

Mohammed Abdul Khaliq

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Profile Summary

Results-oriented Data Analytics Professional with a strong foundation in data engineering and statistical modeling. Proficient in Python and SQL for data manipulation, cleaning, and exploration. Skilled in developing and deploying data pipelines to support advanced analytics and machine learning initiatives. Experienced in building predictive models and data visualizations to uncover actionable insights and drive business growth. Possess a strong ability to collaborate with cross-functional teams to translate complex data into clear and impactful business recommendations.

SKILLS & STRENGTHS

Skills: MS SQL, Snowflake, Looker, Look ML, dbt, GitLab, Tableau, SSRS, Salesforce CRM, Tableau Prep, Alteryx, Apache Airflow, Excel (Macros, VBA), Python (NumPy, pandas, scikit), Jira, Data Modelling, Data Imputation ([Project on GitHub](#))

Certificates: Dataiku (Core & Advanced Designer), Google Data Analytics Program, Tableau Designer, BI and Analytics with Looker ([Google Cloud Skill](#))

PROFESSIONAL EXPERIENCE

Vistaprint, Sr. Data Analyst

Apr 2023 – July 2024, Canada

- Working with Operations and Manufacturing Teams. Define data requirements for analysis. Recommend targets, monitor, and report on KPIs for manufacturing and logistics. Improved KPI query performance by 70% (from 50 mins to 20 mins) by providing Real-Time Dashboard for Production.
- Building Live Key Metrics Reporting dashboards to enable decision-making for Production and Logistics Managers/Engineers and creating data products within a data warehouse environment to meet business goals. Help dashboard migration from SSRS to Looker which reduced the overall maintenance cost of \$1.2M on SQL Server.
- Partner with local and global business stakeholders to understand their questions, translate it into actionable insights, and enable self-service decisioning through building dashboards and KPI reporting. Reduced production tickets by 40% by building self-serve data tools (looker) to answer team member performance within the shift.
- Implemented robust data quality controls and leveraged software engineering best practices (GitLab, CI/CD) to ensure data integrity and efficiency.
- Provided actionable data insights on Binning Automation for Shipping team to find potential areas of improvement and reduce dwell time by 30% for 4 Workflows.
- Work with global partners on exploratory data analysis, A/B, and Hypothesis testing as well as implementation, monitoring, and reporting of approved initiatives by making use of company databases and other data sources for manufacturing and logistics analytics. Primarily developing A/B test using Python Scripts and documenting
- Use python scripts to extract csv file from cloud storage (Box) performed transformation and loaded data in SQL Server for Logistics Efficiency Model based on SAP EWM data. Simultaneously enhanced to code to delete and insert to avoid duplication and added chunk size parameter to avoid fail load.
- Partnered with Global team in defining and developing Global KPI for 3 manufacturing plant (NA, EU, AU) to have central definition on manufacturing excellence.
- Respond in a timely manner to ad-hoc analytic requests from the plant for data, analysis, and reports.

- Applying strong analytical skills to define problems, form hypotheses, gather and analyze data and make recommendations.
- Use python scripts to extract csv file from cloud storage (Box) performed transformation and loaded data in SQL Server for Logistics Efficiency Model based on SAP EWM data. Simultaneously enhanced to code to delete and insert to avoid duplication and added chunk size parameter to avoid fail load.

Walmart Logistics, Logistics Store Support (LSS) Analyst

Jun 2022 – Apr 2023, Canada

- Analyze operational performance based on data to proactively address issues or capture opportunities to improve overall business objectives.
- Developed Tableau reports to provide insights on store assigned trailers. These reduced manual checks of quantity received and claims disposal.
- Improvised existing Tableau Prep workflows for data extraction from salesforce connector by 50% using timestamp limitation.
- Engineered a robust data model within a cloud data warehouse to accurately capture and analyze complex store-level scheduling data for all Walmart Canada locations. Utilized advanced SQL queries to extract, transform, and load data, ensuring data integrity and consistency. This data-driven solution provided actionable insights into trailer requirements, optimizing logistics operations and significantly reducing planning time for market leaders
- Prepare National reports (SDS, off schedule, daily load reports, etc.) for all DCs within specified deadlines.
- Conducting regular reporting improvements and automations of repetitive processes. Supervisors manual check on shift level reports reduced from 30 minutes to 10 minutes.
- Built and deployed **10** interactive reports and dashboards, resulting in a **55%** increase in data-driven decision making. Collaborated with cross-functional teams to translate business requirements into actionable data models and visualizations.
- Assisting the business units in the development and implementation of strategic initiatives.

Amazon, ML Data Analyst, IND

Oct 2020 – Dec 2021

- Efficiently extracted and processed large datasets from S3 storage using Python and SQL. Implemented data cleaning and transformation pipelines to prepare sales data for analysis.
- Automation and Efficiency: Developed and implemented automation scripts to streamline data ingestion, transformation, and validation processes
- Established and maintained data quality standards and processes, ensuring data accuracy and consistency for downstream analytics.
- Process Optimization: Developed and implemented automation scripts (VBA, Python) to streamline data processing tasks and improve efficiency. Contributed to process improvement initiatives by identifying opportunities for optimization.
- Provided data-driven insights and recommendations to support business decisions. Collaborated with cross-functional teams to translate data into actionable recommendations

EDUCATION

University of Windsor, Master's: Mechanical Engineering
Osmania University, Bachelor's: Mechanical Engineering

Windsor, ON, CA (April 2022)
Hyderabad, IND (June 2019)