

# AKSHITHA AVIRE

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## PROFESSIONAL SUMMARY

Results-driven Data Analyst with expertise in SQL, Python, and R, specializing in data visualization, predictive modeling, and statistical analysis. Demonstrated ability to deliver actionable insights, enhance operational efficiency, and collaborate effectively with cross-functional teams to develop data-driven solutions.

## SKILLS

- **Data Analysis:** SQL (SQL Server, MySQL), Python, R, Alteryx
- **Data Visualization:** Tableau, Power BI
- **Machine Learning:** Scikit-learn, TensorFlow
- **Statistical Analysis:** Regression, Hypothesis Testing, Confidence Intervals, Predictive Modeling
- **Database Management:** SQL, NoSQL, Database Design, Data Extraction, Data Cleaning, Data Validation, Data Visualization
- **Programming Languages:** Python, R, SQL, HTML/CSS, C, C++, Java
- **Tools:** Excel, GCP, Jupyter Notebooks
- **Other:** Data Cleaning, Data Transformation, Data Mining, Predictive Analytics, ETL Processes

## WORK HISTORY

**Data Analyst, 06/2023 - Current**  
**Evernorth TX**

- Analyzed large datasets using SQL and R to derive actionable insights and trends, optimizing operational efficiency by 15%
- Developed and maintained dashboards and reports using Tableau and Power BI, providing stakeholders with real-time data visualization and performance monitoring
- Collaborated with cross-functional teams, including marketing and finance, to identify data needs and deliver data-driven solutions using predictive modeling and hypothesis testing
- Conducted A/B testing and statistical analysis to support business decisions, enhancing product adoption rates by 25%
- Implemented data models to forecast business outcomes, using regression analysis to enhance decision-making processes
- Automated data extraction and cleaning processes using Python, improving efficiency and accuracy, and reducing data preparation time by 30%.

**Data Analyst Intern, 01/2023 - 06/2023**  
**AT&T TX**

- Assisted in the analysis and interpretation of data to support business strategies, utilizing SQL and Python for data extraction, cleaning, and analysis
- Created data visualizations and reports using Tableau and Excel to communicate findings to stakeholders clearly and effectively
- Participated in cross-functional meetings to gather data requirements, understand business needs, and provide insights using statistical methods like regression analysis and hypothesis testing
- Implemented data validation techniques to ensure data integrity and accuracy, improving data reliability by 20%
- Supported the development of predictive models to identify trends and patterns, enhancing the company's ability to forecast customer behavior
- Utilized Jupyter Notebook for documenting and sharing analysis, ensuring transparency and reproducibility of results.

**Data Analyst, 09/2021 - 08/2022**  
**Accenture India**

- Performed comprehensive data analysis using SQL and Python to extract actionable insights, supporting strategic decision-making for an FMCG client.
- Developed and maintained data models to enhance data accuracy and accessibility, utilizing Excel and Power BI for improved data management.
- Implemented effective data extraction processes using SQL, consolidating data from multiple sources to ensure comprehensive coverage and consistency.
- Collaborated with stakeholders, including project managers and business analysts, to identify data needs and deliver customized insights that enhance business performance through predictive modeling and data visualization techniques.
- Created and managed interactive dashboards and detailed reports using Tableau, facilitating real-time, data-driven decision-making.
- Conducted data quality assessments and implemented corrective actions to ensure data integrity, successfully reducing discrepancies by 30%

**IT Analyst, 04/2021 - 09/2021**  
**Deloitte India**

- Provided technical support and data analysis for various IT projects, utilizing SQL and Python for data extraction, cleaning, and analysis
- Assisted in the development of IT strategies and solutions to meet client requirements, enhancing operational efficiency and data accuracy
- Created and maintained reports and dashboards using Tableau and Excel, providing stakeholders with clear and actionable insights
- Conducted system assessments and implemented improvements, reducing system downtime and enhancing performance by 20%
- Collaborated with cross-functional teams to gather requirements and develop customized IT solutions, ensuring alignment with business goals.

## EDUCATION

**University of North Texas - Denton, TX**

Master of Science in Computer Science, Large Data Visualization, Probability and Statistics, Big Data, DBMS, Software Engineering, Distributed Parallel Database, Cyber Security, Wireless Networks, Automata Theory: 05/2023

**Bachelor of Science: Computer Science Engineering, 07/2021**

**Gokaraju Rangaraju Institute of Engineering and Technology - Hyderabad, India**

## PROJECTS

**Sales Data Analysis for E-commerce Platform**

Jan 2023 - Apr 2023

- Analyzed large volumes of sales data using SQL and Python to identify key trends and patterns, providing actionable insights to improve sales strategies and performance.
- Conducted A/B testing and statistical analysis to optimize promotional strategies, resulting in a 15% increase in conversion rates and a 10% increase in average order value.

**Customer Churn Analysis for Telecom Company**

Oct 2022 - Dec 2022

- Utilized Python and R to perform a comprehensive analysis of customer data, identifying factors contributing to customer churn and developing predictive models to forecast churn probability.
- Collaborated with the marketing and customer service teams to develop targeted retention strategies based on the analysis, reducing churn rates by 20%.