## Contact

Fairfax, Virginia, US
5716639406 (Mobile)
harshasappamano@gmail.com

www.linkedin.com/in/manoharshasappa (LinkedIn)
github.com/ManoHarshaSappa (Other)
www.notion.so/MANO-HARSHA-SAPPA-306d9062ca8f80ee96c6d9bc (Portfolio)


## Top Skills

SQL Server Integration Services (SSIS)
Azure Data Lake
SQL Server Reporting Services (SSRS)

## Languages

English (Professional Working)

## Certifications

AWS Certified Data Engineer – Associate
AWS Academy Cloud Foundations
Salesforce Certified Agentforce Specialist
DevOps Foundations: Microservices
Generative AI - A Way of Life

## Honors-Awards

Research Paper Presentation and Best Paper Award – CITAES'22

## Publications

Implementation and Analysis of Parallel Prefix Adders using FPGA

# MANO HARSHA SAPPA

Analytics Engineer | Turning Complex Data into Scalable Models & Business Insights | Snowflake, dbt, SQL, Python
Fairfax, Virginia, United States

## Summary


Hi, I'm Mano Harsha Sappa, a Data Engineer & Analytics professional.

• Build and manage cloud data infrastructure across AWS (S3, EC2, IAM) and Azure (Data Factory, Databricks, Synapse, Azure SQL) to enable scalable analytics workflows and secure data environments.
• Automate cloud infrastructure with Terraform (IaC) to deploy consistent, repeatable environments for storage, compute, networking, and access controls.
• Design ETL pipelines and deliver analysis-ready datasets with rigorous quality validation, supporting data-driven decision-making across engineering and research projects.
• Partner with cross-functional teams to translate business requirements into secure, reliable data solutions.

Programming Skills:  Python, SQL, PySpark
Database Skills:  PostgreSQL, MySQL, MS SQL Server, Azure SQL Database, Synapse SQL
Analytical Skills:  Data cleaning & preprocessing, EDA, feature engineering, KPI reporting, data validation/quality checks, statistical analysis, model evaluation


## Experience

### Cigna Healthcare
Analytics Engineer
July 2025 - Present (9 months)
Montana, United States

Built ELT pipelines using Snowflake, dbt, and AWS S3 to process healthcare claims data, improving data
availability by 35% and reducing manual data preparation across analytics workflows

Redesigned dimensional data models for claims and financial reporting, reducing dashboard latency by 40%
while improving query performance and enabling faster data access for operations and finance stakeholders
Optimized SQL transformations using CTEs and window functions, increasing query efficiency by 30% and
enabling creation of reusable datasets supporting reporting and downstream analytics use cases.
Standardized KPI definitions across analytics and business teams, reducing reporting discrepancies by 25% and
improving alignment on metrics used for operational and financial decision making processes.
Implemented Python-based validation and anomaly detection checks, reducing reporting errors by 20% while
improving data quality and strengthening reliability of analytics outputs across production workflows.
Delivered Power BI dashboards for operations and finance teams, improving visibility into claims trends and
performance metrics while enabling faster and more informed data-driven decision making.
# Introduced dbt testing and monitoring practices, reducing pipeline failures by 30% and ensuring consistent
delivery of analytics-ready datasets across reporting and business intelligence systems.
Collaborated with engineering teams on schema design and ingestion processes, improving pipeline scalability,
system performance, and enabling efficient integration of healthcare data across analytics platforms.

## Accenture
### Data Analyst
April 2021 - December 2023 (2 years 9 months)
India

Built scalable SQL pipelines integrating multiple data sources, improving reporting efficiency by 40% and
enabling structured access to analytics datasets across healthcare and financial business domains.
Developed dimensional models and curated data layers, reducing manual reporting effort by 50% and ensuring

consistent metric definitions across dashboards and analytics workflows used by business teams.
Delivered Power BI and Tableau dashboards aligned with key performance indicators, enabling stakeholders to
track operational performance and make faster, data-driven decisions across multiple business functions.
Automated reporting workflows using Python and SQL, reducing report turnaround time by 60% while
improving reliability and consistency of reporting processes across analytics and business teams.
Performed trend analysis and forecasting to identify performance gaps, contributing to 15% improvement in
operational efficiency and supporting data-driven planning initiatives across business functions.
Implemented data validation and lineage practices across transformation workflows, improving data reliability
and ensuring consistent outputs across analytics pipelines and reporting systems used by stakeholders.
Collaborated with business and engineering teams to translate requirements into structured datasets,
supporting scalable analytics use cases and improving usability of reporting data across multiple functional
teams.
Worked with Azure Data Factory to orchestrate data pipelines and integrate multiple data sources, improving
data ingestion efficiency and enabling structured data movement across analytics and reporting systems
Utilized Azure SQL and cloud storage services to manage and process datasets, supporting scalable reporting
solutions and ensuring reliable data availability for business intelligence and analytics use cases

### Wipro
### Data Analyst
August 2019 - March 2021 (1 year 8 months)
India

Wrote SQL queries for data extraction and transformation, improving reporting accuracy by 25% and enabling
consistent access to structured datasets supporting business reporting and operational analytics use cases.

Built Power BI dashboards to track operational and financial metrics, improving visibility and enabling
stakeholders to monitor performance and make informed decisions across business and analytics teams.
Performed data cleaning and validation processes, reducing inconsistencies by 20% and improving reliability of
datasets used for reporting, analysis, and decision making across multiple business functions.
Supported transition from manual reporting processes to automated workflows, improving efficiency, reducing
repetitive tasks, and enabling scalable data processing across business operations and analytics systems.
Conducted exploratory data analysis to identify trends and patterns, providing actionable insights that
supported business teams in improving operational performance and decision making across functional areas.

## Education

### George Mason University

Master's degree, Data Analytics Engineering · (2024 - December 2025)

### Jawaharlal Nehru Technological University, Kakinada

Bachelor of Technology - BTech, Electronics and Communications Engineering · (June 2018 - August 2022)