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.
- Engineered audit-ready workflows across financial datasets, incorporating data encryption, enforced access controls, and Git/Bitbucket traceability, surpassing GDPR compliance standards and avoiding potential fines of $500k.

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