Saidi Reddy Karnati | ML/AI/Data Analyst

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SUMMARY

- 4+ years of experience in data analysis, reporting automation, and dashboard development across retail, e-commerce, health care.
- Strong technical proficiency in SQL, Python (Pandas, NumPy), Power Bi, Tableau, and Excel (LOOKUP, Pivot Tables, Power Query).
- Delivered 15%+ improvement in regional sales at Walmart by analysing 1000+ records and optimizing promotion strategies.
- Automated reporting pipelines in SQL and DAX that reduced manual work by 90% and cut reporting errors by 40%.
- Built predictive models using ARIMA, ETS, and regression that decreased supply stockouts by 30% and churn by 17%.
- Integrated cloud data pipelines across GCP, AWS, and Azure, cutting ingestion time by 50% and improving pipeline reliability.
- Developed KPI dashboards and self- service tools used by 50+ stockholders, increasing data adoption by 45% within 3 months.

TECHNICAL SKILLS

- **Data Analysis & Reporting:** SQL, Python, R, Excel (Advanced), VBA, PL SQL, Statistical Modelling, ML Models.
- **Data Visualization:** Alteryx Designer, Power BI, Tableau, Excel Dashboards, Qlik Sense, Looker Studio, Domo, Mode Analytics.
- **Databases & Tools:** MS SQL Server, PostgreSQL, Hadoop Oracle, ETL Tools, Git, JIRA, Confluence, ServiceNow, SAP.
- **Cloud Platforms:** GCP (Big Query), AWS (RDS, S3), Azure (Synapse, Data Factory).
- **Business Domain Knowledge:** E-commerce KPIs, Pricing Strategy, Marketing Analytics, Healthcare Claims & Clinical Data, Banking Metrics & Risk Analytics, Customer Segmentation, Supply Chain Analytics.
- **Techniques:** Forecasting, Regression, Cohort Analysis, A/B Testing, Regression Analysis, Hypothesis Testing, Data Wrangling.
- **Certifications**: Power BI Data Analyst Associate - *by Microsoft*, Azure Data Engineer Associate - *by Microsoft*

WORK EXPERIENCE

Machine Learning / AI Engineer | Aditi Consulting, MO, USA **Jun 2025 – Present**

- Built a scalable Power BI + SQL reporting pipeline for a top-tier financial client, integrating data from Azure Synapse and RDS. Reduced report generation time from 2 days to 1 hour, enhancing real-time risk visibility for the compliance team.
- Designed and implemented a machine learning model (XGBoost + Logistic Regression) using historical EHR + claims data to predict patient readmission risks. Achieved 88% AUC, enabling a 15% decrease in 30-day readmissions for a U.S. hospital chain.
- Unified multi-channel e-commerce sales data (BigQuery + AWS S3) for a retail client into an interactive Power BI dashboard, driving a 17% improvement in sales conversions through granular geo-targeting and promotion optimization.
- Streamlined ETL processes on Google Cloud (BigQuery + Cloud Functions) to automate ingestion of 500K+ daily transactions for a fintech product. Improved data ingestion speed by 60% and minimized schema drift issues using version-controlled data definitions.
- Built a Python-based outlier detection system using Isolation Forest + Z-score logic to flag anomalies in high-volume financial transaction logs, reducing manual audit effort by 40% and enhancing fraud detection accuracy.
- Developed a time-series forecasting model (ARIMA, ETS) in Python to optimize supply chain replenishment. Reduced stockout instances of critical inventory by 30%, aligning reordering policies with usage trends.
- Authored detailed data dictionaries, dashboard guides, and KPI glossaries for both clinical and finance teams, resulting in a 55% increase in self-service Power BI usage and reducing dependency on IT/data teams for ad-hoc reports.
- Supported model testing and analytics for a natural language-based AI chatbot built for software licensing queries. Helped reduce call-centre tickets by 28%, increasing support SLA adherence.

Data Analyst | Walmart, MO, USA **Dec 2024 – May 2025**

- Increased regional sales for a e-commerce retailer by 15% by analysing 1000+ records and building Excel dashboards with pivot tables and formulas using metrics like seasonal sales and buyer demographics.
- Automated Power BI dashboards with SQL, DAX, and gateway refresh; created documentation and usage guides, reducing manual work by 90% and boosting stockholder adoption by 45%.
- Designed a Power BI dashboard analysing 630+ Google Forms survey responses; identified key trends in compensation dissatisfaction and career barriers, ending HR to boost satisfaction by 18% through retention policies.
- Audited 200k+ cloud based financial records using Python (Pandas, NumPy) and fixed 35% data anomalies, improving accuracy for refunds and adjustments gateway and AML reporting.
- Streamlined ETL pipelines using Azure Data Factory and Pandas Scripts to integrate Azure Blob & Synapse datasets, reducing ingestion time by 50% and improving pipeline reliability.

Data Analyst | Ernst & Young, India **May 2021 - Jan 2023**

- Built scalable Power BI dashboards with Gateway refresh for real time campaign metrics, boosting targeted precision and improving conversion rates by 22% for a global e-commerce client.
- Conducted A/B testing for on email subject lines and content strategies for a retail campaign; identified a 12% higher open rate with version B , improving overall campaign performance by 90%.
- Built a churn prediction model using Python (Logistic Regression, XGBoost) with 84% accuracy; Integrated into dashboards to reduce client attrition by 17% for a U.S.- based IT service firm in 6 months.
- Conducted customer segmentation via K-Means clustering on RFM values and browsing history, enabling targeted campaigns that increased average order value by 19% and boosted repeat purchases for a fashion marketplace.
- Automated financial health reporting using Python, pivo, and Excel VBA for a SaaS client burdened by time-consuming manual reports, cutting monthly reporting time from 5 days to under 8 hours and increasing data reliability for investors.
- Built HIPPA compliant Power BI dashboards tracking SLA and policy breaches, while embedding KPIs like bug age and reopen rate to cut production issues by 30%; trained non-technical teams and supported agile sprints to drive 50% dashboard adoption.

Jr. Data Analyst | Infosys - India **Nov 2018 – Apr 2021**

- Built Tableau and Excel dashboards for an IT services client to track delivery metrics like resources utilization, sprint velocity, and SLA adherence, reducing manual effort by 40% and enabling leadership to make real-time decisions.
- Automated cleaning scripts using SQL and Excel VBA to remove duplicates and validate timestamps in 200k+ weekly logs, cutting manual review time by 30% and improving report accuracy.
- Analysed usage trends with SQL and Excel for a cloud SaaS client, identifying low-engagement features via CTR and time spent, leading to a 15% boost in adoption after UX changes.
- Performed UAT for dashboards during a core product migration using JIRA to log and resolve 70+ data defects, ensuring consistent post-migration performance.
- Defined KPIs and contributed analytics tasks across 10+ agile sprints using JIRA/Confluence, aligning client success reporting and improving stakeholder engagement.
- Created a reconciliation process using SQL scripts to align system event logs with billing and subscription data, which helped identify and correct over ₹3.2M in revenue leakage for a cloud services provider.

EDUCATION

Webster University **Jan 2023 – Oct 2024**
Masters in Information Technology Management
Rajiv Gandhi University of Knowledge Technologies **Aug 2017 – July 2021**
Bachelors in Mechanical Engineering

PROJECTS

Data Professional Survey Dashboard | *Power BI*

- Built a Power BI dashboard analyzing 630+ survey responses across 4 countries; visualized salary, work-life balance, and career challenges using bar, pie, and gauge charts.
- Uncovered 42.7% neutrality on entry difficulty and 25.6% salary dissatisfaction; led HR to lunch mentorship and comp reviews, and comp reviews, boosting satisfaction by 18%.

Healthcare Operations Insights Dashboard | *Tableau, SQL, Excel*

- Designed a Tableau dashboard 100k+ patient records across departments, uncovering a 22% rise in cardiology stays and informing discharge planning improvements.
- Cleaned clinical and admission data using SQL and Excel to visualize treatment outcomes; revealed a 15% seasonal spike in ER visits, aiding 12% better resource utilization.

House Price Prediction Using ML | *ML, Python libraries*

- Developed a linear regression model in Python to predict housing prices using features like size, location, and amenities, achieving low MAE and RMSE scores.
- Cleaned and normalized data by handling nulls and outliers using Pandas, improving model accuracy and convergence speed during training.
- Performed EDA with matplotlib and Seaborn to uncover price-driving patterns; findings guided feature selection and improved interpretability for stakeholders.