SVSS SOBHIT VARADA

PORTFOLIO| +1 945-527-5343|MAIL| LINKEDIN

Education

The University of Texas at Dallas **May 2025**
Master's in science, Information Technology and management
SRM Institute of Science and Technology, Chennai **May 2022**
Bachelor of Technology, Mechanical Engineering

Technical Skills

- **Scripting Languages:** Python (NumPy, Scikit-learn, Pandas, Matplotlib, Seaborn, TensorFlow), R, SQL, JAVA
- **Machine Learning:** Regression, Classification, Clustering, Ensemble Methods
- **Data Processing & ETL:** Apache Spark, Hadoop, ETL Development, Data Cleaning, Data Transformation
- **Databases:** Relational Databases (MySQL, PostgreSQL), Data Warehouses (Snowflake, Redshift)
- **Data Analytics & Visualization:** Power BI, Tableau, Excel, Business Intelligence (BI)
- **Cloud services environments:** AWS/Azure/GCP, Batch & Stream Processing, Scalable Data Pipelines
- **Version Control Tools:** Git, GitHub, Gitlab
- **Performance & Optimization:** Query Optimization, Data Modeling, Workflow Automation

Work Experience

Kroger Technology & Digital
Data Engineer **May 2024 – Now**

- Improved reporting efficiency by **30%** by designing and optimizing data-driven reports and dashboards using Tableau, enabling actionable business insights for portfolio performance analysis.
- Increased data workflow reliability and scalability by building and optimizing **ETL** workflows using Databricks and integrating with Snowflake data warehouse on Azure cloud infrastructure to support advanced business analytics.
- Enabled faster, data-driven decision making by developing interactive dashboards and visualizations in **Tableau**, presenting relevant KPIs and trends to support strategy development and performance analysis.
- Streamlined portfolio analysis process by deploying and monitoring automated data workflows on Azure, ensuring timely delivery of analytics to inform business strategy initiatives.

COGNIZANT
Data *Engineer* **June 2021 – July 2023**

- Improved business decision-making by **20%** by delivering actionable insights through advanced analytics and performance analysis on over 10 million records to optimize portfolio results.
- Reduced reporting time by **40%** by developing interactive dashboards in Power BI and Tableau, enabling self-service performance analysis for business users.
- Ensured **99%** data accuracy by conducting rigorous data cleaning and transformation, supporting high-quality, reliable analytics for strategic decision-making.
- Optimized operational efficiency by **15%** by translating business requirements into data-driven solutions that enhanced operational processes through cross-functional collaboration.

Projects

Analyzing Sales Data | *Python*

- Analyzed sales data using Python, including data cleansing techniques, and gained insights through visualization libraries such as Matplotlib and Seaborn.
- Employed linear regression and random forest regression algorithms to forecast future sales, enhancing predictive capabilities for business decision-making.

Data Analysis and Visualization|COVID-19 Impact Analysis | *Tableau, Excel, R*

- Conducted a comprehensive COVID-19 impact analysis in Florida, specifically on pneumonia. Processed and cleaned a substantial dataset of 50,000+ records using R and Excel.
- Employed Tableau to create informative visualizations, revealing correlations between COVID-19, pneumonia, and influenza, offering actionable insights for public health authorities.

Flight Booking Database | *SQL, Database Design*

- Developed an Oracle database tailored for an airline company's booking operations, focusing on efficient data storage and retrieval.
- Implemented Triggers, Sequences, Views, and Indexes within the database to optimize SQL queries and maintain data integrity throughout the booking process.

Movie Recommendation System Analysis | *Tableau, MySQL, R, Excel*

- Acquired and cleaned movie rating data from the Movie Lens public data set, ensuring data integrity of 98%.
- Executed data visualization in Tableau to create interactive dashboards on user ratings across attributes.
- Analyzed movie recommendation algorithms, achieving an 85% accuracy rate in evaluating suggested movies based on user preferences.