Reddy Sai Krishna Sanda

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Summary

Dynamic and results-oriented professional with a Master of Science in Information Technology from the University of North Carolina at Charlotte. With a solid foundation in information technology, I possess extensive experience in leveraging a diverse array of tools and technologies to drive impactful solutions in data analytics and software engineering. Experienced in using Tableau and Power BI to create compelling and informative visualizations from complex data structures. Seeking opportunities to contribute my skills and expertise in a dynamic and collaborative environment focused on innovation and excellence. Passionate about leveraging emerging technologies and innovative approaches to solve complex challenges and contribute to organizational success.

Technical Skills

Tools:	Tableau, Qlik, Power BI, VS Code, GIT, JIRA, BitBucket, Excel, Work Bench, Hadoop, Spark, Jenkins, Looker, Postman Google Analytics, Tag Manager, Google Looker Studio, BigQuery
Technologies:	Salesforce, AWS (S3, EC2, Athena, Glue, Lambda Sage Maker, Red Shift, Data Pipeline, Kinesis), Azure (ADF, Databricks, Data Lake Analytics, Stream Analytics), Snowflake, Apache Spark, GCP
Languages:	Python, SQL, HTML, CSS, Java, C, JavaScript, Node.js, PHP
Packages:	NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, Seaborn, TensorFlow, PyTest
Certifications:	AWS Academy Data Analytics (AWS), Google Data Analytics (Coursera), Tableau (Data Camp), Python (Progate)

Work Experience

Cognizant

Charlotte, USA

Data Analyst *Feb 2024 – Current*

- Participating in Agile ceremonies, such as sprint planning, daily stand-ups, and reviews, fostering effective communication and transparency within the team.
- Implemented and managed web tracking using **Google Analytics** and **Tagging** to monitor and analyze website traffic, user behavior, and e-commerce performance.
- Created and maintained custom **dashboards** and **reports** in **Google Looker Studio** to provide actionable insights for marketing and sales teams.
- Developed and optimized **SQL** queries for extracting data from various sources, ensuring data accuracy and integrity for reporting and analysis.
- Utilized **Python** for data cleaning, transformation, and automation of data processing tasks, improving efficiency and data quality.
- Developed and maintained **ETL** pipelines using **SSIS** (SQL Server Integration Services) to ensure efficient data flow from source systems to data warehouses.
- Experience in the development, deployment, and maintenance of **SSIS** packages and **SSRS** reports pre and post-deployment.
- Ensured data consistency and reliability through robust ETL workflows, handling large volumes of transactional data from the e-commerce platform.
- Managed data storage, processing, and analysis on cloud platforms including **Google Cloud PlatformS**, ensuring scalability and performance.
- Leveraged **Google Cloud Platform** services like **BigQuery** for data warehousing and large-scale data analysis.
- Designed and developed interactive dashboards in **Tableau** and **Power BI** to visualize key performance indicators (**KPIs**) and track business metrics.
- Used forecasting techniques to predict trends and support business planning efforts, enhancing strategic decision-making and operational efficiency.
- Conducted **A/B testing** and **funnel analysis** to optimize website performance and improve conversion rates, directly contributing to revenue growth.

The University of North Carolina at Charlotte

Charlotte, USA

Graduate Assistant *Jan 2023 – Dec 2023*

- Leveraging **Tableau**, essential insights were extracted through the creation of diverse charts, facilitating the synthesis of meaningful findings to construct a cohesive narrative encompassing the entirety of the dataset.
- Spearheaded the establishment of a near real-time **AWS S3 data pipeline**, transforming JSON to CSV via **Glue** ETL jobs, with Lambda for event triggers and **DynamoDB** for metadata storage.
- Performed in-depth ad hoc data analysis using **SQL** and **Tableau**, elucidating data collection points for analyzing the demand and resources of the faculty and student across the university data.
- Engineered insightful dashboards in Tableau and Exploratory Data Analysis using python, achieving a remarkable 50% reduction in leakage issues.
- Wrote **Python** and **PySpark** scripts for onboarding data to Cloud Infrastructure and cleaned up the data simultaneously for better analytical performance.

Accenture Solutions Pvt. Ltd

Bengaluru, India

Associate Software Engineer *Apr 2020 - Jul 2022*

- Created dynamic reports using **AWS QuickSight**, enhancing data accessibility and comprehension among financial analysts and enhanced report interactivity through **AWS Lambda** integration, enabling real-time data updates and drill-down capabilities.
- Implemented **AWS Glue** for automated data cleansing and validation processes, resulting in a 40% reduction in data discrepancies.
- Worked on **SQL scripts** to perform data quality checks, ensuring compliance with regulatory standards and industry regulations.
- Used **Python**, **SQL,** and **SAS** to analyze financial datasets stored in **AWS S3** and **Redshift**. Conducted comprehensive data analysis, resulting in a 70% improvement in identifying market trends and investment opportunities.
- Handled creating complex **stored procedures, triggers, views**, and **joins** and statements for applications yielding a 20% improvement in database efficiency.
- Implement the application of various **machine learning algorithms** and **statistical modeling** like decision trees, logistic regression, linear regression, and random forests using Python and SAS to determine the accuracy rate of each model and achieved a **98% accuracy rate** in predicting market movements through rigorous model testing and validation.
- Implemented ETL data pipelines using **AWS Glue** to migrate the 480,034 rows of data from Azure Data Lake to **AWS S3**.
- Spearheaded the adoption of emerging technologies such as AWS Lambda and Glue to optimize data processing workflows, reducing processing time by 30%.

- Designed and developed dynamic and visually engaging dashboards using **Tableau**, serving as a crucial platform for presenting data insights and **key performance indicators (KPIs)** to stakeholders. This initiative directly contributed to a significant 25% increase in revenue.

LeewayHertz

Bengaluru, India

Data Analyst Intern *Jan 2020-Mar 2020*

- Developed **Power BI** dashboards for a 10-member cross-functional team and utilized Python for **Exploratory Data Analysis** (EDA), aiding in identifying and reducing financial discrepancies by 25%, thereby enhancing data reliability for decision-making.
- Enhanced reporting efficiency by implementing Excel automation with VLOOKUP, data validation, Power Query, and Pivot Tables, leading to a 20% faster report generation and improved operational workflows.
- Utilized Python scripts and **Azure Data Factory** to extract and transform millions of records of structured and semi-structured data from various sources, including SQL databases, flat files, and **APIs**. This process ensured seamless data flow and reduced manual effort by 50%.
- Crafted highly efficient **ETL** (Extract, Transform, Load) pipelines utilizing Python and **PySpark** within **Azure Databricks** framework, resulting in an 80% enhancement in overall data quality through data cleansing, validation, and standardization processes.
- Designed and implemented a centralized data lake on **Azure Storage**, facilitating seamless **data ingestion**, storage, and retrieval.
- Responsible for handling **Azure Data Lake Analytics** and Databricks to perform complex analytical queries and data processing tasks on the ingested data.
- Transformed **Snowflake** data into **JSON** objects on **Azure Databricks** using **PySpark**, facilitating a 20% reduction in storage costs by optimizing data storage in Azure **Data Factory**, and Rendered **Snowflake** view data in PowerBI, leading to a 15% increase in user engagement with visually compelling dashboards.
- Performed exploratory data analysis and uncovered valuable insights by applying statistical techniques and machine learning models using Python and SQL to uncover valuable insights that led to a **90%** improvement in a key performance indicator for the medical client.

Education

The University of North Carolina at Charlotte, Charlotte, North Carolina, USA *GPA: - 3.9/4.0*

Master of Science in Information Technology *Aug 2022 - Dec 2023*

Project Works

IPL Dashboard Analysis / Python, Streamlit, Altair, PyCaret, Excel/ *Feb 2023 - Apr 2023*

- **Processed** and **analyzed structured data** in **Excel**, achieving a 90% increase in data accuracy. Developed interactive dashboards using **Streamlit**, facilitating user engagement and **data exploration**. **Visualized** player **statistics** and performance **trends** spanning multiple years, enhancing data comprehension.

California House Price Prediction / AWS Sage Maker, Lambda, Glue, Athena, Python, Tableau/ *Sep 2022 - Nov 2022*

- Transformed **unstructured data** into **structured** format through **data cleansing**. Built a **Quick Sight visualization dashboard** which provides a holistic view of all datasets thereby reducing time spent by 80%. Enhanced understanding of median house prices across different locations, resulting in a **20%** increase in the efficiency of real estate investments.

Hospital Database Management System/ Python, MySQL / *Nov 2022 - Dec 2022*

- Designed a robust and secure storage system for hospital data, providing an efficient and organized solution for managing critical healthcare information. This project is designed to enhance data accessibility, security, and overall workflow efficiency within hospital environments. GUI is developed with the help of Python and all the records operations will be done with the help of MySQL.

Detecting CORONA VIRUS using chest X-ray images / Python, Pandas, CNN, Tkinter, SQL / *Oct 2021 - Dec 2021*

- With the help of a **Convolutional Neural Network** (CNN) model that secured **94% accuracy** in classifying coronavirus infections using chest X-ray images. Utilized CNN techniques for feature mapping, improving the model's predictive capabilities, and implemented preprocessing and segmentation methods to identify lung nodules, contributing to early detection of COVID-19.