, Python (Pandas), Statistical Modeling, Tableau, Power BI, AWS QuickSight, Business Intelligence (BI)

Data Warehousing & ETL: Snowflake, Apache Airflow, SSIS, Talend, Data Modeling (Star Schema, Snowflake), Alteryx

Cloud Technologies: AWS (EC2, S3, Glue, QuickSight, Redshift), Oracle Cloud

Tools & Methodologies: Jira, Agile/Scrum, Git, Excel (Power Pivot, VBA), SAS Programming, SAS Enterprise Miner

Certifications: Google Data Analytics - [Google](#); Snowflake (Data Warehouse) - [Snowflake](#); Google Analytics 4a

Research Publication

Modernizing Legacy Systems (Oct 2023) – Research publication focusing on data governance and SOX compliance for data migrations.

Leadership and Awards

- New York Business Plan Competition (NYBPC) State Finalist (Led a team of 4).
- Amazon Spot Award for process improvement and efficiency gains.