

# BEERAKA MALLIKA

## Data Analyst

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### PROFESSIONAL SUMMARY

Analytical and detail-oriented Data Analyst with over 3+ years of experience driving business insights through data. Proficient in leveraging Python, SQL, Power BI, Tableau, and statistical techniques to analyze complex datasets and communicate findings to stakeholders. Experienced in developing ETL pipelines, building dashboards, and supporting data-driven strategies within cloud environments such as AWS and Azure. Adept at EDA, predictive modeling, and visual storytelling to influence decisions and optimize business performance.

### TECHNICAL SKILLS

- **Languages:** Python, R, SQL, PL/SQL
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, SciPy, ggplot2
- **Data Visualization:** Power BI, Tableau, Excel (Pivot Tables, VLOOKUP, Macros)
- **Databases:** SQL Server, Oracle, MySQL, NoSQL (MongoDB), MS Access
- **Cloud Platforms:** AWS (Glue, Redshift), Azure (Data Factory, Data Lake, Databricks), GCP
- **Tools & Platforms:** Jupyter, VS Code, Spyder, Git, JIRA, Google Analytics, Snowflake
- **Data Engineering:** ETL Pipelines, Data Cleaning, Data Wrangling, Data Marts, Data Warehouse
- **Soft Skills:** Communication, Critical Thinking, Presentation, Problem Solving

### PROFESSIONAL EXPERIENCE

#### Data Analyst | Kaiser Permanente, USA | Aug 2024 – Present

- Worked on Project Patient Engagement Analytics for Preventive Care Campaigns
- Collaborated with clinical and operations teams to develop a data-driven outreach system for preventive care services, improving annual check-up compliance rates.
- Designed and implemented ETL workflows using SQL and Python to extract patient-level data from EMR (Electronic Medical Records) and claims systems.
- Built and maintained Power BI dashboards to track key metrics including appointment adherence, demographic response rates, and campaign effectiveness.
- Conducted statistical analysis (Chi-square, ANOVA) to identify significant trends in patient engagement and care gaps by age, location, and insurance type.
- Integrated data from Epic EMR, Salesforce Health Cloud, and internal data marts using Snowflake and Azure Data Factory.
- Supported A/B testing of outreach messaging, resulting in increase in appointment bookings for targeted demographics.
- Worked with HIPAA-compliant data governance frameworks to ensure privacy, security, and audit tracking across all reports and dashboards.
- Communicated actionable insights to population health teams and C-suite stakeholders via interactive visualizations and executive summary reports.

#### Data Analyst | KPIT Technologies, India | Jun 2019 – Jul 2022

- Developed automated dashboards using Tableau and Power BI to monitor vehicle performance metrics, reducing reporting turnaround time.
- Built and optimized SQL queries and PL/SQL scripts for data extraction from Oracle and SQL Server databases to support KPI tracking.
- Configured CI/CD pipelines in Azure DevOps to automate deployment of data integration scripts and dashboard updates.
- Conducted A/B testing on UI enhancements and vehicle software rollouts, leading to increase in feature adoption.
- Cleaned and transformed raw sensor and log data using Python (pandas, NumPy) to prepare for statistical modeling and anomaly detection.
- Collaborated with cross-functional teams to define data validation rules and quality checks, reducing input errors.
- Created and maintained data documentation and process workflows to ensure continuity and reproducibility across analytics projects.
- Supported senior analysts by preparing executive-level summaries and ad-hoc reports for strategic business reviews.

### EDUCATION

Masters in Computer Science | Southeast Missouri State University, Cape Girardeau, MO, USA  
Bachelors in Electronics & Communication Engineering | Vignan's Foundation, Guntur, India