SASIDHAR GUTHI

☎ 571-899-1692   ✉ guthisasidhar@gmail.com   **in**LinkedIn

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, REST API
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, REST API.

- Improved sales forecasting accuracy by 18% through proficient data wrangling, statistical analysis, and predictive modeling using **Python**.
- Utilized Python's Requests library to interact with **RESTful** endpoints, ensuring secure and efficient data transmission. This streamlined processes, enhanced system interoperability, and provided stakeholders with improved data accuracy and real-time access to critical information.
- Analyzed existing application programs and optimized SQL queries using execution plans, query analyzers, SQL Profiler, and database engine tuning advisor for a 20% increase in performance.
- Optimized **Snowflake** performance through query tuning and resource management, reducing query response times by 40% and accelerating report generation, thereby enhancing productivity**.**
- Developed and maintained ETL pipelines using **AWS Glue** and **Step Functions** to automate data extraction, transformation, and loading processes, reducing data processing time by 30%**.**
- Implemented a cost optimization strategy by leveraging **Snowflake's** cloud data warehouse capabilities and **AWS services**, resulting in a 40% reduction in infrastructure costs.
- Developed and maintained complex SQL queries and ETL pipelines within **Snowflake** to extract, transform, and load large datasets, ensuring data accuracy and integrity.
- Reduced report creation time by 30% by designing and maintaining standardized **Tableau** templates, and optimizing reporting workflows.
- **Optimized stock management and reduced overstock instances** by integrating **Tableau** with **SQL Server** to develop real-time inventory-level dashboards.

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.
- Wrote **spark SQL** and **spark scripts (Pyspark)** to validate the monthly Transformed raw data into actionable insights by incorporating various statistical techniques, data mining, data cleaning, data quality, and integrity utilizing Python (Scikit-Learn, NumPy, Pandas, and Matplotlib) and SQL.
- 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, within **SAP HANA** 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 **MLPC, KNN, Decision Tree, Logistic Regression,** and **CNN**.

CERTIFICATIONS

Google Advanced Data Analytics   **Jun 2023**