

Charan Sai Dara

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Summary

As a data-driven professional with 3 years of experience, I bring a passion for uncovering actionable insights from data, a collaborative spirit, and a strong problem-solving mindset. I excel at cleaning, manipulating, and performing exploratory analysis on diverse datasets using tools like SQL, Python, and SAS. Skilled in building and maintaining scalable data pipelines using Airflow, PySpark, and GCP, I create impactful data visualizations with Tableau and Power BI. My understanding of data lakes and data warehousing, coupled with my proactive learning through projects and courses, demonstrates adaptability and a commitment to excellence. I thrive in collaborative team environments, readily applying my technical and analytical skills to solve real-world data challenges

Professional Experience

University Of Arkansas

May 2023 - Present

Graduate Assistant

- **Automated data retrieval and insertion** across hundreds of websites using RPA, **saving 80% efficiency and hundreds of work hours**
- **Migrated Walton College website** to a new content management system, **improving user experience and efficiency**
- **Developed and debugged website features** using JavaScript, ensuring functionality and performance
- Utilized **Microsoft Clarity** to monitor website performance and user behavior
- Upgraded **Bootstrap** framework version from 3 to 4 in Walton College websites ensuring optimal User Experience.

Virtusa Consulting Services

May 2022 - May 2023

Associate Engineer

- **Increased customer analysis efficiency by 40%** through visually engaging Tableau dashboards, aiding strategic decision-making
- Predicted customer behavior and churn using **decision trees**, enabling proactive retention strategies.
- Developed a robust **data pipeline** using **PySpark, GCP, and Airflow**, efficiently archiving data from a **MySQL database** to a **distributed file system**, ensuring scalability and accessibility.
- Improved data **retrieval efficiency by 20%** through advanced SQL techniques like **Joins, Sub Queries, and Set Operations**.
- Developed sophisticated data analysis and reporting solutions using **Window Functions, Temp Tables, and Advanced OLAP Functions**.
- **Reduced data redundancy by 15%** through **data normalization**, enhancing data integrity and analysis speed
- **Implemented ETL processes** for data cleaning, validation, and transformation, ensuring data quality and integrity
- **Performed data profiling and analysis** to identify trends, patterns, and anomalies, supporting informed decision-making
- Leveraged **Explain Paths** for performance analysis, resulting in a significant **50% increase in query speed** through strategic **index creation**.
- **Collaborated with cross-functional teams** to understand data needs and optimize data systems.

Virtusa Consulting Services

January 2022 - April 2022

Data Engineer Intern

- Cleansed and manipulated large datasets using advanced **Excel functions (VLOOKUPs, pivot tables)** to enhance data quality and usability by **70%**.
- Developed and adapted **SQL queries** to meet diverse project requirements, demonstrating proficiency in query language.
- **Collaborated effectively** with cross-functional teams, ensuring on-time delivery of projects.

EduGene Technologies

November 2020 - February 2021

Data Engineer Intern

- Developed visualizations for students enrolled in courses and projects using **Power BI**, facilitating data-driven decision-making for the management. This initiative resulted in a remarkable **50% increase in productivity** by providing valuable insights into students interest and demand.
- Performed **complex data migrations** and database upgrades, ensuring seamless transitions and data integrity.
- Designed and implemented **ER diagrams using ERDPlus**, creating optimized student data tables with **DDL and DML** for efficient data management and retrieval.
- Implemented robust **data cleaning procedures**, including data validation, deduplication, and error correction, to **ensure reliable and accurate** student data for informed decision-making.

Key Skills

- **Tools/ IDE :** Tableau, Power BI, SAS EG, Power Query, SAS Enterprise Miner, ERDPlus, PyCharm, Eclipse, IntelliJ, Confluence, Jira, Git, Visio, Microsoft Suite, RPA, Microsoft Clarity, Databricks, SSIS
- **Cloud Technologies:** GCP, Azure, GCS
- **Workflow Management:** Apache Airflow
- **Big Data Frameworks:** Hadoop, Kafka, Spark, Hive
- **Programming Languages :** Java, Python, JavaScript, SQL, HTML5, CSS3, SparkSQL
- **Databases :** MS SQL Server, SQLite, Microsoft Access, Oracle Db, Cosmos Db, PostgreSQL
- **Project Management :** Agile, Scrum

Education

- Masters in Information Systems, University Of Arkansas (May 2023 - Current) - 4.0 CGPA
- Bachelors of Technology in Electronics and Communications Engineering, Anurag Group Of Institutions (June 2018 - May 2022) -3.17 CGPA

Certifications

- Career Essentials in Data Analysis certification by Microsoft(LinkedIn)
- Developer Job Simulation by Accenture(Forge)
- SQL for Data Analysis certification by LinkedIn
- Oracle Certified Java Associate(OCJA)
- ISTQB Foundation Level Certification