

# AKSHAY JAIN

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## Summary

Data Analyst with strong proficiency in Power BI, SQL, and Python, experienced in developing end-to-end data pipelines, dashboards, and delivering insights that drive business decisions. Adept at stakeholder communication, problem-solving, and managing projects in fast-paced environments. Passionate about transforming data into actionable intelligence with a detail-oriented and collaborative mindset.

## Education

- Drexel University** Philadelphia, PA  
Master of Science in Business Analytics (GPA: 3.95) March 2023
- University of Pune** Pune, India  
Bachelor of Engineering in Electronics & Telecommunications (GPA: 3.75) June 2020

## Experience

- HOLMAN** Mt Laurel, New Jersey  
**Analytics Engineer** July 2023 – Present
- Collaborated with Data Science & Engineering to build an enterprise-scale semantic model powering the Annual Business Review, enabling 200+ stakeholders to replace 15+ legacy reports with a unified Power BI dashboard, **saving 30–40 hours per consultant**
  - Utilized CI/CD pipelines and Git for collaborative development of Power BI semantic models using .pbip and .tmdl files, enabling version control, streamlined deployment, and efficient teamwork across projects
  - Developed advanced SQL logic (**T-SQL, Oracle SQL, PySQL**) using Window Functions and CTEs to translate complex business requirements into scalable data models powering Power BI dashboards for KPI-based employee performance tracking
  - Built ETL pipelines and statistical models in Microsoft Fabric notebooks using Python to normalize 20 client KPIs, enabling client benchmarking, health scoring, and peer-to-peer performance comparison across business units
  - Effectively managed competing priorities and cross-functional stakeholders across multiple high-impact initiatives, leveraging strong time management, prioritization, and communication skills to deliver under tight deadlines

- COLLABERA** Basking Ridge, New Jersey  
**Data Analyst Intern** May 2023 – July 2023
- Optimized SQL queries** and utilized Power BI data modeling techniques to integrate and join data from multiple tables, enhancing the robustness of the Power BI Dashboard and reducing report generation time by 30%
  - Implemented a Dimensional Calendar in Power BI using DAX functions tailored to the company’s specific needs. Integrated the calendar with the SQL Server database, leading to a 15% improvement in efficiency within data reporting processes
  - Initiated and developed a dashboard (Power BI) analyzing key business KPIs, stemming from brainstormed improvement strategies; delivered actionable insights and recommendations designed to drive positive business outcomes at Collabera

- LABWARE** Wilmington, Delaware  
**Data Science Intern** June 2022 – September 2022
- Developed end-to-end ETL pipeline for Crime data analysis using Python for transformation, AWS S3 as the data lake, and Snowflake for warehousing
  - Engineered an XGBoost model to predict crime types with 80% accuracy, identifying key features to support proactive law enforcement strategies
  - Integrated machine learning insights into Tableau dashboards, enabling intuitive data exploration and decision-making for non-technical stakeholders

## Projects

- Studying Starbucks through the lens of social media**
- Collected and preprocessed 100k+ Reddit posts from the Starbucks subreddit using Pushshift API and SpaCy for NLP-driven text analysis
  - Applied LDA topic modeling to uncover the top 5 dominant discussion themes, providing insight into customer sentiment and conversation trends
  - Analyzed post content to identify the top 5 most mentioned drinks and top 3 recurring employee concerns, delivering actionable insights for sales optimization and workforce strategy

## Skills

- Programming Languages & Tools:** Python, R, SQL, Git, Power BI, Tableau, Jupyter Notebook
- Data Analysis & Visualization:** Pandas, NumPy, PySpark, SciPy, Seaborn, Matplotlib, Plotly, Gensim, GGplot, Beautiful Soup, MySQL, MS SQL Server, Snowflake, Databricks, AWS (S3, Redshift), Hadoop
- Machine Learning & AI:** Predictive Modeling, Logistic Regression, Gradient Boosting, Ensemble Methods, PCA, Neural Networks, Clustering, Time Series Analysis, Topic Modeling, Scikit-learn, PyTorch, TensorFlow
- Professional Skills:** Analytical Thinking, Problem Solving, Effective Communication, Attention to Detail, Stakeholder Collaboration, Decision Making, Time Management, Adaptability, Project Prioritization