VamsiKrishna Reddy SiddamReddy

vsiddam@okstate.edu | (405)-269-3367 | **LinkedIn**

SUMMARY

Data Analyst progressing toward data science, experienced in data integration, ETL optimization, and visualization with Python, SQL, Tableau, and AWS. Proficient in Python, Advanced Excel, SQL, Tableau and cloud services with a strong ability to create dashboards, identify trends, and deliver actionable insights to leadership. Recognized for transforming complex data into strategic recommendations that drive decision-making and operational efficiency. Tableau and Azure certified, with a proactive, detail-oriented approach and a collaborative mindset focused on driving measurable impact in data-driven teams.

WORK EXPERIENCE

Oklahoma State University, USA | Graduate Teaching Assistant (Management Information Systems)   **Aug 2023 – Present**

- Graded over 200 assignments and exams per semester, ensuring fair and accurate assessment of student performance.
- Designed 10+ course presentations, enhancing learning for over 50 students in Descriptive Analytics.
- Facilitated more than 15 discussion sessions, providing actionable insights from descriptive analytics, encouraging student contributions, and validating over 30 reports to foster innovation and enhance analytical skills.

Tata Consultancy Services, India | Assistant System Engineer   **Sept 2021 – July 2023**

- Created, analyzed, and optimized more than 50 ETL Glue jobs to transform and move data from S3 to Redshift.
- Resolved and addressed failures in Glue jobs, ensuring a **100% daily successful execution rate.**
- Migrated data from Salesforce to S3 using Jenkins pipelines, processing over **1TB of data** weekly.
- Executed SQL commands to **migrate data from S3 to Redshift**, performing DDL, DML, and Joins operations on Redshift data for seamless data integration.
- Regularly monitored and reviewed more than 100 Jenkins Pipelines, ensuring smooth operation and identifying areas for improvement.
- Led as Scrum Master, experienced in managing cross-functional teams to deliver projects on time and within budget.

Cognizant Technology and Solutions, India | Programmer Analyst Trainee   **Nov 2020 – Sept 2021**

- Validated email content based on relevant client conditions for almost 50 emails per week.
- Verified the Excel template format and notified clients of more than 20 exception scenarios monthly.
- Constantly monitored and examined GDPR to ensure smooth operation and identify areas for improvement.

PROJECTS   Aug 2023 – Present

UK Accident Report Management

- **Streamlined data cleaning, normalization, and processing** of UK road safety datasets using BCNF principles, pandas, and SQL. Enhanced data integrity and system efficiency by integrating with ODBC databases and implementing a logging system, reducing data retrieval times by **25%.**
- **Engineered and executed advanced OLAP queries** for dynamic report generation. Adapted workflows for a MongoDB environment, optimizing NoSQL database structures to accelerate data analysis and improve report generation speed by 30%.

Comprehensive Analysis of IPL Data (2008-2020)

- **Assessed and visualized IPL data** (2008-2020) from Kaggle and CricSheet using Tableau. Merged datasets via inner join to ensure data accuracy and created an interactive dashboard displaying **100+ matches per season** across multiple venues, enhancing data accessibility and user interaction.
- **Developed dynamic visualizations** to track IPL champions and the Orange and Purple cap winners annually, resulting in a **30% increase in dashboard engagement** by providing insightful trends and performance metrics to sports analysts and fans.

SKILLS

- **Programming/Scripting Languages:** Python (NumPy, Pandas), SQL, Bash, PowerShell, HTML5, CSS3
- **Data Visualization Tools/Packages:** Tableau, MS Excel
- **Databases:** NoSQL (MongoDB), MySQL Server, SSMS (ETL)
- **Cloud Tools:** AWS (S3, Glue, Redshift)
- **CI/CD Tool:** Jenkins
- **Software Development Practices:** Waterfall and Agile Models
- **Certifications:** Tableau Desktop Specialist, Azure Cloud Fundamentals from Microsoft (AZ-900)

EDUCATION

Master of Science in Management Information Systems | Oklahoma State University   **2023- 2025 (May)**

Relevant Coursework: Programming for Data Science, Data Warehousing, Descriptive Analytics,   **GPA: 3.88**