

SAI PRIYANKA ANNADASU

Data Analyst

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PROFESSIONAL SUMMARY

- Over **4+** years of experience as a **Data Analyst**, specializing in **healthcare** and **financial** domains with expertise in delivering actionable insights from complex data sets.
- Advanced skills in **SQL**, **Python (Pandas, NumPy, SciPy, Scikit-learn)**, **R**, and **Microsoft Excel** for data extraction, transformation, **statistical analysis**, and **reporting**.
- Proficient in developing **data visualizations**, executive dashboards, and **ad hoc** reports using **Power BI**, **Tableau**, and **Looker** for performance and **KPI** tracking.
- Strong experience in **data modeling (dimensional, star/snowflake schemas)**, **data mapping**, **profiling**, data cleansing, and validation across **Snowflake**, **Redshift**, **Oracle**, **SQL Server**, **BigQuery**, and **PostgreSQL**.
- Hands-on expertise with **cloud** data analytics (**AWS**, **Azure Synapse**, **Google BigQuery**), and **ETL** tools such as **Informatica**, **Talend**, and **Azure Data Factory** for self-service analytics and workflow automation.
- In-depth knowledge of healthcare data standards (**FHIR**, **ICD-10**, **SNOMED CT**, **LOINC**, **CPT**), regulatory compliance (**HIPAA**, **GDPR**), data privacy, masking, encryption, and data governance.
- Collaborative **team player** with experience in **Agile (JIRA, Scrum)**, requirement gathering, **CRM integration**, **NLP**, **ML**, **technical documentation**, and version control using **Git**, **GitHub**, and **Bitbucket**.

TECHNICAL SKILLS

- Data Analysis:** Advanced SQL, Python (Pandas, NumPy, SciPy, Scikit-learn), R, Microsoft Excel, Statistical Analysis (ANOVA, Regression, Hypothesis Testing), A/B Testing
- Data Visualization & Business Intelligence:** Tableau, Power BI, Looker
- Databases:** Snowflake, PostgreSQL, MySQL, Oracle, Microsoft SQL Server, Amazon Redshift, Google BigQuery
- Data Modeling:** Dimensional Modeling, Star/Snowflake Schema, Data Mapping, Data Profiling
- Data Cleansing & Validation:** Python (Pandas), SQL, Data Quality Checks, Data Audits, Exploratory Data Analysis (EDA)
- Cloud Data Analytics:** AWS (S3, Redshift, QuickSight), Azure Synapse, Google BigQuery
- Reporting:** Ad Hoc Reporting, Executive Dashboards, KPI Creation, Performance Metrics Visualization
- Stakeholder & Cross-Functional Collaboration:** Agile Methodologies (JIRA, Scrum), Technical Documentation, Requirement Gathering, CRM Integration
- Data Compliance & Security:** HIPAA, GDPR, Data Masking, Encryption, Data Governance
- Healthcare Data Standards:** FHIR, ICD-10, SNOMED CT, LOINC, CPT
- ETL Tools (Data Analyst Focus):** Informatica (for data preparation and cleansing only), Talend, Azure Data Factory (for self-service analytics)
- Version Control:** Git, GitHub, Bitbucket
- Workflow Automation:** Python Scripting, Power Query, Automated Reporting, Automation Testing
- Advanced Analytics:** NLP (Natural Language Processing), ML (Machine Learning)

CERTIFICATIONS

- HIPAA Certification: American Health Training 2025
- SQL for Data Analysis: LinkedIn 2025
- Python Data Analysis: NASBA CPE 2025
- Building dashboards in Power BI: WHO 2024
- Data Analysis using Microsoft Excel: Coursera 2023
- Microsoft Excel Projects: Coursera 2023

PROFESSIONAL WORK EXPERIENCE

Centene Corporation | Data Analyst | St. Louis, MO

Jul 2023 – Present

Responsibilities:

- Utilized advanced **SQL** and **Python (Pandas, NumPy, SciPy)** to extract, cleanse, and analyze large-scale healthcare datasets for KPI reporting and compliance with **HIPAA**.
- Developed robust **Power BI** and **Tableau** dashboards to visualize trends in **HEDIS** measures, chronic care outcomes, and **high-risk** patient **cohorts** for executive decision-making.
- Applied statistical analysis techniques including **ANOVA**, **regression**, and **hypothesis testing** to evaluate clinical interventions and operational efficiency.
- Conducted dimensional **data modeling**, designing star and **snowflake schemas** for efficient analytics in **Snowflake** and **Azure Synapse** environments.

- Executed comprehensive **data quality** checks, **exploratory data analysis (EDA)**, and **data profiling** to ensure high standards of **data accuracy** and **integrity** across reporting streams.
- Automated recurring **reporting** and metric **validation** using **Python scripting**, **Power Query**, and **JIRA**, increasing reporting efficiency by **40%**.
- Collaborated cross-functionally with **business stakeholders**, **QA**, and **IT** teams using **Agile/Scrum** methodologies to translate business requirements into actionable analytics solutions.
- Implemented healthcare coding standards including **ICD-10**, **CPT**, **LOINC**, **SNOMED CT**, and **FHIR** to enhance clinical data **interoperability** and **governance**.
- Maintained compliance with **data** privacy standards, performing **data masking** and encryption on sensitive datasets as per organizational and **HIPAA** regulations.
- Produced executive dashboards and **ad hoc reports** to support strategic **scenario analysis**, resource allocation, and regulatory submissions.
- Leveraged **Informatica** and **Talend** for self-service analytics, optimizing preparation and integration of multi-source data for advanced reporting.
- Managed **version control** and workflow automation using **Git**, **Bitbucket**, and **Python** to ensure transparency, traceability, and continuous improvement in analytics delivery.

Environment: SQL, Python (Pandas, NumPy, SciPy), Power BI, Tableau, Azure Synapse, Snowflake, Informatica, Talend, Agile (JIRA, Scrum), HIPAA, ICD-10, CPT, LOINC, SNOMED CT, FHIR, Data Masking, Data Encryption, Git, Bitbucket, Power Query, Statistical Analysis, Data Modeling, Data Profiling, Data Quality Checks, EDA, Executive Reporting, Data Governance, Automation, Version Control

MasterCard | Data Analyst | New York, NY

Jan 2023 – Jun 2023

Responsibilities:

- Analyzed large transaction data in **AWS (Redshift, S3)** and **Snowflake** using **SQL** and **Python** for fraud detection.
- Built **Tableau** and **Power BI** dashboards to show key fraud metrics, anomaly trends, and chargebacks.
- Created data models and performed **data mapping** for insights on payments and merchants.
- Used **statistical** analysis and **A/B testing** to improve **fraud detection** and reduce false positives.
- Cleaned and validated transaction data for improved accuracy and quality.
- Automated **reporting** tasks with **Python** scripting and **Power Query** to save time and improve results.
- Worked with business teams in **Agile (JIRA, Scrum)** to define data needs and reporting solutions.
- Followed **data governance**, **GDPR**, and privacy **rules** for handling sensitive data.
- Used **Git** and **Bitbucket** for version control of analytics **scripts** and **reports**.
- Applied **NLP** and **ML** to **fraud** data for predictive analytics and enhanced fraud profiling.

Environment: SQL, Python (Pandas, NumPy, Scikit-learn), Tableau, Power BI, AWS (Redshift, S3), Snowflake, Data Modeling, Data Mapping, A/B Testing, Data Cleansing, Data Validation, Reporting Automation, Power Query, Agile (JIRA, Scrum), Data Governance, GDPR, Git, Bitbucket, NLP, ML, Fraud Analytics, KPI Reporting

Mastek | Data Analyst | India

Jan 2020 – Dec 2021

Responsibilities:

- Coordinated the **cleansing**, **profiling**, and migration of legacy healthcare data into **Snowflake** and **Oracle** databases, ensuring **98%** data accuracy.
- Created and updated dashboards in **Power BI** and **Tableau** for clinical and operational reporting.
- Used **SQL** and **Python (Pandas)** to check data quality and find **data errors** in hospital data.
- Prepared **ad hoc** reports for **healthcare** teams to help with planning.
- Assisted with **Azure Data Factory** processes to improve data access for business users.
- Used statistical methods for **KPI creation** and performance analysis in clinical departments.
- Worked with **business analysts** and **QA** to write documentation and support testing in **Agile** teams.
- Followed **data governance** and **HIPAA** standards for data privacy and compliance.
- Used **GitHub** to manage versions and updates for analytics dashboards and workflows.

Environment: SQL, Python (Pandas, NumPy), Power BI, Tableau, Snowflake, Oracle, Azure Data Factory, Data Cleansing, Data Profiling, Data Quality, KPI Creation, Executive Dashboards, Statistical Analysis, Data Governance, HIPAA, Agile (JIRA, Scrum), Data Mapping, GitHub, Automated Reporting

EDUCATION

- **Master of Science in Health Informatics** from The University of Findlay, OH, USA.
- **Bachelor of Science in Pharmacy** from KC Reddy Institute of Pharmaceutical Sciences, India.