ASHVAK GOVINDARAJULA

Data Analyst with AWS Certified Data Engineer certification and 2+ years of experience in **data pipeline optimization**, **reporting**, delivering impactful results such as a **50% reduction in reporting time** and **$500K in cost savings** through optimized ETL pipelines and dashboards. Skilled in **SQL**, **Python**, **Data Modeling**, with proven expertise in optimizing data workflows and collaborating across teams to deliver actionable insights. Experienced in working independently and collaboratively in international, agile teams.

[LinkedIn](#) | +49 15906327419 | [ashvakg.github.io](#) | [ashvak979@gmail.com](#) | [GitHub](#) | Leipzig, Germany

Experience

Junior Project Manager – BI and Project Management (Temporary Contract)   October 2024 - Present
Nikkiso Clean Energy and Industrial Gases – Leipzig, Germany
- **Introduced Business Intelligence Practices:** Established dashboarding, process automation, and ERP integration capabilities within two months, standardizing reporting frameworks to improve consistency and streamline project tracking, enhancing team efficiency by **30%.**
- **Dashboard Development:** Designed and deployed real-time Power BI dashboard to monitor KPIs, including project budgets, progress, and tasks, while reducing manual reporting time by **50%.**
- **Automated Workflows:** Optimized project update workflows using Power Automate, HTML, CSS, including A/B testing of automation strategies, improving process efficiency by **30%** and data accessibility for cross-functional teams.
- **ERP Integration:** Developed data models integrating ERP systems to automate data capture, ensuring real-time updates for procurement and financial tracking while enforcing data governance to enhance accuracy by **25%.**

Data Analyst Working Student   January 2023 – August 2024
Allianz Partners Health – Stuttgart, Germany
- **Enhanced Reporting Processes:** Developed client-centric dashboards, conducting A/B testing on design variations, which improved clarity in financial reporting and increased engagement in tracking **$2M** in transactions.
- **Developed Ad hoc Analysis:** Created 20+ interactive dashboards in MicroStrategy, supporting data-driven decisions and process optimization across teams.
- **SQL Automation:** Built SQL-based reporting workflows, incorporating A/B testing of anomaly detection algorithms, which enabled early detection, **saved $500K** for a key client, and improved team efficiency by **20%.**
- **Database Optimization**: Optimized PostgreSQL data warehouse to extract **1M+** records with complex SQL queries, automating reports and cutting processing time**.**
- **Stakeholder Engagement**: Collaborated with stakeholders and presented financial dashboards, delivering actionable insights that guided strategic decisions for a **$20M** client portfolio.
- **Process Documentation:** Updated and documented data models to align with new business requirements, improving data retrieval efficiency by **20%** and ensuring smooth knowledge transfer.

Data Analyst Intern   November 2021 - June 2022
Allianz Partners Health – Stuttgart, Germany
- **Trend Analysis:** Conducted trend analysis that drove a 10% increase in premiums, providing actionable insights for optimizing financial performance.
- **Efficiency in Quality Management:** Implemented advanced SQL queries and validation processes, enhancing dashboard delivery efficiency by 15%.
- **Cross-Team Collaboration:** Partnered with account managers and underwriters to align data analysis efforts with business objectives, ensuring relevance in reporting and actionable outcomes.

Assistant System Engineer   September 2019 - March 2020
Tata Consultancy Services – Chennai, India
- **Improved IT Infrastructure Performance:** Enhanced IT infrastructure performance by 8% through data cleaning and visualization, optimizing system availability.
- **Ensured Data Integrity:** Conducted regular data quality checks and audits, reducing discrepancies by **15%** and enhancing the reliability of financial and operational data by **20%.**

Education

University of Stuttgart – Germany   April 2020 – September 2024
MSc Electrical Engineering

SCSVMV University – India   August 2015 – May 2019
Bachelor's in Electrical and Electronics Engineering

Portfolio Projects

Scalable Data Pipeline for Clickstream Analytics Using AWS

- Architected a Scalable Data Pipeline: Designed and implemented a system capable of processing **1M+** clickstream events/hour using AWS DynamoDB, Kinesis Firehose, Lambda, S3, and Redshift with sub-second latency.
- Enhanced Data Transformation: Built real-time data enrichment pipelines via AWS Lambda, accelerating data preparation for advanced analytics by **50%**.
- Automated End-to-End Workflow: Streamlined data ingestion, transformation, and storage processes, reducing manual intervention by **90%** and improving system reliability.

Unlocking Zomato's Supply Chain Efficiency: Power BI and Predictive Modeling

- Utilized Python (Pandas) to process and clean large datasets, ensuring data consistency and accuracy for subsequent analyses.
- Developed a robust data pipeline leveraging S3 for ingestion and Redshift serverless for warehousing to handle data processing efficiently.
- Developed **15+** DAX measures and metrics in Power BI, leading to identifying trends and potential delivery issues. Mapped key insights with Matplotlib.
- Accomplished rigorous testing for predictive models (XGBoost, Random Forest, & Linear Regression) using scikit-learn, achieving a performance of **4.8 Mae for XGBoost**, enhancing prediction accuracy.

Claims Performance Analysis: Comprehensive Power BI Dashboard for Policy Evaluation

- Leveraged Python for initial data exploration and cleansing to uncover claim-cost disparities, provider dominance, and seasonal cost variations, revealing inefficiencies and key patterns.
- Built a user-friendly, dynamic dashboard for in-depth claims analysis, highlighting provider and claim type trends.
- Applied DAX formulas to calculate key metrics like average claim costs, provider contributions, and claim frequency.
- Utilized advanced techniques in Power BI for accurate data handling, ensuring precise and actionable insights.
- Investigated high utilization reasons, uncovering trends in physical illness claims and high-cost in-patient cases.

Skills

- Data Engineering: AWS (S3, EC2, Glue, Athena (PySpark), Redshift, RDS, DynamoDB, Lambda, EBS/EFS, EMR)
- Programming: Python, SQL, HTML and CSS
- Database: PostgreSQL
- Business Intelligence: Power BI, MicroStrategy, Tableau
- Version Control & Collaboration: Git, Jira, Confluence, Microsoft Loop
- Soft Skills : Agile practices, Stakeholder management, Cross-Functional Collaboration

Certifications

- AWS Certified Data Engineer Associate, July 2024
- Data Analytics Silver Module at Allianz PC academy, 2023
- Google Professional Data Analytics certification, 2022
- Intermediate Machine Learning LinkedIn badge, 2022

Languages

English (C2) | German (A2) | Telugu (C2) | Hindi (C1) | Tamil (C2)