GENCY RANI A

HEALTHCARE IT & DATA ANALYTICS SPECIALIST | CLINICAL DATA MANAGEMENT PROFESSIONAL

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EDUCATION

Master's Information Science, Concentration: Health Informatics | University of North Texas, Denton, Texas | **GPA:** 3.66 **May 2025**

Bachelor of Pharmacy | University College of Pharmaceutical Sciences, India | **GPA:** 3.50 **Jun 2023**

EXPERIENCE

Health Informatician | JGM, Dallas, TX **May 2024 - Present**

- Conducted ophthalmic procedures (OCT, tonometry, visual field testing) for 50+ patients weekly, achieving accurate EMR documentation
- Standardized EHR templates across 2 clinical locations, reducing documentation time by 20% & improving workflow efficiency
- Managed patient flow & administered treatments in a high-volume neuro-ophthalmology clinic, maintaining zero compliance issues
- Operated ophthalmic diagnostic tools (Hess Screen, A-scan, Pachymeter, Visual Fields), adhering to HIPAA standards, supporting patient care

Data Analyst | Rechic Finds | Dallas, Tx **Jan 2024 - Apr 2024**

- Analyzed sales, customer behavior, & marketing campaign data, improving conversion rates by 15% through optimized pricing strategies
- Developed & maintained interactive dashboards and automated reports in Power BI and Tableau, reducing KPI tracking time by 30%
- Conducted detailed inventory forecasting and margin analysis, decreasing stock outs by 20% & increasing profitability by 12%
- Collaborated with marketing, product, and operations teams to deliver insights that drove a 10% increase in campaign ROI

Clinical Data Analyst | DMDC, India **Jul 2022 - Jun 2023**

- Collected, validated, & managed clinical datasets, supporting 10+ research studies and improving patient care analytics efficiency by 25%
- Performed thorough data cleaning and transformation using Excel & SQL, ensuring 99% data accuracy for clinical reporting
- Conducted statistical analyses, generating reports that enabled 15% faster clinical decision-making & improved quality initiatives
- Developed & maintained dashboards in Power BI and Tableau, increasing visibility of patient outcomes and clinical metrics by 30%

PROJECTS

Housing Market Trends Analysis (Python, Excel, Tableau, Data Visualization) **Jan 2025 - May 2025**

- Analyzed & presented housing price trends across five U.S. counties pre- and post-COVID, informing investment and policy decisions

Online Food Delivery System Database Project (SQL, Data Modeling, Data Analysis) **Aug 2024 - Dec 2024**

- Managed a PostgreSQL database for an online food delivery system, ensuring data integrity, scalability, and accurate relationships

Course Feedback Portal Project (PHP, MySQL, HTML, Web Development) **Jan 2024 - May 2024**

- Validated a course feedback portal using PHP, MySQL, & HTML, implementing role-based access for secure, accurate evaluations

Student Success Prediction Using Machine Learning (Python, XGBoost) **Sep 2023 - Dec 2023**

- Predicted academic outcomes on 4,400+ records using Random Forest & XGBoost, achieving 80.2% accuracy with optimized models

CERTIFICATIONS

- Adult and Pediatric First Aid/CPR/AED, American Red Cross Training Services (Jun 2025)
- CITI Health Information Privacy and Security (HIPS) for Clinicians, CITI Program (Apr 2025)
- Introduction to Clinical Data, Stanford University (Nov 2024)
- HIPAA Privacy & Security Training, HIPAA Group, Inc. (May 2024)
- The Structured Query Language (SQL) University of Colorado (Apr 2025)
- Essentials of Public Health Research, CITI Program (Apr 2025)
- Introduction to Microsoft Excel, Coursera Project Network (Feb 2024)
- GCP for Clinical Trials with Investigational Drugs and Medical Devices, CITI Program (Apr 2025)
- Animal Care and Use Quality Assurance (QA) Programs, CITI Program (Apr 2025)

TECHNICAL SKILLS

- **Interoperability:** XML, JSON, REST APIs, BPMN, Camunda Model **| Databases:** PostgreSQL, MySQL, ERD Design
- **Healthcare IT Systems:** eClinicalWorks, EPIC Systems, Kinnser, Vesta, Telehealth Platforms, CDSS
- **Programming & Data Tools:** Python (NumPy), SQL, PHP, HTML, Jupiter Notebook, Google Colab
- **Statistics & Analytics:** Descriptive Statistics, Hypothesis Testing, ANOVA, Chi-square, Correlation
- **Data Visualization:** Power BI, Tableau, Excel (Pivot Tables, Dashboards), Google Analytics
- **Healthcare Standards:** ICD-10, SNOMED, RxNorm, LOINC, HL7, HIPAA

CORE COMPETENCIES

Clinical Data Management **|** Quality Assurance **|** Healthcare IT Systems Implementation & Optimization **|** Health Data Analytics & Visualization **|** EHR Standardization & Interoperability **|** HIPAA Compliance **|** Data Security **|** Pharmacovigilance Reporting and Patient Safety **|** Statistical Analysis for Clinical Decision-Making **|** Research Data Management **|** Regulatory Documentation **|** Data Integration and Transformation **|** Dashboard Development **|** KPI Monitoring **|** Clinical Workflow Optimization **|** Health Informatics Project Support **|** Data Governance and Compliance **|** Business Intelligence Reporting **|** Clinical Research Data Support **|** Patient Outcome Measurement **|** Analytical Thinking **|** Problem Solving **|** Effective Communication **|** Cross-Functional Collaboration **|** Stakeholder Engagement **|** Requirement Gathering