

Prasanna Kottur

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SUMMARY

Data Analyst experienced in developing data models, building dashboards, and delivering analytics solutions using SQL, Python, and Power BI/Tableau/QuickSight. Skilled in end-to-end data workflows including ETL, automation, quality validation, and performance optimization. Hands-on with AWS cloud environments (S3, Redshift, IAM) and capable of transforming large datasets into actionable business insights. Strong analytical mindset with exposure to forecasting, statistical modeling, and machine learning workflows, along with practical experience collaborating across engineering and product teams to drive data-backed decisions.

TECHNICAL SKILLS

- **Analytics & Visualization:** Amazon QuickSight, Tableau, Power BI, Excel (Pivot Tables)
- **Databases:** MS SQL Server, SQLite
- **Programming:** Python, R, SAS, C, C++
- **Modeling:** Forecasting, Regression, Clustering, Random Forest
- **Cloud Platforms:** AWS (S3, Redshift, IAM), Anaconda, Jupyter Notebook
- **AI/ML & Other Tools:** OpenAI APIs, LangChain, Prompt Engineering, JSON, Palantir Foundry, Git, REST APIs

PROFESSIONAL EXPERIENCE

Reality AI Inc. | Generative AI Data Analyst

January 2025 – December 2025

- Built **Python + SQL pipelines** to clean, validate, and process **250K+ records**, improving dataset reliability and reducing inconsistencies by **40%** for A/B testing and analytics workflows.
- Partnered with **product/ops stakeholders** to define KPIs, reporting logic, and dashboard requirements for decision-making.
- Developed **3+ interactive dashboards** in **QuickSight/Power BI/Tableau** with automated refresh and drill-down metrics, cutting manual reporting work by **30%** and improving stakeholder insight flow.
- Presented **weekly dashboard insights** to stakeholders and guided decisions on performance improvements and prioritization.
- Implemented **query optimization and indexing strategies** across large PostgreSQL/Aurora datasets, reducing read latency by **35%** and improving dashboard + API response performance.
- Created **data-quality automation scripts** detecting schema breaks, null clusters, and outlier patterns using Pandas, reducing repeated QA issues by **40%** and increasing stability of pipelines.

OpenQQuantify | Data Analyst Intern

September 2024 – December 2024

- Analyzed **500K+ financial and CRM records using SQL/Python**, uncovering pricing and trend patterns that improved forecasting accuracy by **15%** and supported data-driven decision making.
- Identified **key drivers** behind pricing and trend patterns and **recommended actions** to improve forecasting accuracy.
- Designed and deployed a **Palantir Foundry based CRM analytics dashboard** linking **500+ employer profiles to 100+ companies**, improving lead-matching accuracy by **40%** and enhancing talent-placement workflows.
- Translated **business requirements into dashboards**, ensured metric definitions were consistent, and improved decision speed for leadership.
- Defined KPI metrics and automated recurring reporting pipelines, enabling **10+ business performance dashboards**, reducing manual report generation effort, and improving visibility for stakeholders.

TripAI Technologies | Business Intelligence Analyst

September 2024 – December 2024

- Automated data reconciliation workflows in Python (Pandas/NumPy) for **100K+ aviation records**, reducing manual validation time by **60%** and improving data processing efficiency.
- Standardized cleaning and transformation logic for **unstructured flight load sheet data**, increasing overall **data accuracy by 30%** and reducing reporting inconsistencies.
- Defined **KPI framework** for aviation operations (delay, weight balance, load utilization), improving clarity and stakeholder alignment.
- Developed **SQL/Python-based anomaly detection pipelines** to flag operational exceptions, reducing compliance and safety risks by **35%** across flight operations.
- Built analytical tools and visualization dashboards supporting **key flight metrics (weight, center of gravity, cargo distribution, occupancy trends)** that helped decision-making for operations and revenue teams.
- Created **business insights reports** highlighting operational bottlenecks and recommending solutions for cargo/occupancy optimization.
- Collaborated with aviation domain experts to define data rules, validation checks, and business logic, improving reliability of datasets used for daily operational reporting.

PROJECTS

AI-Driven Data Insights Automation System

Python, SQL, PowerBI/Tableau

- Built an automated ETL pipeline using Python + SQL to clean, validate, and process millions of records, improving data reliability.
- Integrated curated datasets into Power BI/Tableau dashboards with scheduled refresh, enabling near real-time KPI monitoring.
- Automated reporting workflows and reduced manual effort by 50%+ through reusable scripts, validation rules, and structured data models.

CRM Analytics Dashboard

Palantir Foundry, SQL, Power BI/Tableau, ETL, Data Modeling

- Designed and deployed KPI dashboards for CRM data (100 companies, 500+ employer records) to improve business visibility.
- Built ETL workflows and SQL-based transformations to standardize data and ensure accurate reporting.
- Defined KPI logic and created stakeholder-friendly dashboards that improved decision-making and performance tracking.

Samsung 5G Market Analysis

Power BI, SQL, Excel, KPI Design

- Analyzed sales + revenue trends across regions to identify high-performing markets and growth opportunities.
- Built Power BI dashboards with KPIs (market share, unit sales, revenue) and automated reporting for stakeholder decision-making.
- Used SQL/Excel for cleaning, transformation, and segmentation to improve accuracy and insight quality.

EDUCATION

University of Texas at Arlington | Masters (MS) in Business Analytics

January 2023 – December 2024

Pune University | Bachelors in Computer Science

August 2018 – September 2022