NERELLA PRANAVI

TX, USA | (346) 668-0650 | pranu243245@gmail.com

SUMMARY

- Data Analyst with 5+ years of experience designing, analyzing, and optimizing data solutions across healthcare and financial services, using SQL, Python, Tableau, and Power BI to support data-driven decision-making.
- Experienced in building and maintaining cloud-based ETL pipelines and analytical workflows that improved data reliability, performance, and reporting efficiency by 15–25%.
- Strong background in statistical analysis, predictive modeling, and dashboard development, enabling leadership to monitor operational performance, risk, and key business metrics.
- Proven ability to collaborate with technical and non-technical stakeholders to translate complex datasets into clear, actionable insights.

SKILLS

Programming & Query Languages:	Python (Pandas, NumPy), SQL (Joins, CTEs, Window Functions), R, Scala
Databases & Warehousing:	PostgreSQL, SQL Server, MySQL, MongoDB, Snowflake
ETL & Data Integration:	AWS Glue, Apache Airflow, Informatica, Alteryx, SSIS, Data Transformation, Data Wrangling
Data Visualization & Reporting:	Tableau, Power BI, Excel (Pivot Tables, Macros, VLOOKUP), Calculated Fields
Machine Learning & Analytics:	Forecasting, Clustering, Classification, Regression, A/B Testing
Cloud & Big Data Technologies:	AWS (S3, EC2, Athena, Lambda, Redshift), Azure
Project Management & Workflow:	Agile, SDLC, JIRA, Git, GitHub, UAT, JAD

WORK EXPERIENCE

Data Analyst | Johnson & Johnson, TX, USA **Aug 2023 – Present**

- Engineered end-to-end AWS Glue and Lambda pipelines to ingest, cleanse, and transform EHR data, reducing data latency by 18% and improving analytics reliability.
- Automated ingestion of multi-regional healthcare datasets into AWS Athena, lowering query and storage costs by 21% while enabling faster clinical reporting.
- Developed Python-based predictive models using hospitalization and claims data to improve readmission forecasting and support proactive care strategies.
- Performed advanced SQL analysis and statistical modeling (regression, ANOVA) to identify trends in treatment adherence and patient outcomes.
- Designed interactive Tableau dashboards to visualize patient safety, utilization, and quality KPIs for executive and clinical leadership.
- Implemented real-time Kafka streaming pipelines to detect anomalies in patient monitoring data, enabling faster clinical intervention.
- Collaborated with clinicians, analysts, and engineers to standardize datasets and definitions, improving reporting consistency across departments.

Data Analyst | Accenture, India **Aug 2020 – Jun 2023**

- Designed and maintained PostgreSQL and SQL Server schemas for large-scale financial datasets, enabling 30% faster ad-hoc and regulatory reporting.
- Built scalable SSIS-based ETL workflows to automate data extraction, validation, and transformation, reducing manual reconciliation effort by 23%.
- Developed Power BI dashboards with row-level security, ensuring compliant access to KPIs across 12+ regulatory and business entities.
- Optimized complex SQL queries and stored procedures, improving execution performance by 27% for time-sensitive risk and finance reporting.
- Applied Python-based clustering and classification models to segment clients and support credit risk and portfolio analysis initiatives.
- Scaled Excel-based stress-testing and liquidity models to process 600M+ records, delivering insights 3x faster than legacy workflows.

EDUCATION

Master of Science in Computer Science | University of Central Missouri, MO, USA **Aug 2023– May 2025**

Bachelor of Technology in Computer Science | GITAM University, Hyderabad, India **Jul 2018 – Apr 2021**