ALOK SINGH

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# Profile

Dedicated Power BI Developer with more than 3 years of experience in gathering data from various sources and transforming it into insights reports and dashboards. Proficient in data modeling and integrating reporting components from multiple data sources.

# Experience

**POWER BI DEVELOPER| MANDELBULB TECHNOLOGIES | JAN 2022 – PRESENT**

* Executed data modeling and designed schematic data models with SQL, enhancing data consistency by 30%.
* Implemented quality checks for data accuracy, reducing data inconsistencies by 40%.
* Designed ETL processes using SSIS and SQL, enhancing data loading speed by 45%.
* Developed end-to-end custom business applications using Microsoft Power Apps, enabling organizations to streamline processes and reduce manual efforts.
* Automated routine tasks by integrating Power Apps with Power Automate for scheduling notifications, document generation, and task approvals, reducing operational overhead.
* Utilized the Common Data Service (Dataverse) and integrated data from SharePoint, SQL Server, and other data sources, providing a centralized and scalable data solution for apps.

**POWER BI TRAINEE | CELEBAL TECHNOLOGIES | AUG 2021 – NOV 2021**

* Develop interactive dashboards and reports using Power BI to meet business requirements and objectives.
* Connect Power BI to various data sources, including database, Excel files, CSV files, SQL Server, MySQL database, Azure Databricks and web, to Extract and integrate data for analysis.
* Design and implement data models, including data cleaning, transforming, and Modeling Techniques, to ensure accurate and efficient data analysis.
* Developed custom apps using Microsoft Power Apps to automate business processes and enhance productivity by integrating with SharePoint as a backend data repository.
* Created and optimized SharePoint lists and libraries to manage data effectively, enabling seamless interaction with Power Apps for dynamic, user-friendly interfaces.
* Implemented workflow automation by connecting Power Apps with Power Automate to automate approval processes, notifications, and other tasks.
* Ensured data security and access control through proper management of SharePoint permissions and Power Apps environments.

**POWER BI INTERNSHIP | AIVARIANT | JAN 2021 – JULY 2021**

* Develop interactive dashboards and reports using Power BI to meet business requirements and objectives.
* Connect Power BI to various data sources, including database, Excel files, CSV files, SQL Server, MySQL database, KQL database, Azure Databricks and web, to Extract and integrate data for analysis.
* Design and implement data models, including data cleaning, transforming, and Modelling Techniques, to ensure accurate and efficient data analysis.
* Integrated Power BI reports with external data sources like SQL Server and SharePoint.
* Optimized data models and relationships to improve report performance.

# Education

**ARYA COLLEGE OF ENGINEERING & RESEARCH CENTER, JAIPUR | 2020 M.TECH (STRUCTURAL ENGINEERING)**

**POORNIMA INSTITUTE OF ENGINEERING & TECHNOLOGY, JAIPUR | 2018**

**B. TECH (CIVIL ENGINEERING)**

# Skills

**TECHNICAL SKILLS**

**Data Analysis, Data Visualizations, SQL, DAX, KQL**

**TOOLS**

**MySQL, SSMS, Microsoft Fabric, Microsoft Power BI, Tableau, Microsoft Excel, GitHub, Power Apps, SharePoint**

# Projects

**Trade Dashboard Integration for Market Research Company Tools / Technologies Used: - Power BI, KQL, Microsoft Fabric**

* Gathered data from Excel, KQL, and other data sources. Transformed the data and produced reports using the Power BI platform. Optimized dashboards with a focus on usability and performance.
* Developed interactive dashboards for tracking export-import data using Power BI.
* Analyzed trade patterns and trends to optimize business strategies.
* Provided actionable insights to improve supply chain performance.

**Fleet Management Dashboard**

**Technologies Used: - Power BI, KQL, Azure Databricks**

* The Fleet Energies project pioneers AI-driven solutions for real-time carbon emissions tracking in transportation, fostering sustainability and efficiency in fleet operations.
* Orchestrated seamless data integration from Fleet Energies datasets into reporting systems.
* Developed and optimized Power BI data models for insightful Fleet energy consumption analysis.
* Collaborated closely with stakeholders, offering progress updates and incorporating feedback iteratively.

**Real-Time Solar Plant Management Dashboard Technologies Used: - Power BI, KQL, Microsoft Fabric**

* The Solar Plant Management project leverages AI-driven analytics to monitor real-time solar plant performance, ensuring optimal energy output, reduced downtime, and predictive maintenance.
* Designed and implemented seamless data integration from solar plant monitoring systems into real-time reporting solutions.
* Developed and optimized Power BI data models to analyze key performance indicators, including energy generation, downtime, maintenance trends, and cost efficiency.
* Developed interactive Power BI dashboards for real-time monitoring of solar plant performance, including energy generation, downtime trends, and maintenance activities.
* Implemented real-time data streaming using KQL and Microsoft Fabric to visualize energy production fluctuations and detect anomalies instantly.

# Certifications

* **Fabric Analytics Engineer Associate (DP-600).**
* **Microsoft Power Platform Developer Associate (PL-400).**
* **Microsoft Power BI Data Analyst Associate (PL-300).**
* **Data Analyst Certification - Excelr.**
* **Data Visualization - IBM Developer Skills Network.**
* **SQL and Relational Databases - Cognitive Class.ai (IBM).**