TEJA VEERAMACHANENI

• vtejasri15@gmail.com • https://www.linkedin.com/in/veeramachaneniteja/

SKILLS

- **Programming:** Python, SQL, R Programming
- **Frameworks:** Scikit-Learn, Matplotlib, Seaborn, Pandas, NumPy, PySpark
- **Tools:** Kubernetes, Docker, GIT, Databricks, Apache Airflow, Apache Spark, Hadoop, Power BI, Tableau, Kafka
- **Database:** SQL (MySQL, Oracle), MS Access, Snowflake, MongoDB
- **Platforms:** Linux, Web, Windows, AWS, Azure;
- **Key Abilities:** Mentorship, Strong Analytical Skills, Attention to Detail, Consistency, Efficient, Time Management

PROFESSIONAL EXPERIENCE

Data Engineering Intern | Edupanda Advanced Solutions   07/2022 – 05/2023

- Developed ETL pipelines with PySpark & Spark for large-scale data processing.
- Enhanced POS, logistics, and inventory data using SQL & PySpark, achieving 99.9% data consistency.
- Built real-time analytics dashboards in Databricks, improving decision-making by 40%.
- Streamlined ETL workflows with Apache Airflow, reducing manual effort by 60%.
- Configured scalable AWS-based infrastructure (S3, EC2, Glue) for cost-effective data processing.

ICOMPAAS: Python Developer Intern   03/2022 – 07/2022

- Created reusable UI components using React.js, improving system performance by 30%.
- Implemented state management with React Hooks and Redux, reducing API calls by 20%.
- Structured RESTful APIs using Flask/FastAPI for seamless backend communication.
- Automated CI/CD pipelines using GitHub Actions, accelerating deployment by 40%.

EDUCATION AND TRAINING

MASTER OF SCIENCE: Computer Science   08/2023 – 05/2025(Expected)
University of Central Missouri, Warrensburg, MO   3.55 GPA

BACHELORS OF TECHNOLOGY: Computer Science   08/2019 – 04/2023
Gudlavalleru Engineering College, AP, India   8.4 GPA

ACADEMIC PROJECTS

Predicting Patient Readmission Rates - Data Pipeline (Dec 2024)

- Engineered an ETL pipeline utilizing Apache Airflow and PySpark to handle 50,000+ patient records.
- Optimized query execution by 40% using partitioning and indexing in AWS Redshift.
- Orchestrated real-time data processing workflows, reducing manual intervention by 50%.
- Incorporated predictive models (Logistic Regression, Random Forest), improving readmission forecasting accuracy by 25%.

Market Basket Analysis - Scalable Data Pipeline for E-Commerce (Feb 2024)

- Designed an ETL pipeline with PySpark and SQL to process 1M+ e-commerce transactions.
- Streamlined structured transaction data in AWS Redshift/Snowflake, cutting query time by 40%.
- Constructed a recommendation engine using Apriori & FP-Growth for customer personalization.

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Strong foundation in AWS cloud services.
- AWS Certified Data engineer