

# KAUSHIK KOMMINENI

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## PROFILE

Business Analyst and Data Engineer with experience analyzing procedures, policies, and program data. Skilled in collecting, evaluating, and reporting on administrative, economic, and statistical data. Proficient in SQL, Python, and business tools like Excel, Word, and PowerPoint. Strong communication, critical thinking, and report-writing skills with experience in health care and infrastructure analytics.

## SKILLS

- **Enterprise Systems:** Oracle, Hive, MySQL .
- **Programming:** Python, PHP, SQL, Bash, JavaScript
- **Business & Reporting Tools:** Excel, Word, PowerPoint, Access, Power BI, Tableau
- **Documentation & Reporting:** Data cleaning, proofreading, technical writing, editing.
- **Soft Skills:** Strong analytical and critical thinking, collaborative and independent working and effective oral.

## PROFESSIONAL EXPERIENCE

### Virginia Department of Transportation Jun 2024 - Aug 2024

#### Business Intern

- Created a Python application for data extraction from Oracle DB with robust error handling and validation logic, streamlining business reporting.
- Collaborated with stakeholders to define data quality metrics and build dashboards for cost allocation statistics.
- Forecasted infrastructure metrics using ML models, aiding state-level decision-making.

### University of Kansas Nov 2023 – May 2024

#### Graduate Teaching Assistant (SQL)

- Taught and assisted in SQL programming for graduate-level database systems courses; developed lab assignments and guided students through MySQL and PostgreSQL tasks.
- Facilitated structured workshops and one-on-one mentoring to help students grasp database normalization, query optimization, and stored procedures.
- Participated in course planning and grading; collaborated with faculty to align coursework with industry-standard database practices.

### Jio Platform Limited Jul 2022 - Jul 2023

#### Data Engineer

- Led the COE ingestion process using NiFi and Apache Kafka, enhancing data processing speed by 40% and ensuring quality control for diverse cost allocation data sources.
- Managed the Dynamite Project by transferring data from Oracle DB to HIVE with Apache Spark, reducing data transfer time by 50% and supporting systematic updates for allocation statistics.
- Optimized the deployment pipeline through CI/CD testing and refined data transfers from HIVE to MySQL using SQOOP, reducing errors by 20% and reinforcing reliable data quality for subsequent reporting tasks.
- Developed interactive dashboards in Power BI, integrating SQL-based data pipelines to automate reporting, improving data accessibility and reducing manual effort by 40%.

## EDUCATION

### University of Kansas

May 2025

#### MS, Computer Science

- **GPA:** 3.61/4.0

### Koneru Lakshmaiah

May 2022

#### University

#### B.Tech, Computer Science and Engineering

- **GPA:** 8.63/10.0

## PROJECTS

### Sales and Customer Retention Dashboard Aug 2024 - Sep 2024

- Designed SQL-based pipelines and developed predictive models to identify high-risk student churn segments.
- Built a Power BI dashboard to track customer churn and identify segments at risk.
- Improved retention strategy outcomes by 15% using logistic regression and decision tree models (88% accuracy).
- Designed a relational data model and built ETL workflows using SQL to track customer churn and KPIs.

### Web Traffic and Campaign Forecasting Feb 2024 - May 2024

- Integrated Google Analytics data using RESTful APIs in Python.
- Developed Tableau/Power BI dashboards to support regional planning and institutional response strategy.
- Created visual reports and forecasts for digital engagement trends using ARIMA models.
- Presented insights to marketing leads to guide content and ad placement strategies.