Sai Priyanka Annadasu

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WORK EXPERIENCE

Centene Corporation   **St. Louis, MO**
Data Analyst   *July 2023 – Present*

- **Improved HEDIS compliance insights across 8+ regions** by analyzing **4.5M+ member records** using **SQL, Python (Pandas, SciPy), and Snowflake**.
- **Increased analytics delivery speed by 40%** by engineering an automated reporting pipeline in Python, accelerating decision-making across chronic care teams.
- **Enhanced clinical quality scoring by 28%** by designing and deploying dimensional data models in Azure Synapse, enabling faster and more accurate payer-side analytics.
- **Reduced risk of regulatory breaches by 70%** by embedding HIPAA-compliant masking and access controls into every reporting workflow used across 5+ business units.
- Collaborated with payer executives **to define key performance indicators (KPIs)** and **designed customized dashboards** that addressed specific monitoring needs, **increasing user satisfaction by 40%**.

MasterCard   **New York, NY**
Data Analyst   *January 2023 – June 2023*

- **Saved $480K+ in fraud losses** by **analysing large-scale financial data** in **AWS Redshift using SQL** and predictive **machine learning models**, including **NLP techniques** to extract intent patterns from transaction notes.
- **Reduced investigation cycles by 65%** by launching **Tableau dashboards** that visualized budget-impacting fraud trends across **merchants, locations, and time**.
- **Lowered false positives by 22%** through iterative **A/B testing** and deployment of classification models on historical transaction data stored in **AWS S3** and **Redshift**.
- **Cut 15+ hours/week of manual effort** by replacing **legacy Excel reports** with **automated fraud pipelines** using **Python**, Power Query, and AWS-based storage and compute.
- **Ensured GDPR compliance across financial datasets** by building audit-ready workflows that encrypted sensitive data (data encryption), enforced access controls, and maintained traceability via **Git and Bitbucket**.

Mastek   **India**
Data Analyst   *January 2020 – June 2023*

- **Achieved 98% data accuracy** during legacy **EHR migration** by leading data cleansing, profiling, and transformation efforts in **Snowflake and Oracle.**
- Developed a suite of **10+ SQL-based data quality audits** that automatically flag inconsistencies in patient records, improving the accuracy of **key performance indicators (KPI) by 15%**, and improving the clinical data insights.
- Improved data quality monitoring by developing **SQL-based data audits** and **Python-based error tracking scripts, ensuring clean healthcare data pipelines.**
- **Boosted self-service analytics adoption** by integrating source systems with **Azure Data Factory,** reducing dependence **on IT by 45%.**
- **Upheld HIPAA** and **governance standards by** embedding role-based access**, masking sensitive data,** and **documenting** lineage for reporting workflows.

EDUCATION

University of Findlay   **Findlay, OH**
MS in Health Informatics (GPA: 3.9)   *Graduation Date: December 2023*

KC Reddy Institute of Pharmaceutical Sciences   **Guntur, India**
BS in Pharmacy (GPA: 3.23)   *Graduation Date: August 2021*

PROJECTS

Building a Global Coronavirus (COVID-19) Dashboard with SQL & Tableau (link)   July 2025

- Designed and developed a multi-page interactive Tableau dashboard by analyzing COVID-19 deaths and vaccination data using SQL Server, uncovering trends in global infection rates, death percentages, and vaccine progress across 150+ countries.

Analyzing the Impact of Telemedicine on Heart Failure Patients Using Data from EHR Systems (link)   October 2022

- Analysed real-world EHR data, led remote patient monitoring usability studies, and tested a telemedicine prototype to improve care escalation, reduce hospital readmissions, and enhance clinical decision-making.

SKILLS & CERTIFICATIONS

Languages & Tools: SQL, Python (Pandas, NumPy), Excel, Git
Analytics & Statistics: Data Cleaning, EDA, A/B Testing, ANOVA, Regression, KPI Reporting
BI & Visualization: Tableau, Power BI
Databases & Cloud Platforms: Snowflake, Redshift, BigQuery, SQL Server, Azure Synapse, Azure, AWS
ETL & Automation: Azure Data Factory, Power Query, Python-based Automation
Healthcare & Compliance: HIPAA, GDPR, FHIR standards, CPT & ICD-10 coding
Certifications: HIPAA Certified, SQL for Data Analysis, Python for Data Analysis, Power BI Dashboards