

Prasanna Kottur

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Summary

Business Intelligence Engineer skilled in building **QuickSight/Power BI/Tableau** dashboards, data modeling with **SQL/Python**, and cloud analytics on **AWS (S3, Redshift)**. Experienced in KPI design, ETL pipelines, and AI-driven automation, with a strong focus on performance optimization and stakeholder-ready insights.

Skills

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

Professional Experience

- **Reality AI Inc.** Jan 2025 – Present
Generative AI Data Analyst Intern San Francisco, CA
 - Developed **Python+SQL pipelines** to clean/validate 250K+ records, reducing inconsistencies by 40% and boosting reliability of A/B testing results.
 - Designed 3+ interactive dashboards (QuickSight/Power BI/Tableau) with automated refresh, cutting manual reporting effort by 30%.
 - Optimized SQL queries and indexing strategies on large datasets, decreasing query latency by 35%.
 - Built automated data-quality scripts in Python (Pandas) to detect schema mismatches, nulls, and outliers, reducing errors by 40%.
 - Collaborated with engineering and product teams via Confluence/Jira to document pipeline architecture, risks, and validation protocols.
- **OpenQQuantify** Aug 2024 – Dec 2024
Business Intelligence Analyst Intern Washington, DC
 - Monitored 10+ KPIs; performed funnel/cohort analyses that increased marketing ROI by 20%.
 - Analyzed 500K+ rows in SQL/Python to uncover pricing/forecasting patterns, improving prediction accuracy by 15%.
 - Built a CRM dashboard in Palantir Foundry linking 500+ employer records to 100 companies, improving match accuracy by 40%.
 - Designed schema and backups for KPI databases, reducing downtime risks by 20%.
- **Trip AI Technologies** Aug 2024 – Dec 2024
Business Intelligence Analyst Intern Dallas, TX
 - Automated reconciliation workflows in Python (Pandas/NumPy) to process 100K+ aviation records, cutting validation effort by 60%.
 - Standardized and automated validation for unstructured flight load sheet data, improving data accuracy by 30%.
 - Developed anomaly detection scripts in SQL/Python to flag operational issues, reducing compliance risks by 35%.
 - Built tools for flight metrics (e.g., center of gravity) with real-time visualizations, supporting operational safety and revenue optimization.

Projects

- **CRM Analytics Dashboard** | Palantir Foundry, SQL, Python
 - Designed CRM dashboard integrating 100 companies and 500+ employer records; dynamic filtering improved decision-making efficiency by 60%.
 - Implemented role-based access and drill-down capabilities, ensuring secure insights for executives and analysts.
- **Samsung Smartphone Sales Dashboard** | Tableau, SQL
 - Built Tableau dashboard tracking 10M+ unit sales, 5G adoption trends, and revenue distribution across 5 regions; insights improved product launch strategies.
 - Enhanced performance by optimizing SQL queries and applying extracts, cutting dashboard load times by 40%.
- **Tesla Sales Insights Dashboard** | Power BI, SQL
 - Developed Power BI dashboard integrating SQL queries and Power Query/DAX; enabled analysis of profitability, revenue distribution, and inventory planning.
 - Introduced time-series forecasting visuals to project future sales trends, supporting strategic planning decisions.

Education

- **University of Texas at Arlington** Jan 2023 – Dec 2024
Master of Science in Business Analytics Arlington, TX
- Relevant Coursework: Python, Data Science, Forecasting, Data Mining, Data Warehousing, Cloud Computing, Statistics, Web & Social Analytics