Swetha Kommaraju

DATA ANALYST

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LinkedIn

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Portfolio

PROFILE

Data Analyst & Engineer with 4+ years of experience in business intelligence and analytics. Proven track record of improving business performance through data-driven solutions, including 15% improvement in Sales Expertise in Microsoft Power BI, Fabric SQL, Azure Data Factory, Python and ETL processes. Proficient in leveraging Copilot AI within Power BI and Microsoft Fabric for enhanced data insights and accelerated report development.

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

Mar 2025 – Current
Data Analyst/Engineer
Client: HILLPOINTE, Real estate developer

- Develop interactive Power BI dashboards tracking operational KPIs, revenue management, and customer behavior analytics, resulting in improved decision-making capabilities
- Design and implement ETL workflows using Azure Data Factory and SQL Server for real-time data integration
- Manage asset tracking systems providing real-time visibility into asset status and lifecycle management
- Conduct comprehensive asset performance analysis supporting strategic business decisions and optimization initiatives
- Collaborate with cross-functional teams to ensure data quality and deliver actionable insights
- **Environment:** Power BI, SQL Server, Azure Data Factory, Microsoft Fabric, Excel

AUG 2019 – Nov 2022
Data Engineer
Client: MIRACLE SOFTWARE SYSTEMS, INC

Retail Analytics Project (Major US Multinational Retailer) hypermarket.

- Built and managed clusters in Azure Data Bricks using Jupyter Notebooks for PySpark development.
- Developed and automated data workflows with PySpark scripts and atomic workflows, integrating with Hive databases.
- Designed and supported Hadoop solutions, including installation, configuration, and documentation.
- Analyzed large datasets using Hadoop ecosystem tools such as Hive and HDFS.
- Monitored and maintained critical finance job schedules ensuring 99.9% uptime.

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.

AI Tools: Experience using **Copilot AI** and **Power BI AI** for enhanced development, productivity, and data-driven insights.

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, and ThoughtSpot.

- **Client: ATD (American Tire Distributor)**
  - Designed and developed comprehensive SSRS and Power BI reports including parameterized, matrix, and tabular formats
  - Created and optimized SSIS packages and SSAS cubes enabling seamless data integration across multiple systems
  - Built predictive analytics models in Power BI improving sales forecast accuracy by 15% and enhancing inventory alignment
  - Developed complex SQL queries, stored procedures, and database views supporting high-performance BI solutions
  - Performed advanced SQL query optimization and database performance tuning reducing report load times by 30%
  - Resolved multiple report development tickets with consistent on-time delivery rate.

Environment: Power BI, SSRS, SSIS, SSAS, SQL Server, Snowflake.