SASIDHAR GUTHI

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EDUCATION

University of Maryland, Baltimore County (UMBC) - Baltimore, MD — **Sep 2021 - May 2023**
Masters in Professional Studies, Data Science — *GPA: 3.8/4.0*

Andhra University (AU) - Visakhapatnam, Andhra Pradesh — **Aug 2015 - Jun 2019**
Bachelor of Technology in Electrical and Electronics Engineering

SKILLS

Data Engineering: Pyspark, Hadoop, MapReduce, YARN, Kafka, SQL Server, AWS, MySQL, Mongo DB, Snowflake, PL/SQL, Oracle
Programming Languages: Python, SQL, Flask, streamlit
Machine Learning: Scikit-learn, TensorFlow, Pytorch, Mllib, NLTK, Spacy, Text Blob
Data Visualization: Power BI, Tableau, Excel
Version Control & Collaboration: GIT

WORK EXPERIENCE

Data Analyst | Intelligenie | Charlotte, NC — **Jun 2023 – Present**
Python, SQL, Pyspark, Snowflake, Tableau, SQL Server, Hadoop, Machine Learning, Mongo DB, GIT, SAP, MS Excel.

- Improved sales forecasting accuracy by 18% through proficient data wrangling, statistical analysis, and predictive modeling using **Python**.
- Enhanced database efficiency by creating and executing **SQL scripts** for table and index updates, which streamlined data management processes.
- Reduced report creation time by 30% by designing and maintaining standardized **Tableau** templates, optimizing reporting workflows.
- Optimized stock management and reduced overstock instances by integrating **Tableau** with **SQL Server** to develop real-time inventory level dashboards.
- Decreased query response times by 40% through diligent performance optimization, employing query tuning and resource management techniques.
- Accelerated data processing time by 30% by developing and maintaining **ETL pipelines** using **SQL** and **Python**, which automated data handling tasks.

Data Analyst | TekInvaderZLLC | Arlington Heights, IL — **May 2022 – Aug 2022**
Tableau, AWS, Python, SQL, Pyspark, Snowflake, Machine Learning, NLTK, Hive, Hadoop, JSON, XML, MS Excel, GIT.

- Achieved a sales optimization increase from 13% to 27% over three months by generating and analyzing **Tableau** dashboards, showcasing the effective use of data visualization in identifying key market opportunities.
- Streamlined decision-making processes by creating custom data visualizations in **Tableau** to highlight KPI trends and facilitate strategic planning.
- Enhanced customer discount optimization by experimenting with machine learning algorithms using **Python Scikit-Learn**, achieving up to 94% accuracy in classification tasks.
- Strengthened data security and regulatory compliance by implementing role-based access control and data masking in **Snowflake**, achieving a 95% KPI in data governance standards.
- Saved 20 hours per month in data handling by developing automated **Python** workflows to streamline ETL processes, demonstrating efficient use of programming for operational efficiency.
- Leveraged **AWS Glue** to design and implement data pipelines, resulting in efficient data management and automation of the ETL process, underlining cloud computing skills.

Data Analyst | Infosys Ltd. | Hyderabad, India — **Sep 2019 - Aug 2021**
Python, SQL, S/4 HANA, SAP BASIS, SAP ABAP, Shell, Power BI, MS Excel, RPA, GIT, PL/SQL, Oracle.

- Ensured the SAP landscape's availability, performance, and security by managing and maintaining **SAP** systems, including system installations and upgrades.
- Provided technical support to clients, resolving performance bottlenecks and troubleshooting system issues, which contributed to the seamless operation of SAP-related functions.
- Proactively monitored **SAP** systems to maintain system health and optimized **PL/SQL** scripts for data maintenance, leading to enhanced system performance.
- Reduced resource consumption by 15% through regular database performance tuning and optimization, demonstrating effective database management skills.
- Streamlined data migration projects using **PL/SQL** scripts, ensuring accurate data transfer and validation and supporting business continuity.
- Improved database performance by 20% with regular **SQL** and **Shell** scripting for Maintenance and Production Support, showcasing a strong command of database administration.

PROJECTS

Histopathology Cancer Detection — **Feb 2023 – May 2023**

- Revolutionized histopathologic cancer detection by implementing **CNNs** and autoencoders, which enhanced image clarity and achieved a **97% AUC**, significantly improving diagnostic accuracy and efficiency for pathologists.

Speech Emotion Recognition — **Aug 2021 – Dec 2021**

- Advanced Speech Emotion Recognition using machine learning algorithms to classify emotions with high accuracy, outperforming standard models with tuned **MLP**, **KNN**, **Decision Tree**, **Logistic Regression**, and **CNN**.

CERTIFICATIONS

- **Google Advanced Data Analytics** — **Jun 2023**