Sai Vara Prasad Bhaskarla

DATA ANALYST

California, USA | + 1 4244457002 | bsvprasad2001@gmail.com

SUMMARY

Results-driven Data Analyst with 3 years of experience in transforming raw data into actionable insights across healthcare and financial domains. Proficient in SQL, Python, and R for data extraction, cleansing, and statistical analysis. Skilled in building ETL pipelines, conducting exploratory data analysis (EDA), and developing interactive dashboards using Tableau, Power BI, and Excel. Strong understanding of machine learning concepts, hypothesis testing, A/B testing, and forecasting methods. Adept at collaborating with cross-functional teams to support data-driven decision-making. Experienced in working with large datasets across cloud platforms like AWS and documenting processes to support compliance, data governance, and operational transparency.

SKILLS

Methodologies:	SDLC, Agile, Waterfall
Languages:	Python, R, SQL
IDEs:	Visual Studio Code, PyCharm, Jupyter Notebook
Packages:	NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, TensorFlow, Seaborn, dplyr, ggplot2, Keras
Visualization Tools:	Tableau, Power BI, Looker, Advanced Excel (VLOOKUP, Pivot Tables, Macros, Power Query), SRSS
Cloud Technology:	Amazon Web Services (AWS)
Database:	MySQL, SQL Server, PostgreSQL, MongoDB
Other Skills:	SSIS, Talend, Machine Learning Algorithms, Probability distributions, Confidence Intervals, ANOVA, Hypothesis Testing, Regression Analysis, Linear Algebra, Advance Analytics, Exploratory Data Analysis (EDA), A/B Testing, Data Mining, Data Visualization, Data warehousing, Data transformation, Data Storytelling, Association rules, Clustering, Classification, Regression, Forecasting & Modelling, Data Cleaning, Data Wrangling, Data Storytelling, KPI Development, Data Governance, Jira, Git, GitHub
Operating System:	Windows, Linux, Mac OS

EDUCATION

Master of Science in Computer Science - California State University, San Bernardino, California, USA
Bachelor of Technology in Computer Science and Engineering - JNTUH University College of Engineering Manthani, India

WORK EXPERIENCE

Data Analyst | Molina Healthcare, CA **Aug 2024 – Present.**

- Extracted and processed 1.2 M+ Medicaid claims records using advanced SQL queries to build a unified dataset for trend analysis, which laid the foundation for accurate cost forecasting across inpatient and pharmacy services.
- Integrated provider contracts, encounter data, and enrollment feeds using SQL CTEs and window functions, creating a longitudinal member view that improved the precision of per-member cost tracking by 30%.
- Engineered Python-based forecasting models using Pandas and NumPy to predict monthly PMPM costs, which supported actuarial rate planning and helped reduce premium misalignments by $800K in the following fiscal quarter.
- Utilized regression models and seasonal time-series analysis in Python to pinpoint cost spikes linked to avoidable ER visits; these findings drove targeted intervention programs that cut ER costs by 9%.
- Automated cost variance reporting through Power BI and Excel (with VBA scripting) to compare forecasted vs. actual trends, helping the Medical Economics team catch $1.7M in budget overruns before quarterly reconciliation.
- Documented all transformation logic, metric definitions, and data lineage in Confluence for compliance and audit readiness, ensuring HIPAA-aligned transparency across the analytics workflow.

Data Analyst | Druva Software, India **Jun 2021 – Jul 2023**

- Automated ingestion and transformation workflows using Talend to integrate raw payment data from AWS S3, MySQL, and CSV sources, enabling consistent daily refreshes and reducing manual processing effort significantly.
- Designed SQL Server pipelines to extract and preprocess transactional data, ensuring schema consistency and resolving null/mismatched fields, which enhanced model readiness and reduced downstream data correction efforts.
- Used Python (Pandas) to implement validation logic for timestamp mismatches and duplicate entries, preventing corrupted inputs from affecting model results and ensuring anomaly detection integrity.
- Applied rolling time-window trend analysis in Python to uncover abnormal refund volumes, which revealed a payment duplication issue and led to the recovery of approximately $75K in lost revenue.
- Defined custom KPIs like ‘Leak Rate per Gateway’ and ‘Anomaly Spike Frequency’ in collaboration with the finance team, aligning model outputs with business risk categories and supporting real-time monitoring.
- Executed ad hoc investigations using PostgreSQL to drill into specific gateway anomalies and card-type trends, which uncovered refund abuse patterns and informed payment policy improvements.
- Created interactive Tableau dashboards to visualize model scores, refund clusters, and high-risk transaction paths, enabling stakeholders to quickly interpret data and prioritize fraud intervention efforts.
- Presented monthly dashboard reviews and anomaly deep-dives to product managers, finance leads, and QA teams, directly influencing the prioritization of 3 system patch releases.