

LOKESH CHOWDHARY YELLAMANCHALI

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PROFESSIONAL SUMMARY

Data Analyst with 3+ years of experience translating complex, multi-source data into actionable insights and business-ready dashboards. Proven track record engaging cross-functional stakeholders, structuring analytical project approaches, and delivering end-to-end analytics solutions — contributing to a 14% reduction in fraud losses and 70% reduction in reporting time. Skilled at preparing compelling visualizations, data storytelling, and managing recurring analytic reporting processes with 40+ weekly active dashboard users.

CORE DOMAINS

Business Requirements Translation • Stakeholder Analytics • Data Visualization & Storytelling • BI Dashboard Development • ETL/ELT Pipeline Engineering • Healthcare Analytics • Fraud & Risk Analytics • KPI Reporting • Recurring Reporting Automation

TECHNICAL SKILLS

Programming & Query Languages: SQL (Advanced — Joins, CTEs, Window Functions), Python (Pandas, NumPy, SciPy), R (basic), SAS (equivalent exposure via Python/R)

Data Visualization & BI Tools: Power BI (DAX, Power Query), Tableau (LOD Expressions, Parameters, Dashboard Design), Advanced Excel (Pivot Tables, Power Pivot, VLOOKUP/XLOOKUP)

Data Engineering & Processing: ETL/ELT Pipelines, Data Cleaning & Transformation, Data Validation, Feature Engineering, Workflow Automation (Python, Alteryx)

Databases & Cloud: MySQL, PostgreSQL, Snowflake, SQL Server, Google Cloud Platform (BigQuery, Cloud Storage)

Analytics & Business Domain: EDA, Statistical Analysis, Predictive Modeling Support, Cohort Analysis, Time Series, KPI Development, Healthcare Analytics (EHR, Readmissions), Fraud Detection

Tools & Platforms: Alteryx, Salesforce, LexisNexis, Microsoft Excel, PowerPoint

Data Governance & Quality: Data Integrity Checks, Data Quality Monitoring, KPI Standardization, Reporting Accuracy & Compliance

PROFESSIONAL EXPERIENCE

Data Analyst | CSG International | USA

June 2024 – Present

- Engaged with internal healthcare and fraud operations stakeholders to understand business strategy, questions, and goals — translated requirements into analytical project approaches and delivered end-to-end analyses across 180K+ healthcare records and 12M+ financial transactions.
- Acquired and compiled structured and unstructured data from EHR, claims, discharge, merchant, and transaction systems; designed validation protocols that reduced data quality exceptions by 30% and verified accuracy and reasonableness of analytical datasets.
- Performed analyses of historical patient utilization and transaction behavior data to surface trends and insights — contributing to a 9% reduction in targeted readmissions and a 14% reduction in fraud losses using advanced analytical methods including cohort, time series, and behavioral analysis.
- Prepared model-ready datasets supporting predictive risk-scoring models; improved high-risk patient identification from 52% to 78% and fraud recall from 71% to 89% — directly shaping intervention targeting and resource allocation decisions.
- Designed and deployed Power BI dashboards and KPI scorecards with compelling visualizations that translated analytic insights into actionable recommendations for care management, fraud operations, and leadership stakeholders — cutting manual reporting effort by 70% and driving adoption to 40+ weekly active users.
- Developed, owned, and managed recurring analytic and reporting processes across a KPI framework spanning 30-day readmission rates, fraud recall, alert volume, and investigation efficiency — contributing to a 35% improvement in investigation prioritization and 28% reduction in manual review workload.
- Presented fraud and readmission analytics findings to senior operations and leadership stakeholders, translating model outputs and dashboard trends into strategic recommendations; proactively shared best practices and expanded team knowledge of analytics methodologies.

Data Analyst | Ciena | India

Mar 2022 – Aug 2023

- Engaged with operations, compliance, and product teams to gather business requirements, translate them into analytical project approaches, and deliver scalable analytics solutions aligned with business objectives.
- Acquired, compiled, and validated data from Salesforce, MySQL, and Excel across 5+ source systems; established data validation protocols reducing reporting errors by 60% and ensuring compliance with internal governance standards.
- Designed and maintained Tableau dashboards for daily, weekly, and ad hoc reporting — delivering compelling visualizations and data stories on SLA adherence, agent productivity, and operational KPIs across global leadership teams.
- Developed, owned, and automated recurring KPI and SLA reporting pipelines using Alteryx and Python workflows — enabling 100% SLA compliance across global operations and delivering ~\$250K in annual cost savings by eliminating a dedicated manual reporting resource.
- Built executive dashboards using advanced Tableau features — LOD expressions, calculated fields, parameters, and hierarchical filters — to translate analytic insights into tangible, actionable solutions for business partners.
- Proactively expanded knowledge of business operations and analytics; shared best practices and documented standards to improve consistency and quality of analytics delivery across the team.

INDEPENDENT ANALYTICS PROJECTS

Healthcare Readmission Analytics & KPI Dashboard | Northeastern University, Boston, MA

- Analyzed patient-level healthcare data using SQL and Python to identify key factors influencing 30-day hospital readmissions; conducted cohort and trend analysis to uncover actionable patterns contributing to ~25% of readmissions.
- Designed and developed interactive Tableau dashboards to track readmission rates, patient cohorts, and KPIs — translating findings into data-driven insights that supported improved clinical decision-making.

Financial Fraud Detection Analytics & Risk Reporting | Northeastern University, Boston, MA

- Performed exploratory data analysis on large-scale transaction datasets to identify fraud patterns; built dynamic Power BI and Tableau dashboards monitoring fraud-related KPIs including fraud rate, transaction trends, and risk segmentation.
- Developed optimized SQL queries (joins, CTEs) to extract high-risk transactions and streamlined fraud monitoring processes — reducing manual review efforts by 40% through automated recurring reporting.

Sales Performance & Business Insights Dashboard | Northeastern University, Boston, MA

- Developed Power BI dashboards analyzing revenue performance, regional trends, and business metrics; conducted time-series analysis to surface seasonal patterns and growth opportunities — automated recurring reporting, reducing manual effort by 50%.

EDUCATION

Northeastern University, Boston, MA

May 2025

Master of Science in Data Analytics Engineering

KL University, Vijayawada, Andhra Pradesh, India

March 2023

Bachelor of Technology in Computer Science Engineering

CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate (PL-300)
- SnowPro Core Certification
- Google Cloud Professional Data Engineer
- IBM Data Science Professional Certificate