

KASI GORLI

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Summary

Versatile Data Analyst with a specialization in health informatics and general analytics. Proficient in SQL, Tableau, Power BI, and Excel, with hands-on experience across healthcare and education sectors. Improved chronic disease management and workflow efficiency by over 20% through advanced dashboard development and collaborative analytics. Published researcher in healthcare trends, demonstrating ability to translate complex data into actionable insights. Well-positioned to deliver data-driven solutions that enhance patient outcomes and support strategic business decisions.

Key Achievements

- Award for Academic Excellence, Beta Gamma Sigma Honor Society – May 2025
- Outstanding Graduate Assistant Award, Marshall University – May 2025
- Improved population health reporting efficiency by 20% at Vandalia Health by automating Tableau dashboards and streamlining workflows.
- Enhanced workflow efficiency by 25% at Government Dental Hospital by redesigning EHR documentation processes.
- Published a peer-reviewed study on tobacco-related cancers, identifying 79% prevalence in low socioeconomic groups — highlighting public health disparities.
- Increased data quality by 18% through cleaning and validation of 200,000+ patient records using SQL.

TECHNICAL SKILLS

- **Healthcare Data and Standards:** EHR workflows (Cerner), HEDIS, ICD-10, CPT, HL7, FHIR
- **Databases and Warehousing:** SQL (SQL Server, MySQL, PostgreSQL), Data Cleaning, Data Validation, Snowflake
- **Data Engineering / ETL:** Data Cleaning, Data Validation, Schema Design
- **Programming / Query Languages :** SQL (SQL Server, MySQL, PostgreSQL), Python (pandas, NumPy, matplotlib, NLTK/VADER), SAS
- **BI & Visualization:** Tableau, Power BI, Excel (Power Query, PivotTables, advanced formulas)
- **Project and Collaboration:** Agile, Visio, Stakeholder Storytelling, Data-driven Presentations

EXPERIENCE

Vandalia Health, CAMC | Data Analyst / Internship

Jan 2025 - May 2025

- Improved dataset integrity 18% by cleaning and validating 200,000+ patient records in SQL, enabling more accurate risk stratification for chronic disease management.
- Increased timely intervention for high-risk populations by 12% by developing and maintaining 6+ interactive Tableau dashboards covering HEDIS compliance, readmission rates, and preventive screenings.
- Raised population health reporting efficiency 20% by partnering with informatics, clinicians, and project managers to design analytics solutions and automate reporting workflows.

Marshall University | Graduate Assistant – Lewis College of Business

Jan 2024 - May 2025

- Led CAHIIM accreditation analytics: consolidated legacy files and prior reports; mapped 31 courses to 6 domains / 34 competencies using Excel (Power Query, PivotTables), cutting accreditation prep time by 52%.
- Built an Excel curriculum mapping model (crosstabs + normalization) that converted text outcomes to coded values and autogenerated heat maps; flagged 23 coverage gaps, closed 18 presubmission.
- Presented results in 4 advisory meetings (Dean, Program Director, faculty) and secured approval for 7 curriculum improvements (e.g., refreshed assignments, added informatics competencies, revised rubrics).
- Built a dynamic Excel-based grading tool using IF functions, nested logic, and data validation rules to automate final grade calculations for students. This system reduced manual grading time by over 70%, enabling instant and consistent grade output for faculty use.

Government Dental Hospital | Clinical data analyst (General Dentist)

Apr 2022 - May 2023

- Extracted and normalized EHR data from 1,200+ dentist-recorded encounters; produced analyses on treatment trends, care gaps, and QI targets.
- Standardized documentation (templates, picklists, required fields) and streamlined charting steps, driving a 25% gain in workflow throughput while lowering documentation time per visit.

Government Dental Hospital | Research Analyst

Apr 2021 - Apr 2022

- Led a cross-sectional analysis of 1,000+ patient records on tobacco-related cancers; findings informed hospital policy changes to improve patient outcomes.
- Applied statistical techniques including frequency analysis and cross-tabulation to identify patterns in cancer occurrence across socioeconomic groups.
- Authored a peer-reviewed article reporting that 79% of affected individuals belonged to lower socioeconomic strata, highlighting disparities in cancer burden.
- Gained valuable exposure to epidemiological methods, public health research, and outcomes reporting.

KEY PROJECTS

HEDIS Compliance & Data Quality Dashboard | Vandalia Health, CAMC

Apr 2025 - May 2025

- Built an interactive Tableau dashboard on 12,000+ synthetic patient records to visualize HEDIS compliance across chronic and preventive care measures and support leadership reviews.
- Identified and corrected 10%+ data quality errors (e.g., duplicates, invalid dates, code mismatches), improving reporting accuracy and enabling population health benchmarking.

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| Tata Group Data Visualization Simulation Tata Group | | May 2025 |
| <ul style="list-style-type: none"> Analyzed retail revenue data and built interactive Power BI dashboards to highlight sales trends, category performance, and seasonality for decision support. Delivered client-ready visuals and a short presentation, strengthening data storytelling and demonstrating consulting-style analytics. | | |
| COVID-19 Global Dashboard (SQL + Tableau) | | Mar 2025 |
| <ul style="list-style-type: none"> Cleaned and transformed 80,000+ global records in SQL (joins, filters, aggregations) to structure country/continent-level datasets of cases, deaths, and infection rates. Built an interactive Tableau dashboard (4+ charts) for infection %, deaths, and population impact, improving interpretation speed ~60% versus raw tables. | | |
| Nashville Housing Data Cleaning Project (SQL) | | Jan 2025 |
| <ul style="list-style-type: none"> Cleaned and standardized 56,000+ housing records by removing duplicates, fixing dates, splitting combined address fields, and handling nulls to improve data readiness. Applied CASE, SUBSTRING, ISNULL, and window functions (ROW_NUMBER (), PARTITION BY) to normalize property addresses and sale dates for downstream reporting. | | |
| Marshall University – Program Evaluation (Student Experience Analytics) | | Nov 2024 |
| <ul style="list-style-type: none"> Interviewed 40 students across cohorts (semi-structured, recorded with consent), auto-transcribed the audio, and built a Python pipeline (NLTK VADER + pandas) to classify positive/negative/neutral sentiment and aggregate comments by theme (advising, workload, pacing, assessment). Tabulated ~1,800 coded comments; produced Excel visualizations (pivot tables, stacked bars, heat maps) showing theme × sentiment; identified 5-7 priority pain points and 3-4 quick wins. Recommended 6 program improvements (e.g., clearer rubric examples, adjusted pacing, extra office hours); director approved 4 for the next term. Follow-up pulse survey showed student satisfaction up 12-18 % and negative sentiment down 10-15 pp in targeted areas. | | |
| EDUCATION | | |
| Marshall University | | Aug 2023 - May 2025 |
| <i>Master's, Health Informatics and Data analytics (GPA: 3.9)</i> | | <i>Huntington, WV</i> |
| <ul style="list-style-type: none"> Achievements: Student Board Member, Health Informatics Network, Member, Delta Sigma Pi Business Fraternity | | |
| Kaloji Narayana Rao University of Health Sciences | | Aug 2017 - Apr 2022 |
| <i>Bachelor's of Dental Surgery (GPA: 3.83)</i> | | <i>Hyderabad, India</i> |
| CERTIFICATIONS | | |
| <ul style="list-style-type: none"> IGEL Certified Professional, IGEL – Feb 2025 Tableau Essential Training, LinkedIn – Sep 2024 ICD 10 & 11 Medical Coding and Billing, UDEMY - Oct 2024 SQL for Healthcare Professionals, LinkedIn – Sep 2024 Python for Data Science and AI, Coursera - Jun 2024 | | |
| PUBLICATIONS | | |
| <ul style="list-style-type: none"> Prevalence of Oral Mucosal Lesions Among Tobacco Consumers: A Cross-Sectional Study. Co-authored a clinical study analyzing 1,000 tobacco consumers to assess the prevalence of oral lesions, emphasizing the importance of early detection and preventive interventions. Cyber Threats in Healthcare: The Ransomware Epidemic (2018–2024):. Multiyear analysis of ransomware incidents in U.S. hospitals, synthesizing operational disruption, financial impact, and patient safety risk; proposes a resilience playbook (read-only EHR modes, downtime procedures, communication workflows). AI in Radiology: Translating Algorithmic Performance into Workflow Gains:. Evaluates how imaging AI influences turnaround time, recall rates, and radiologist workload; outlines metrics and governance needed for safe deployment. Tele stroke Services: Improving Door-to-Needle Through Data-Driven Configurations:. Maps teleneurology workflows and handoffs; models time-to-treatment improvements with standardized protocols and real-time alerts. Mental Health Crisis Response: Data Signals for Early Intervention:. Uses administrative and encounter patterns to flag escalation risk; frames an analytics pipeline for population-level monitoring and referral effectiveness. | | |
| EXTRACURRICULAR | | |
| Delta Sigma Pi Member | | 2024 |
| <ul style="list-style-type: none"> Engaged in career development workshops (resume reviews, mock interviews, analytics talks), building a professional network across 3 chapters and 25+ alumni. Supported community service projects (fundraisers/volunteering), contributing 28 volunteer hours and helping raise \$1,500 for local causes. Collaborated on a mini case challenge using Excel/Tableau to present a 5-minute recommendation to an alumni panel. | | |
| American Red Cross Blood Donor Ambassador | | Sep 2024 |
| <ul style="list-style-type: none"> Coordinated donor check-in and flow to keep drives on schedule while enforcing ID verification, privacy, and infection control standards in line with ARC SOPs and AABB/FDA guidance. Ensured clean, accurate donor records by verifying consent/eligibility responses, updating the donor management system, and reconciling sign-in logs with collected units to support audit readiness and data integrity. Partnered with phlebotomy/site leads on queue management, room setup/teardown, supply readiness, and rapid escalation/documentation of any donor adverse reactions. | | |