Venkata Sai Manohar Gedela

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Profile Summary

Data Analyst with 3+ years of experience delivering high-impact BI solutions, regulatory analytics, and cloud-based ETL pipelines across financial and healthcare sectors. Proven ability to create automated dashboards, optimize SQL queries, and lead ML-driven projects (e.g., ICU prediction model for NHS). Proficient in Tableau, Power BI, SQL, Python, and AWS with a passion for scalable data architecture and actionable insights.

Skills

BI Tools & Data Visualization: Tableau, Power BI, Excel, Qlik.

Machine Learning Tools: Pandas, Numpy, Scikit-learn, TensorFlow.

Cloud Computing: AWS, Jenkins

Languages: Python, SQL

ETL Processes & Data Quality: Data Transformation, Data Cleaning, Data Quality Assurance, Data Integration, Alteryx

Collaboration & Project Management: Git, JIRA, Agile Methodologies, Project Coordination

Certifications

- Google Data Analytics

Work Experience

Data Analyst, **INFONIX SOLUTIONS - UK** | Oct '23 - Aug '25

- Extensive knowledge and experience in producing tables, reports, and graphs using various procedures and handling large databases to perform data manipulations.
- Developed and maintained data visualizations and dashboards for key stakeholders.
- An excellent team player and technically strong person who has the capability to work with business users, project managers, team leads, and peers, thus maintaining a healthy environment in the project.
- Involved in requirement gathering, analysis, design, development, and delivery of business intelligence with stakeholders to manage delivery and BI solutions using Tableau.
- Conducted exploratory data analysis to identify trends, patterns, and insights.
- Developed, optimized, and maintained SQL scripts and databases. Performance tuning and optimization of SQL queries for improved efficiency.

Data Analyst / Tableau Developer, **HSBC - London, UK** | June '22 - Sept '23

- Designed and developed Tableau dashboards, KPIs, SLA & client survey dashboards for regulatory compliance analytics monitoring of product, sale, post-sale, and risk across HSBC business lines and sites.
- Independent Monitoring Reviewers (IMR) findings dashboards are based on severity, controls, target date-based calculations, risk acceptance statuses, and due date reporting.
- Discriminatory power dashboards for the models to correctly rank customers based on credit risk profiles.
- Automated manual reporting workflows using Excel VBA macros, reducing manual effort time by 40%.
- Designed 15+ Tableau dashboards for Regulatory Analytics, improving SLA visibility across 5 global teams.
- Utilized Alteryx for ETL processes to automate data extraction, transformation, and ingestion into Tableau dashboards.
- Automated JIRA story creation using Jenkins based on ServiceNow tickets for efficient task tracking and audit alignment.

Intern Data Analyst, **NHS - Sheffield, UK** | Feb '21 - May '21

- Built predictive ML model (Linear Regression, k-means) to optimize ventilator weaning time, contributing to improved ICU workflow efficiency.
- Integrated model insights into NHS clinical tools, enhancing decision-making support for doctors.

Projects

Market Basket Analysis & Recommendation Systems

- Developed a market basket analysis model using Apriori and FP-Growth algorithms to identify product association rules (support, confidence, lift).
- Performed data preprocessing, including missing value imputation, outlier detection, and exploratory data analysis to identify purchasing patterns.
- Extracted key features from transactional data and trained models to understand customer purchase behavior and bundling opportunities.
- Tuned model parameters and evaluated rule strength to improve recommendation accuracy and promotional targeting.
- Enabled merchants to offer personalized product bundles and promotions, enhancing upselling and cross-selling strategies.

Skills: Forecasting · Logical Approach · Data Conversion · Data Loading · Market Analysis · Statistics · Machine Learning

Sales Forecasting

- To provide a sales forecast (units), by week, for the next 52 weeks on all 4 products.
- The sales performance of last year.
- Summarizing how and why to forecast next year's numbers.
- Guessing the product names using the weather data.

Skills: Forecasting · Logical Approach · Data Loading · Exploratory Data Analysis · Tableau

Education

Master of Science : Data Analytics | **The University of Sheffield, Sheffield, United Kingdom**

Bachelors: Electronics and Communication | **VIT, Vellore, India**