

Aditya Kumar

Hyderabad, India | Open to Relocation

📞 +91 7981103605 ✉️ adityarkumar.data@gmail.com

🌐 LinkedIn 🐙 GitHub



Professional Summary

Healthcare Data Analyst with 3+ years of experience working with healthcare data, including data analytics, clinical code mapping, data normalization, and EMR/EHR systems. Expert in translating proprietary clinical concepts to standard vocabularies (ICD-10, CPT, LOINC) to support audit-ready regulatory reporting. Proven ability to leverage AI-driven automation and SQL to streamline data governance, reduce mapping errors by 30%, and support enterprise-level clinical decision-making.

Experience

Florida Department of Health

01/2025 – 06/2025

Healthcare Data Analyst

Jacksonville, FL

- **Improved clinical data integrity by 30%** by standardizing proprietary EMR/EHR codes to standard terminologies (ICD-10, CPT) through rigorous **clinical code mapping and normalization operations**.
- **Ensured 100% audit readiness** for regulatory reporting by establishing **governance processes** and maintaining detailed traceability documentation for code mappings and transformation logic.
- **Validated normalized outputs** by performing **User Acceptance Testing (UAT)** and reconciling clinical datasets against authoritative reference sets, surfacing 12+ specification inconsistencies.
- **Streamlined clinical workflows** by collaborating with informaticists and clinicians to resolve conflicting EMR codes, reducing manual data processing time by 15%.

Internships

Global Health Initiative

01/2024 – 12/2024

Data Analyst Intern

Athens, OH

- **Developed a specification-driven analytics pipeline** by mapping ICD-10 diagnosis codes across 100,000+ inpatient records, improving the accuracy of high-risk patient identification by 20%.
- **Automated clinical code reconciliation** by leveraging **AI-driven techniques** to identify mapping exceptions and resolve conflicting medication and lab codes.
- **Standardized data governance** by utilizing Git to manage version control and change control processes for annual ICD releases, ensuring reporting consistency for cross-functional peer reviews.
- **Optimized ETL workflows** by processing multi-source surveillance data and performing complex multi-table SQL joins, identifying 12+ states below national benchmarks to support strategic resource allocation.

Ohio University

01/2023 – 04/2024

Research Assistant

Athens, OH

- **Secured \$46,000 in grant funding** by structuring community health databases and translating raw metrics into evidence-backed business narratives for program stakeholders.
- **Enhanced data quality** by performing rigorous QA validation and discrepancy resolution on community health datasets, ensuring alignment with program requirements and reporting objectives.

AJ Dental Care

02/2020 – 02/2022

Associate Dentist

Hyderabad, India

- Provided comprehensive dental care and maintained accurate patient records across routine and complex clinical cases.
- Managed electronic health records (EHR), documenting patient histories, diagnoses, treatment plans, and clinical outcomes while maintaining data accuracy and confidentiality.

Projects

Customer Analytics & Revenue Insights	Python, MySQL, Power BI
Designed an end-to-end analytics solution using Python, MySQL, and Power BI to analyze customer segmentation, revenue trends, and product performance across 10,000+ records, delivering KPI dashboards, business insights, ROI analysis, and interactive visualizations supporting commercial analytics and strategic decision-making.	
Influenza Vaccination Coverage Analysis (2009–2024)	SQL (MySQL), Tableau
Built a reproducible ETL pipeline processing 15 years of CDC surveillance data across all 50 U.S. states using multi-table MySQL queries and benchmarking logic, identifying a 34% vaccination coverage gap visualized through an interactive Tableau dashboard supporting targeted public health interventions.	
Diabetes 30-Day Readmission Prediction	R (tidyverse, caret, randomForest)
Trained logistic regression and random forest models on 100,000 EHR records using ICD-10 codes, discharge disposition, and medication history as predictive features, producing a risk stratification framework that improved early identification of high-risk diabetic patients by 20%.	

Skills

Clinical Interoperability & Governance: Clinical Code Mapping (ICD-10, CPT, NDC, LOINC), Data Normalization, Terminology Governance, Audit/Traceability, EMR/EHR Data, Healthcare Claims Analytics (Open/Closed)	
Data & Analytics: Advanced SQL (PostgreSQL, MySQL, Stored Procedures, Query Optimization), ETL/ELT Pipelines, Dimensional Modeling (Star/Snowflake Schema), Data Validation, UAT (User Acceptance Testing), Change Control	
Technical Toolkit: Python (Pandas, NumPy), R (tidyverse, caret), Power BI (DAX, Power Query, Drill-through), Tableau, Git, SAS	
AI & Methodology: Applied AI Tools for Process Improvement, Regression Analysis, Machine Learning, QA Validation, Data Discrepancy Resolution, Reporting Automation	
Collaboration: Cross-functional Stakeholder Engagement, Clinical Intent Documentation, Proactive Problem-solving, Cross-timezone Collaboration	

Education

Master of Public Health (MPH)	05/2024
Ohio University	Athens, OH
Bachelor of Dental Surgery (BDS)	04/2022
KNR University of Health Sciences	Warangal, India

Certifications

Associate Data Analyst in SQL — DataCamp	06/2026
Good Clinical Practice (GCP) — CITI Program	08/2024