KAVYA SRI KATLA

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PROFESSIONAL SUMMARY

Data Analyst with expertise in Excel, SQL, Python and Power BI Currently Pursuing an M.S. in Information Systems at Saint Louis University. Skilled in data cleaning, transformation, visualization, and business intelligence reporting. Experienced in data validation, ETL processes, and performance optimization. Passionate about data-driven insights to improve business intelligence and operational efficiency. I possess the ability to convert sophisticated data into useful business intelligence that helps decisions for operations and strategic development. I dedicate myself to using data analytics to create innovation solutions which resolve real-world issues through evidence-driven consulting and analytics

EDUCATION

Saint Louis University, St. Louis, MO
Master of Science in Information Systems | GPA: **3.87/4.0** | *Aug 2023 – May 2025*

WORK EXPERIENCE

Data Analyst | Cognizant Technology Solutions, Hyderabad, India | May 2022 – Mar 2023

- Designed and optimized banking for 20+ ETL pipelines using Azure Data Factory and SQL Server, integrating structured and unstructured financial data across multiple regions, enhancing real-time lending and risk analytics.
- Developed SQL-driven financial models, automating loan performance tracking, credit risk assessment, and profitability analysis, improving forecasting accuracy by 20%.
- Built Python-based anomaly detection models, identifying discrepancies in loan disbursement, repayments, and customer transactions, strengthening regulatory compliance and audit readiness by 35%.
- Implemented data standardization frameworks across loan products, customer segmentation, and credit scoring models, reducing reporting discrepancies by 25%.
- Designed and deployed Power BI dashboards, enabling banking stakeholders to track loan trends, customer default risks, and cross-sell opportunities, improving strategic decision-making speed by 50%.
- Leveraged Azure Synapse Analytics and Databricks for large-scale data processing, improving query performance and reducing data pipeline execution time by 40%.
- Ensured compliance with banking data governance and financial reporting standards, improving regulatory audit readiness.

Data Analyst | Quadient Technologies Pvt Ltd, Bengaluru, Karnataka | Mar 2018 – May 2022

- Designed and optimized ETL workflows, integrating structured and unstructured data from multiple sources, improving data accessibility for real-time analytics across 10+ business units.
- Automated reconciliation workflows, reducing manual effort by 60% and reported turnaround time from 5 to 2 days.
- Developed SQL and Power BI based financial reporting models, automating cost analysis and profitability tracking, leading to a 20% improvement in financial forecasting accuracy.
- Built predictive models in Python to analyze infrastructure performance, identifying inefficiencies and optimizing server allocations, reducing operational costs by $500K annually.
- Implemented a master data governance framework, streamlining data consistency across enterprise platforms, reducing data discrepancies by 20%.
- Designed and deployed Power BI dashboards, enabling business teams to track KPIs, revenue trends, and operational metrics, improving executive decision-making speed by 25%.
- Led an initiative to automate data reconciliation between transactional systems and reporting databases, reducing manual workload by 40% and improving reporting accuracy.

TECHNICAL SKILLS

- **Programming & Database:** Python, SQL (T-SQL, stored procedures), NoSQL, JavaScript (Node.js, React)
- **Data Visualization & BI:** Power BI (DAX, Advanced filtering, Dashboard design), Tableau, Google Data Studio
- **Data Engineering & ETL:** Data Cleaning, transformation, ETL processes, performance optimization

- **Software Testing & Automation:** Selenium, Manual & Automated Testing, Defect Tracking
- **Cloud & Security:** Microsoft Azure, Amazon Web Services (AWS), DevOps (CI/CD, GitHub Actions), Cybersecurity Basics (Nmap, Nessus)
- **Tools & Platforms:** SQL Server, SSMS, Jira, GitHub, Excel, PowerPoint.

CERTIFICATIONS

- **Data Analyst Associate, AI Fundamentals** – Data Camp
- **Power BI: Integrating AI and Machine Learning, Power BI Essential Training** – LinkedIn
- **SQL(Advanced)** – Hacker Rank
- **Microsoft Azure Fundamentals** – Microsoft Learn
- **Cloud Computing, Storage, Security -** AWS Cloud Badges
- **Selenium WebDriver with Java** – Udemy
- **SQL Certification, React JS Certification** – Frontlines EduTech

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PROJECT EXPERIENCE

E-Learning Employability Analytics Application Dashboard *Saint Louis University| Jan 2025 – May 2025*
- Led the development of a Power BI dashboard integrating Coursera, Udemy, and Skillsoft Percipio data to assess student job readiness.
- Designed the Employability Readiness Score using DAX, combining course completion, engagement metrics, and advisor effectiveness.
- Standardized and transformed multi-source data using Power Query, applying a unified skill taxonomy for consistent analysis.
- Implemented interactive filters and KPIs to help students evaluate learning paths and identify high-impact skills.
- Applied user-centered design based on student feedback to ensure clarity, interactivity and relevance of insights.

Data Visualization with U.S. Census Bureau Data; Housing and Economic Insights *Saint Louis University |Jan 2025 – Mar 2025*
- Developed interactive dashboards using Power BI, Visualizing housing and economic trends from U.S. Census Bureau data.
- Cleaned, transformed, and modeled data, applying DAX to create calculated columns and measures for in-depth analysis.
- Designed dynamic reports with filters and slicers to enhance user experience and facilitate data-driven decision-making.

Cybersecurity Systems Assessment & Vulnerability *Analysis* *Saint Louis University | Jan 2024 – Mar 2024*
- Conducted penetration testing & vulnerability scans using Nmap (Zen map) and Nessus Essentials.
- Identified security risks and provided risk mitigation strategies to improve cybersecurity defenses.

Data Visualization Associate Virtual Internship *Excelerate Global Internship Program | Jan 2024 – Feb 2024*
- Extracted and analyzed large datasets using Structured Query Language (SQL) and Python, reported accuracy by 30%.
- Developed interactive dashboards and data visualizations using Google Data Studio, Power BI, and Tableau, reducing manual reporting time by 40%.
- Identified key business trends, performance indicators (KPIs), and process inefficiencies, providing actionable insights.
- Streamlined ETL workflows, accelerating data refresh cycles from 24 hours to under 6 hours.

Digital Strategy Virtual Internship *Excelerate Global Internship Program | Jan 2024 – Feb 2024*
- Conducted market research and asset evaluation to enhance business strategies.
- Implemented the RACE Framework to analyze 10+ digital campaigns, boosting email CTR by 15% and social engagement by 25%.
- Optimized social media engagement, email campaigns, and customer targeting using data-driven insights.