Naga Sumanth Vema

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SUMMARY

Data Engineer/Analyst with over 2 years of experience and 7+ months as a Data Analyst Intern/Co-op. Skilled in python, sql, data analytics with a strong focus on data visualization, including expertise in tools like Power BI, Microsoft Suite and ETL pipelines using Databricks. Proven ability to transform complex data into actionable insights, improving decision-making and efficiency. Adept at leading projects and managing cross-functional teams. Strong coding abilities, combined with a proactive approach to problem-solving.

EDUCATION

Masters. Information Technology	January 2023 - December 2024
Arizona State University, Tempe, AZ	4.00 GPA
Analyzing Big Data, Data Visualization & Reporting, Cloud Architecture, Advanced DBMS	
B.Tech. Computer Science	June 2016 – May 2020
SRM University, Chennai, India	3.55 GPA

TECHNICAL SKILLS

Programming Languages: DAX, Python (Bokeh, NumPy, Pandas, Scikit-learn), SQL, R, Java, Scala, JavaScript, C, C++, Bash

Databases: NoSQL, DB2, MySQL, PostgreSQL

Tools and Technologies: Power BI, Power Apps, ERP Data Systems, CRM and Testing, Snowflake, Databricks, Power Automate, Share point, MS Forms, Big Data Analytics, Machine Learning algorithms, Informatica ETL, AWS Glue, Tableau, Excel, Git, GitHub, SSIS, SSRS, Windows, MacOS, Linux/Unix, Jira, Bitbucket, Microsoft Office 365.

Other Skills: A/B and statistics testing**,** Data management, Data Warehousing, Data Mining, Project Management, Attention to detail, Domain Knowledge, Agile Methodology and Effective communication.

PROFESSIONAL EXPERIENCE

Data Analyst Intern, Desert Financial Credit Union, Phoenix, United States.   May 2024 - December 2024

- Leveraged advanced SQL queries to extract, transform, and analyze complex HR datasets and built dynamic HR Metrics Power BI dashboards like Retention and Termination, contributing to a 25% improvement in decision-making speed.
- Created 15+ detailed process maps using Visio, reducing process bottlenecks by 20% and identifying key areas for improvement in HR workflows.
- Collaborated with cross-functional teams across 4 departments and used Power Apps alongside SQL-driven automation to build apps ensuring accurate process documentation, leading to a 15% improvement in communication.
- Managed 3 financial projects, coordinating tasks, timelines, and resources, resulting in on-time delivery and a 10% increase in project efficiency.

Junior Data Engineer, Infosys, Hyderabad, India.   January 2020 - December 2022

- Developed and maintained scalable ETL pipelines using Informatica, Databricks, and Python, enabling seamless data integration from multiple source systems into Snowflake for enterprise analytics.
- Wrote optimized SQL queries, stored procedures, and views to perform complex data transformations, aggregations, and quality checks, supporting operational dashboards and regulatory reporting.
- Designed and implemented data warehouse models using star and snowflake schemas, improving query performance, and enabling faster insights for Power BI reports.
- Automated data workflows using Apache Airflow, and integrated with Git and Azure DevOps to support continuous integration, version control, and production deployments.
- Collaborated with cross-functional teams to gather business requirements, perform data mapping, and translate them into technical specifications for reporting and analytics solutions.
- Provided end-to-end production support and troubleshooting for data pipelines, performing root cause analysis, performance tuning, and incident resolution within defined SLAs.

ACADEMIC PROJECTS

- Built an end-to-end customer churn prediction pipeline using Python, Scikit-learn, AWS S3, and Airflow, including automated data ingestion, preprocessing, model training, evaluation, and deployment with SHAP-based interpretability, achieving 85% accuracy and supporting weekly churn insights.
- Developed an executive-level sales performance dashboard in Power BI integrated with SQL Server, using advanced SQL (CTEs, window functions) for backend modeling, DAX for KPI logic, star schema design, and row-level security (RLS) to deliver secure, dynamic, and fully automated reporting for leadership teams.