Janardhan Reddy Illuru

Data Analyst

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GitHub - github.com/Jana2207 ¦ Bengaluru, India ¦ Portfolio - https://jana2207.github.io/

SUMMARY

As a highly motivated and detail-oriented data analyst, I aim to leverage my analytical skills and proficiency in data manipulation, statistical analysis, and data visualization tools such as Excel, Power BI, and SQL to help organizations transform data into actionable insights. Eager to apply my knowledge of data mining, reporting, and problem-solving to support data-driven decision-making and contribute to business growth. I seek to continuously enhance my skills and grow within a dynamic environment that values precision, collaboration, and innovation.

EXPERIENCE

Trainee Engineer- LiDAR data processing

Aarvee Associates - 06/2023 - 06/2024

Developed 3D road models using LiDAR data to predict deterioration and optimize maintenance. Utilized Python, TensorFlow, Scikit-learn, CNN, and GIS for analysis. Analyzed LiDAR models with CNNs to detect cracks and potholes for better maintenance predictions. Achieved 95% accuracy, reducing inspection time by 30% and improving maintenance efficiency.

Data Scientist

Learnbay - 06/2024 - 02/2025

Performed data analytics using SQL, Power BI, and Tableau to extract, transform, and visualize data, enabling data-driven decision-making. Developed interactive dashboards and reports to track key business metrics and trends. Conducted data preprocessing, feature engineering, and statistical analysis to ensure data accuracy and reliability. Applied machine learning, deep learning, and NLP techniques for advanced analytics and predictive modeling.

SKILLS

Python | **Microsoft PowerBI** | **MySQL** | **Tableau** | **Advance Excel** | **Statistics** | **Advanced DAX** | **Machine Learning** | **Natural Language Processing** | **Numpy** | **Pandas** | **Seaborn** | **Matplotlib** | **Scikit-learn** | **MongoDB** | **NoSQL**

PROJECTS

Scalable Data Warehouse & Advanced Analytics for Business Intelligence

https://github.com/Jana2207/Scalable-Data-Warehousing-ELT-From-Raw-Data-to-Business-Insights/tree/main

- **Designed** a 3-tier Data Warehouse (**Bronze, Silver, Gold**), reducing **data retrieval time by 40%** through optimized storage and indexing.
- **Implemented** an **ELT pipeline** (batch processing, SCD1, full load), improving data processing efficiency by 35% and ensuring seamless integration.
- **Developed SQL-based reports**, cutting **dashboard creation time by 50%** and enhancing real-time decision-making.
- **Applied** Advanced Analytics techniques (**Trends, Performance Metrics**), boosting **revenue forecasting accuracy by 30%** and optimizing business insights.

E-commerce Sales Analysis for Amazon USA using SQL

https://github.com/Jana2207/Amazon_data_analytics_using_sql/tree/main?tab=readme-ov-file#readme

- **Analyzed** over 20,000 sales records across 9 relational tables to uncover insights on customer behavior, product performance, and sales trends.
- **Designed and executed** complex SQL queries for revenue analysis, customer segmentation, and inventory optimization, ensuring accurate data integration through table relationships.
- **Identified actionable insights,** addressing high return rates & shipment delays, which improved inventory management & reduced stockouts by 25%.

Business Analysis, Optimization, and Budgeting for Crunchy Corner using PowerBI

https://github.com/Jana2207/Crunchy-Corner-Business-Analysis-Optimization-and-Budgeting

- **Analyzed and optimized** financial performance and cost management for Crunchy Corner, a leading fast-food chain, driving strategic decision-making through data insights.
- **Streamlined data** from 37 to 30 features, creating efficient fact and dimension tables for analysis and developing dashboards with KPIs, cost components, and budget performance using advanced visualizations like Mekko charts and Pareto analysis.
- **Achieved** a 15-20% increase in net revenue, a 10-12% boost in EBITDA margins, and a 7-10% reduction in operational costs through targeted optimizations.

Operational Performance Dashboard for Blinkit using PowerBI

https://github.com/Jana2207/Blinkit_analysis_powerbi

- **Designed and implemented** an interactive dashboard to provide real-time insights into orders, inventory, and customer satisfaction, enabling data-driven decisions.
- **Developed advanced visualizations** with interactive filters and drill-down capabilities to analyze key KPIs, including order trends, delivery efficiency, and revenue performance.
- **Delivered impactful results,** reducing decision-making time by 25%, improving delivery efficiency by 15%, and increasing revenue by 12%.

CERTIFICATION

Advanced Data Science and AI - IBM

EDUCATION

Bachelor of Technology

Indian Institutes of Information Technology, RK Valley

06/2019 - 04/2023 Andhra Pradesh, India