

AKSHAY JAIN

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Education

Drexel University

Master of Science in Business Analytics (GPA: 3.95/4.00)

Philadelphia, PA

March 2023

University of Pune

Bachelor of Engineering in Electronics & Telecommunications (GPA: 3.75/4.00)

Pune, India

June 2020

Experience

HOLMAN

Analytics Engineer

Mt Laurel, New Jersey

July 2023 – Present

- Empowered Client Account Managers by building a Annual Business Review Power BI dashboard, consolidating 15 reports supporting 200+ daily active users
- Implemented CI/CD pipelines (Git) for Power BI development(.tmdl files), establishing version control, streamlining deployment, and improving collaboration
- Architected scalable dbt pipelines on Databricks using incremental models, materialized views, and macros for optimized performance and data integrity
- Translated complex business requirements into scalable Power BI data models, leveraging advanced SQL to achieve a 30% improvement in client service
- Selected by leadership to represent the company at the IBIS 2024 Analytics Conference (Phoenix), presenting a Power BI dashboard to industry professionals
- 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

Data Analyst Intern

Basking Ridge, New Jersey

May 2023 – July 2023

- Developed a predictive model in Python (Scikit-learn and Pandas) to identify high-risk customer, enabling proactive retention strategies and reducing attrition
- Optimized SQL and Power BI data models, integrating multiple data sources to enhance dashboard performance and reduce report generation time by 30%
- Architected a scalable semantic model by leveraging calculation groups for reusable time-intelligence logic and applying advanced DAX optimization techniques

LABWARE

Data Science Intern

Wilmington, Delaware

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 posts to identify top 5 most mentioned drinks and top 3 recurring employee concerns, delivering actionable insights for workforce and sales strategy

GitDecode: GitHub Intelligence Platform for Recruiters

- Engineered a multi-stage data pipeline using Github GraphQL data, building ETL layers, feature engineering, dimension scoring, and grouped evidence generation
- Built a deterministic scoring system for seniority, archetype, placement fit, and risk signals, and integrated OpenAI to generate concise recruiter-facing insights
- Deployed a Chrome extension with a FastAPI, using Python, React and JavaScript to turn developer GitHub profiles into recruiter-friendly engineering briefs

Technical Skills

Programming & Databases: Python, SQL, DAX, dbt, PostgreSQL, Snowflake, MS SQL Server, MySQL, Git/GitHub

Data Processing & Big Data: Databricks, Apache Spark (PySpark), Hadoop, Pandas, NumPy, SciPy, Beautiful Soup

Business Intelligence & Visualization: Power BI, Tableau, Matplotlib, Seaborn, Plotly, Jupyter Notebook

Machine Learning & AI: Scikit-learn, TensorFlow, PyTorch; Predictive Modeling (Time Series Forecasting, Classification), NLP (Sentiment Analysis), Ensemble Methods, Generative AI (Gemini API Integration, Prompt Engineering)

Cloud & MLOps: AWS (S3, Redshift), Streamlit, Docker, Model Serialization (Joblib)

Professional Competencies

Analytical & Strategic: Critical Thinking, Data-Driven Decision Making, Quantitative Analysis, Business Acumen

Communication & Collaboration: Storytelling with Data, Stakeholder Management, Cross-Functional Communication

Execution & Management: Project Management, Problem Solving, Attention to Detail, Adaptability