

Swetha Kommaraju

DATA ANALYST



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LinkedIn



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Portfolio



PROFILE

Experienced Business Intelligence and Data Analytics professional with a master's degree and 4+ years of expertise in delivering data-driven solutions. Skilled in leveraging Power BI, SQL, and Azure Data Engineering tools to optimize ETL workflows, create impactful dashboards, and drive predictive analytics. Adept at supporting business optimization through innovative data strategies and actionable insights.

EDUCATION

Master of Science: Computer Science, Jan 2023 – Dec 2024
Wichita State University (WSU),
Kansas, United States.

Bachelor of Technology: Information technology, June 2015 – May 2019,
Jawaharlal Nehru Technological
University, Kakinada (JNTUK), INDIA.

CERTIFICATES

Microsoft Certified: Power BI Data Analyst Associate.

Alteryx Designer Core Certified.

PROFESSIONAL EXPERIENCE

Aug 2019 – Nov 2022

Data Engineer Associate

Client: Leading American multinational retail corporation

- Designed and developed SSRS and Power BI reports, including parameterized, matrix, and tabular formats.
- Created and optimized SSIS packages and SSAS cubes for seamless data integration and analytics.
- Built predictive analytics models in Power BI, improving sales forecast accuracy by 15% and enhancing inventory alignment.
- Created and optimized complex SQL queries to extract, transform, and load data across multiple databases, ensuring high performance and data accuracy.
- Designed relational database schemas and implemented stored procedures, triggers, and views to support business intelligence solutions.
- Automated data workflows using SQL Server Integration Services (SSIS) for seamless ETL processes across various data sources.
- Performed performance tuning on SQL queries and optimized database operations to improve system efficiency.
- Supported and resolved report development tickets, ensuring timely and accurate delivery of data insights.
- **Environment:** Power BI, SSRS, SSIS, SSAS, SQL Server, Snowflake.

Client: A leading American multinational retail corporation operating hypermarket, discount department stores, and grocery stores globally.

- Built and managed clusters in Azure Data Bricks using Jupyter Notebooks for PySpark development.
- Developed and automated data workflows with PySpark scripts and Automic workflows, integrating with Hive databases.
- Designed and supported Hadoop solutions, including installation, configuration, and documentation.
- Analysed large datasets using Hadoop ecosystem tools such as Hive and HDFS.
- Monitored and managed scheduled finance jobs (Hive, Teradata, ThoughtSpot) using Automic.

TECHNICAL SKILLS

Programming Languages/Tools:

Python, C, Java.

Data Analysis: Advanced Excel, Pandas, NumPy, Matplotlib.

Visualization: Microsoft Power BI, Microsoft Fabric, Microsoft apps, SSRS, Tableau Desktop, Tableau Prep

ETL Tools: Proficiency with Azure Data Factory, SSIS, or similar ETL tools.

Database Knowledge: Strong understanding of SQL, Hive, relational database concepts, and data modelling techniques.

Power BI Expertise: Advanced skills in Power BI (including DAX, Power Query), report/dashboard creation, and performance optimization.

Cloud Services: Experience with Microsoft Azure services, including Azure Data Lake Storage and Azure Databricks.

Frontend Development: HTML, CSS, JavaScript, Angular.

Data Warehousing: Snowflake.

- **Environment:** HDFS, Hive, PySpark, Automic, Teradata, ThoughtSpot.

Jun 2018 – May 2019

Internship Experience:

Data Analyst

Client: Regional E-commerce Platform

- Learned to develop interactive dashboards and reports using Power BI and Tableau to monitor sales performance and customer behaviour.
- Gained experience in data cleaning, transformation, and integration using SQL and Excel to ensure accurate reporting.
- Learned how to support the creation of ETL workflows and ensure data quality throughout the pipeline processes.
- Developed skills in collaborating with cross-functional teams to define reporting requirements and deliver actionable insights.
- **Environment:** Power BI, SQL, Excel, SSIS.

Jan 2023 – Dec 2024

ACADEMIC EXPERIENCE:

**Wichita State University,
Wichita, Kansas**

- Developed interactive Power BI dashboards to track sales, customer behaviour, inventory, and profitability.
- Gathered business requirements and defined KPIs in collaboration with cross-functional teams.
- Optimized data models and reports using DAX, Power Query, and custom visualizations.
- Integrated and processed data from SQL Server, Excel, and APIs for real-time analytics.
- Automated ETL workflows using Azure Data Factory for seamless data refresh.
- Conducted profitability analysis and built predictive models to forecast sales trends.
- Ensured data quality through cleansing, validation, and transformation processes.
- Presented actionable insights and recommendations to stakeholders for decision-making.
- **Environment:** Power BI, Azure Data Factory, SQL Server, Excel.