SARAN PAVAN KUMAR PAMIDIMARRI

CONTACT

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PROFILE

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EDUCATION

2022
Master of Science Computer Science
University of Missouri, Kansas City, MO

2019
Bachelor of Technology
GMRIT, Rajam, AP
GPA:- 8.43

SKILLS

Programming Languages:
Python, Scala, SQL, PySpark, Git, Java
Data Modeling and ETL:
ETL Processes, Data Warehousing, Data Modeling
Web Development:
HTML5, JavaScript
Machine Learning:
Logistic Regression, Decision Trees, Random Forests
Statistical Analysis:
Linear Regression, ANOVA, Chi-Square
Tools:
Tableau, PowerBI, Excel, SAS, SQL Playground, GCP BigQuery
Databases:
MySQL, PostgreSQL, AzureDB
Cloud Services:
AWS (S3, Redshift, Glue, EMR, EC2, Lambda), Azure (Data bricks, Data Lake, Datafactory Logic Apps, Azure cosmos DB, ADLS, Azure Synapse studio, Blob)
SQL Data Warehouse:
Implemented in both Azure (SQL Data Warehouse) and AWS (Redshift)

ACCOMPLISHMENTS

- Member of NSS team at GMRIT.
- Member of Red Cross Society at GMRIT.
- Member of TCS Vision and Mission team, where we organize events related to the environment.
- Active participant in various sports such as cricket, volleyball, etc.

- Experienced Data Engineer with over 6+ years of hands-on experience.
- Proficient in designing, developing, and maintaining robust data architecture.
- Skilled in data modeling, ETL processes, and database management.
- Leverages SQL, Python, and Apache Spark to optimize data pipelines for efficiency and performance.
- Demonstrates effective collaboration within cross-functional teams.
- Ensures successful implementation of scalable and reliable data solutions.
- Experienced with cloud platforms such as AWS and Azure for deploying and managing data infrastructure.
- Seeking a challenging role to apply expertise in data engineering and contribute to organizational success.

EXPERIENCE

December 2019 - November 2022
Senior Data Engineer *Tata Consultancy Services*, India
- Worked in analysis, design, and developing middleware using Java Servlets, JavaBeans, Microservices, Spring, focusing on enhancements and issue resolutions.
- Implemented database connectivity using JDBC with the MYSQL database as the backend, ensuring seamless data integration.
- Collaborated on the design of intelligent routine to extract terabytes of data across all Hospital sites, optimizing data extraction processes.
- Conducted GAP analysis between As-Is & To-Be processes, performed risk analysis of the existing system, and evaluated benefits of the new system, ensuring alignment with business objectives.
- Created Excel and Power BI reporting solutions that sourced data from SQL database queries, facilitating data-driven decision-making processes.

September 2019 - November 2019
ITIS Engineer *Tata Consultancy Services*, India
- Responsible for automation and orchestration of cloud services offerings on AWS.
- Designed, built, and maintained the database infrastructure, including creating database schemas, loading and unloading data, and managing S3 buckets and life cycle policies.
- Implemented and maintained automated build and deployment processes for applications using CI/CD practices, configuring and integrating build tools like Jenkins and GitLab CI/CD.
- Implemented Data warehouse solutions in AWS Redshift and managed various projects to migrate data from one database to AWS Redshift, RDS, ELB, EMR, DynamoDB, and S3.

August 2017 - August 2019
Data Engineer *Nxp Net Solutions*, Jodhpur, India
Client : Cashify
- Designed and implemented Statistical Analysis and Machine Learning algorithms, including Cluster Analysis, Association Rules, Linear and Logistic Regressions, Classification and Regression Trees, Naive Bayes, Text mining, Optimization, Bagging, Boosting, Random Forest, Neural Networks, and other Machine Learning algorithms.
- Utilized AWS Glue with Spark and Python to build Glue jobs for data transformations on unstructured data, loading them into DynamoDB.
- Queried, cleaned, processed, and modeled business data using SQL and Python libraries (NumPy, pandas, matplotlib ggplot2).
- Facilitated the implementation of continuous integration and continuous deployment (CI/CD) pipelines for automated testing and deployment of data solutions.
- Experienced in deploying and managing data solutions on Azure, including Azure Data Factory, Azure Cosmos DB, and Azure Synapse Analytics.