

Kriti Jain

Data Analyst

• Kriti.j@mymailshub.com • +1 (217) 220-3872 • LinkedIn • Portfolio • GitHub

SUMMARY

- Data Analyst with around 5 years of experience in transforming raw data into actionable insights to drive informed business decisions. Skilled in end-to-end data processes including data collection, cleansing, integration, and analysis using modern tools and programming techniques.
- Proficient in SQL, Python (Pandas, NumPy), and Excel for complex data wrangling, exploratory analysis, and automated workflows. Skilled in building scalable ETL pipelines and handling large datasets from cloud platforms such as Snowflake, Databricks, AWS Redshift, and BigQuery.
- Experienced in statistical analysis and experimentation, including hypothesis testing, A/B testing, regression models, and time series forecasting to identify trends, measure campaign effectiveness, and support predictive modeling efforts across cross-functional teams.
- Advanced data visualization expertise using Tableau, Power BI, and Looker, with a strong ability to design interactive dashboards and reports that clearly communicate KPIs, uncover business trends, and guide non-technical stakeholders in making informed decisions.
- Strong focus on data quality, anomaly detection, and reporting automation, leveraging best practices in data validation, scheduled reporting, and documentation to ensure consistency, audit-readiness, and compliance with data governance standards across enterprise ecosystems.

SKILLS

Language and Tools: Python, SQL, R, Excel, Alteryx, dbt (data build tool), Apache Airflow, Talend

Data Analysis & Modeling: Regression Analysis, Hypothesis Testing, A/B Testing, Clustering, Time Series Forecasting, Predictive Modeling, Data Mining

Visualization Tools: Tableau, Power BI, Looker, Google Data Studio

Packages: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Statsmodels, Plotly, Dask

Database Technologies: SQL Server, MySQL, PostgreSQL, MongoDB

Data Platforms / Warehousing: Snowflake, Databricks, Google BigQuery

Cloud Technologies: AWS (S3, Redshift, Athena), GCP (BigQuery, Cloud Storage, Dataproc), Azure (Synapse Analytics, Data Factory)

PROFESSIONAL EXPERIENCE

Goldman Sachs

Jul 2024 – Present | Chicago

Data Analyst

- Automated end-to-end data pipelines using Python and Azure Data Factory, cutting manual data preparation time by 50% and enabling faster, more accurate, and consistent decision-making across multiple business units and strategic initiatives.
- Designed and implemented comprehensive Power BI dashboards that provided real-time, actionable financial and operational insights, improving visibility into key metrics and enhancing cross-team collaboration by over 30%.
- Leveraged regression analysis and A/B testing methodologies to identify customer behavior trends, leading to a 25% increase in customer retention through optimized, data-driven marketing and product strategy adjustments.
- Built and deployed advanced time-series forecasting models such as ARIMA to improve supply chain planning accuracy, reducing inventory holding costs by 20% and enhancing resource allocation efficiency across global operations.
- Created and maintained automated data validation frameworks using SQL and Python, which reduced reporting errors by 35% and ensured strict compliance with industry regulations, audit requirements, and internal data quality standards.
- Partnered extensively with finance, operations, and marketing teams to translate complex datasets into clear, actionable insights that drove strategic initiatives, resulting in a 12% revenue increase and enhanced customer experience.

Accenture

May 2021 – Jul 2023 | India

Data Analyst

- Engineered scalable, maintainable data pipelines with Apache Airflow and Python, significantly speeding up data processing times by 45% and enabling real-time insights for faster decision-making and enhanced business intelligence across five key departments.
- Developed and validated customer segmentation models using Scikit-learn machine learning algorithms, increasing marketing campaign success rates by 25% and boosting customer retention by 15%, enabling more personalized, targeted outreach strategies based on data science principles.
- Delivered Power BI dashboards connected to Snowflake data warehouses that provided leadership with real-time operational insights, improving team efficiency and cross-department collaboration by over 30%, reducing issue resolution time by 20%, and accelerating project delivery cycles.
- Applied sophisticated time-series forecasting models such as ARIMA to enhance demand planning accuracy, resulting in an 18% reduction in inventory costs, 22% improvement in forecast precision, improved resource allocation, and optimized supply chain management processes.
- Implemented anomaly detection algorithms using Isolation Forest to identify fraudulent activities, successfully cutting fraud detection response time by 20%, decreasing financial losses by 18%, minimizing risk exposure, and enhancing regulatory compliance across financial datasets.
- Presented actionable business insights through Looker dashboards, helping executives make informed strategic decisions that directly contributed to a 12% increase in revenue growth and a 10% expansion in market share within 12 months.
- Strengthened data governance by managing dbt transformations and automating quality assurance checks, reducing data errors by 40%, decreasing report generation time by 25%, ensuring higher data reliability and compliance with company-wide data policies.
- Worked closely with cloud engineering teams to optimize complex SQL queries in AWS Redshift, boosting data pipeline stability and query performance by over 35%, reducing query runtimes by 40%, which improved overall data accessibility and analytic efficiency.

Hexaware Technologies

Jan 2017 – Aug 2018 | India

Junior Data Analyst

- Streamlined complex ETL workflows using Python and SQL, reducing manual data entry by 50% and significantly improving data accuracy and consistency in critical reports utilized across multiple departments and global business units.
- Architected highly interactive Tableau dashboards that enabled managers to effectively track key business performance metrics, cutting decision-making time by over 30% and enhancing overall operational responsiveness and agility.
- Conducted advanced regression and hypothesis testing analyses on marketing experiment datasets, leading to a 20% increase in targeted campaign effectiveness and significantly improving customer engagement and retention strategies.
- Cleaned and transformed large, unstructured datasets with Pandas and NumPy, ensuring data integrity and accuracy, which allowed teams to perform in-depth, actionable analyses confidently across multiple projects.
- Constructed automated data quality validation scripts using SQL, catching inconsistencies early in the process and reducing data errors by 35%, improving reporting reliability, accuracy, and stakeholder trust significantly.
- Collaborated closely with cross-functional business teams to build Power BI reports that effectively communicated key performance indicators, enabling 25% faster strategic decisions and driving measurable business improvements.
- Supported migration and integration efforts to cloud platforms by designing scalable data pipelines in Azure Data Factory, improving data accessibility and real-time flow across distributed teams and multiple business applications by 40%.

EDUCATION

Master of Science in Data Analytics

Aug 2023 – May 2025 | Springfield, IL

University of Illinois

Master of Technology in Computer Science and Engineering

Sept 2018 – Jun 2020 | Udaipur India

Sir Padampat Singhanian University

Bachelor of Technology in Computer Science and Engineering

Aug 2013 – Jun 2017 | Udaipur, India

Techno NJR Institute of Technology