Madhav Kulkarni

DATA ANALYST - Power BI Reporting, DAX Formula Creation & SQL Query Optimization

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SKILLS

- **Power BI Development**: Devised dashboards and reports for real-time, data-driven decision-making support daily.
- **SQL Server (2012, 2016)**: Managed and queried relational databases for optimized and secure data handling tasks.
- **T-SQL Query Writing**: Wrote complex queries and stored procedures for data retrieval and analysis jobs.
- **DAX**: Data Analysis Expressions for advanced measures, KPIs, and calculations in Power BI models daily.
- **Data Warehousing & Star Schema**: Designed scalable storage systems using star schema for BI workflows tasks.

WORK EXPERIENCE

Power BI Developer   **January 2021 – Present**
PowerSoft Global Solutions Pvt Ltd   *India*

- Developed 50+ Power BI reports & dashboards, leveraging SQL Server data & DAX calculations, enhancing visibility for 100+ users and reducing reporting time by 40%. Analyzed advanced filtering & visuals to drive actionable insights.
- Extracted, transformed, and loaded data from disparate sources using Power Query Editor, improving data accuracy by 35% for analysis across Retail, Insurance & Healthcare sectors. Optimized ETL processes for performance & scalability.
- Created 100+ measures, calculated columns, and implemented Row Level Security (RLS) in Power BI, ensuring secure, and tailored data access for 150+ users while maintaining data integrity. Incorporated filtering to optimize report.
- Designed and deployed interactive reports using Power BI features like KPIs, slicers, drill-through, and bookmarks, improving engagement by 30% and facilitating data-driven decisions. Enabled drill-down to enhance data exploration.
- Managed 30+ reports via Power BI Service, publishing and organizing through Workspaces and Apps, ensuring the seamless access control and report distribution. Implemented audit logging for detailed report tracking and compliance.
- Configured & maintained On-premise Gateways, implementing automated data refresh schedules, ensuring 98% uptime.

PROJECT EXPERIENCE

Alexion – Power BI Developer   **January 2023 – Present**
PowerSoft Global Solutions Pvt Ltd   *Banglore*

- Retrieved & transformed API data using PowerShell,Integrated 30+ workflows, reducing manual effort by 50% and enhancing extraction speed. Optimally integrated SAP R3 and SAP CRM data into Azure SQL Data Warehouse.
- Rendered dimension and fact tables using Star Schema for optimized data modeling, decreasing query processing time by 45% and boosting overall system performance. Built SSAS Tabular Model cubes to accelerate complex queries.
- Formulated and programmed deployment scripts for SQL, SSIS packages, and Tabular Model cubes, enhancing deployment efficiency by 60%. Ensured consistency in platform environments, minimizing the manual deployment errors.
- Initiated the interactive Power BI dashboards with custom visuals, increasing user engagement by 40%. Incorporated features like drill-through, Streamlined filters, and slicers, enriching the depth of analysis for business stakeholders.
- Implemented Row-Level Security and Data Blending in Power BI to ensure data governance. Managed access for 100+ users while maintaining secure, consistent reporting, leading to better compliance & user satisfaction with the reports.
- Prepared on ETL processes using SQL Server Integration Services, optimizing workflows & data flow efficiency by 50%.

American Insurance – Power BI Developer   **May 2021 – October 2022**
PowerSoft Global Solutions Pvt Ltd.   *Banglore*

- Accessed and integrated data from SQL Server and flat files into Power BI, enabling data-driven analysis for 200+ users. Improved report generation speed by 50% and minimized inconsistencies across the multi-source datasets.
- Applied Power Query for transformation and cleansing, reducing null and duplicate entries by 35%. Systematized ETL workflows to enforce schema consistency and standardize structured data quality across scheduled refresh intervals.
- Defined relationships using Power BI modeling and Composed 100+ DAX-driven calculated columns, measures, and expressions. Reduced visual latency by 20% while optimizing runtime performance across semantic analytical views.
- Assembled and deployed MTD, QTD, YTD time-based intelligence metrics using advanced DAX constructs. Enabled the rolling aggregation and supported comparative trend analysis across three vertical-specific business intelligence.
- Scheduled incremental refreshes via Power BI Gateway, sustaining 99% data uptime. Reduced cache load times by 40% and enhanced processing efficiency through parameterized refresh cycles and clustered gateway configurations.
- Drafted staging, dimension; fact tables. Performed unit testing & resolved 30+ data issues, enhancing report reliability.

EDUCATION

Master of Business Administration   **January 2014 – May 2015**
Staffordshire University, UK

Bachelor of Engineering: Computer Science   **August 2009 – June 2012**
Appa Institute of Engineering, India