BHAWNA SAINI

Data Engineer & Power BI Developer

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SUMMARY

Aspiring Data Engineer & Power BI Developer with a strong foundation in Python, SQL, Power BI, and Big Data tools like Databricks and PySpark. Experienced in working with large datasets, building dashboards, and performing EDA. Azure DP-900 certified, with a passion for creating scalable data pipelines and delivering actionable insights.

WORK EXPERIENCE

Arbre Creation Pvt. Ltd. | Data Analyst [jan 2024-Till Now]

Role & Responsibilites:-

- Built and optimized automated **data pipelines** using Python, SQL, and Azure Data Factory for large-scale data processing.
- Used Databricks and PySpark to clean, transform, and prepare high-volume datasets for real-time product insights.
- Designed and maintained data models to support **Power BI dashboards** for product performance tracking.
- Integrated data from **APIs and SQL databases**, ensuring data quality with validation checks and logging.
- Collaborated with product teams to deliver **scalable, analytics-ready** datasets for key product features.
- Involved in **MSBI** projects with Extensive usages of **ETL & Reporting tools** like **SQL Server Integration Services**(SSIS) and **SQL Server Reporting Services**(SSRS).
- Proven proficiency at Data Transformation like **Lookup, Dervied Column, Conditional split, sort, data conversion, union All, Merge, Scd** etc.
- Experience in providing Error Logging and Error handling for SSIS Package.

PROJECTS:-1 NIFTY-50 – 24-years Analysis

- Time Series Analysis of daily candlestick data for the last 24 years using Python libraries like Pandas, NumPy, Seaborn, Matplotlib
- Observed that drastic reduction in volatility for both Dividend Yield and Index Return after 2008. The Standard Deviation for these metrics particularly decreased around 2008.

PROJECT:-2 Financial Correlation Analysis

- Done Time Series analysis of one-minute candlestick data from January 2017 to January 2021 using Python libraries, finding correlations between major Nifty indices and Indian banks.
- Discovered a strong correlation of 0.95 between Bank Nifty and Nifty Financial Services index, highlighting their interdependence.

PROJECT:-3 Sales analytics

- Conducted sales analysis on over 100,000 records with Python, employing Python libraries (Pandas, NumPy, Seaborn, Matplotlib), including data cleaning and adaptive adjustments.
- Generated statistical insights to reveal customer behavior, patterns, and trends, enabling comprehensive analysis of the data.

SKILLS

- **Power BI**: Power Query, DAX, Dashboards, Data Modeling, ETL, Reporting, Power BI Service, Data Transformation, Story telling, Designed different types of reports like **group by, Drill Down, Drill Through and Sub reports**.
- **SQL**: Joins, Subqueries, CTEs, Window Functions, Indexing, Optimization, group by, select, views, store procedure, **DDL, DML, DCL .**
- **Python**: Pandas, NumPy, Matplotlib, Seaborn, Machine Learning, Predictive Modeling.

- **Azure**: Azure SQL, Data Integration, Storage, Cloud Computing, Azure Data Services.
- **Big Data**: Pyspark, Distributed Computing, Spark SQL, DataBricks, Apache Spark, Data Pipelines, Medallian Architure.
- **Soft Skills**: Communication, Problem-Solving, Teamwork, Decision-Making, Time Management.

CERTIFICATIONS

- **Microsoft Azure DP-900** – Expertise in Azure Fundamentals, Cloud Solutions, and Data Management.
- Masters in Data Science with Power BI (Generative AI) – Console Flare.
- Data Analyst Certification – Pantech Solutions.

EXTRACURRICULAR ACTIVITIES

- British Airways Data Science Job Simulation – Forage (March 2025).[Link]
- Accenture North America Data Analytics & Visualization Simulation – Forage (October 2024).