

Krishna Sai Tadiboina

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SUMMARY

Results-driven Data Analyst with around 4 years of experience in improving operational efficiency by 35% through LLM-based analytics frameworks and enhancing client retention by 20%. Proficient in crafting agile Power BI dashboards and optimizing Python-based ETL workflows, reducing reporting delays by 40% and refining data-driven decision-making using Azure, TensorFlow, and SQL.

SKILLS

Databases & Querying	: SQL (MySQL, PostgreSQL), Oracle, Microsoft SQL Server
Programming & Libraries	: Python (Pandas, NumPy, Scikit-learn, TensorFlow/PyTorch), R (dplyr, ggplot2, tidymodels), GitHub
Data Visualization & BI Tools	: Tableau, Google Data Studio, Microsoft Excel (Advanced PivotTables, Power Query, VLOOKUP/XLOOKUP, KPI tracking), Power BI (DAX, interactive reports)
ML & Statistics	: Regression Analysis, Hypothesis Testing, Predictive Modeling, Statistical modeling, Clustering (k-means, hierarchical), A/B Testing, Exploratory Data Analysis (EDA)
Big Data & Cloud	: AWS S3 (data lakes), Redshift (data warehousing), Azure, Snowflake, Spark (PySpark), Hadoop (HDFS)
Data Preparation & ETL	: Data Cleaning, wrangling, transformation (Python/R/SQL), SSIS, Airflow, dbt(data modeling)
Analytical Thinking	: Critical Thinking, Problem-solving, Root-cause Analysis, Decision-Making

EXPERIENCE

Outlier AI, USA - Data Analyst May 2023 - Present

- Contributed to the development of **LLM-based analytics frameworks**, leveraging **Python, TensorFlow, and Azure** to enhance AI-driven decision-making and automation.
- Increased operational efficiency by 35% through automation by automating data validation scripts and optimizing **Python-based ETL workflows** for large-scale data processing.
- Conducted deep-dive analysis on **structured and unstructured datasets** using **SQL, Pandas, and NumPy**, driving a 20% improvement in client retention strategies.
- Improved forecast accuracy by 25% and reduced project turnaround time by championing **data-driven methodologies** across cross-functional teams
- Established **data validation pipelines** using **Azure Data Factory and Snowflake**, ensuring data integrity, accuracy, consistency, and reducing discrepancies by 30%.
- Built dynamic **Power BI reporting frameworks**, reducing reporting delays by 40% and enabling real-time business intelligence insights for faster, data-driven decision-making.

MAQ Software, IND - Data Analyst Dec 2021 - Jul 2022

- Designed and deployed **interactive Power BI dashboards**, integrating data from **Azure SQL, Snowflake, and PostgreSQL**, leading to an 18% increase in revenue opportunities.
- Automated **ETL workflows with Azure Databricks**, improving data pipeline efficiency and enhancing data throughput by 40% for scalable, high-performance data processing solutions.
- Developed **customer churn prediction models** using **Scikit-learn and Python**, reducing churn rates by 15% through targeted retention strategies and predictive analytics insights.
- Streamlined **manual reporting processes** with automated **SQL queries and Python scripts**, achieving a 25% reduction in reporting time and improving operational efficiency significantly.
- Collaborated with stakeholders to redefine **data visualization approaches**, enhancing dashboard clarity and enabling data-driven decision-making for better strategic business insights.

Cutso Foods LLP, IND - Junior Data Analyst May 2020 - Nov 2021

- Assisted in developing **optimized SQL-based ETL pipelines** for inventory tracking, supporting **real-time demand forecasting** and reducing supply chain inefficiencies.
- Performed data cleansing and preprocessing** using Pandas/PySpark, ensuring dataset accuracy for analysis and reporting tasks.
- Supported the creation of **interactive BI dashboards in Power BI/Tableau**, visualizing key supply chain metrics to aid data-driven decision-making for stakeholders.
- Contributed to **advanced predictive analytics** projects by preparing datasets and assisting in modeling **seasonal demand trends**, improving inventory planning efficiency.
- Maintained and updated documentation for **critical data processes**, scripts, and pipelines, ensuring knowledge continuity and facilitating seamless onboarding for new team members.

EDUCATION

Central Michigan University, USA - Masters, Computer Science

KL University, IND - Bachelors in Technology, Computer Science and Engineering

CERTIFICATIONS

Data Science Professional Certificate: IBM | Data Visualization with Tableau: IBM

Problem Solving (Intermediate) Certificate: HackerRank

Tableau Certification | Advanced Machine Learning, Data Science

AWARDS

DTCC Code-A-Thon | Code War: Bangalore vs Chennai vs Hyderabad Competition