

Satya Sai Vamshi Krishna Arza

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SUMMARY

Data Analyst with 3.5 + years of experience and hands-on experience in Python, SQL, and data visualization, with a proven ability to deliver actionable insights and optimize business processes. Proficient in machine learning, big data technologies, building ETL pipelines and cloud platforms like AWS and Azure. Passionate about transforming complex data into meaningful insights.

EDUCATION

Master's in Data Analytics (CGPA 3.8)
University of Illinois at Springfield

August 2022 - December 2023

PROFESSIONAL EXPERIENCE

Data Analyst | InfoPro Ltd | Chicago, Illinois

March 2024 - Present

- Streamlined data processing workflows, leading to a 25% increase in data accuracy and operational efficiency.
- Led **data analysis, ingestion, and integration** projects, seamlessly acquiring and consolidating diverse data sources to support business objectives.
- Developed, analyzed, and debugged **complex SQL queries** for data manipulation and reporting reducing query execution time by 20%, significantly enhancing data-driven decision-making processes.
- Created interactive dashboards using **Tableau** and **Power BI**, enhancing data visibility by 40% and enabling quicker executive decision-making.
- Partnered with engineering, analytics, and product teams to understand data requirements, deliver actionable insights that contributed to a 10% increase in revenue, and maintain high data quality standards.

Associate Software Engineer | Aviro Global Solutions Ltd | Bengaluru, India

August 2019 - July 2022

- Utilized big data technologies like Hadoop, MapReduce, Hive, and Spark to efficiently process and analyze large-scale data, resulting in a 50% reduction in data processing time.
- Designed and implemented robust **ETL pipelines**, ensuring smooth data extraction, transformation, and loading while maintaining high data quality.
- Developed **machine learning algorithms** to derive actionable insights from structured and unstructured data, increasing **predictive accuracy** by 25%.
- Successfully integrated **AWS and Azure** services, reducing data processing time by 40% and enhancing system scalability.
- Delivered key software features, boosting user satisfaction by 20% and reducing database query times by 15%.
- Created **Tableau dashboards**, improving data interpretation efficiency by 15% and enabling data-driven business strategies.

Business Development Intern | Flipspace Ltd | Remote

December 2020 – May 2021

- Conducted market research and economic data analysis using **IMPLAN and other tools**, supporting strategic business decisions.
- Developed **predictive models** to identify high-value customer segments, driving a 25% increase in targeted sales and improving customer acquisition strategies.
- Designed and implemented an efficient **SQL database** for customer data management, reducing resolution time by 20%.
- Developed **Tableau and Power BI dashboards**, enhancing data visibility by 35% and supporting real-time decision-making.
- Collaborated with departmental leaders to align reports with strategic objectives, ensuring **data accuracy and consistency**.

SKILLS

• R	• Hadoop	• MySQL	• Data Integration
• PYTHON	• Hive	• PostgreSQL	• Data Ingestion
• SQL	• MapReduce	• IMPLAN	• Data Modelling
• Java	• Big Data	• Microsoft SQL Server	• Statistical Analysis
• Amazon Web Services (AWS)	• GitHub	• API Integration	• Data Streaming
• Snowflake	• CSS	• Tableau	• Data Analysis
• Azure	• Git	• PowerBI	• Data Processing
• JavaScript	• Business Intelligence	• ETL Development	• Data Quality
• Spark	• Amazon Redshift	• Data Pipeline	• Shell Scripting
• UNIX	• Docker	• Data warehousing	• Data Mining
		• Data Visualization	• Data Cleaning

HIGHLIGHTED PROJECTS – [\[GitHub\]](#)

- Graduate Admission Data Analysis** [LINK](#)
A project predicting graduate admission chances using machine learning algorithms, emphasizing GRE scores and CGPA.
Tools Used: R, R Studio, Caret, Keras, TensorFlow
- Cricket Sport Data Analysis** [LINK](#)
Analyzed IPL cricket data to provide insights on match performance and player statistics.
Tools Used: Amazon S3, Databricks, Python, SQL, PySpark, Apache Spark
- Superstore Data Analysis** [LINK](#)
Processed and Visualized store data using AWS Services
Tools Used: Amazon S3, Databricks, Python, SQL, PySpark, Apache Spark
- HR Workforce Data Analysis** [LINK](#)
Analyzed HR data and created a dashboard to inform decision-making on hiring, retention, and workforce management.
Tool Used: MySQL, PowerBI
- Tableau Projects** [LINK](#)
Created interactive and impactful visualizations using Tableau Public, including trends, distributions and comparisons.

CERTIFICATIONS

- Google Data Analytics Professional Certification by Google
- Excel Data Analysis by LinkedIn
- Python Data Structures by University of Michigan