

ABDUL SAMAD

DATA ANALYST

Portfolio: <https://github.com/AbdulSama d512?tab=repositories>

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OBJECTIVE

Passionate about uncovering stories and insights from complex data sets, I specialize in optimizing data-driven strategies across industries. As a Business Intelligence (BI) consultant, I leverage tools like Power BI to transform intricate data into actionable insights, enabling informed decision-making. Combining technical expertise with strategic foresight, I craft tailored BI solutions that align with client objectives. By streamlining data pipelines, designing interactive dashboards, and deploying advanced analytics, I empower organizations to unlock the full potential of their data assets.

EXPERIENCE

Data Analyst – Diamond Super Market [JUNE-2024] currently working.

- Designed and implemented interactive dashboards and reports to enhance business decision-making, utilizing Row-Level Security (RLS), complex queries, and working with SSAS, dataflow, and data mart.
- Applied incremental refresh techniques and managed archive partitions to optimize data processing and reporting.
- Collaborated with cross-functional teams to gather, preprocess, and analyze large datasets, ensuring data quality and reliability.
- Delivered actionable insights through financial, sales, and risk analyses tailored to meet organizational objectives.
- Streamlined data pipelines and workflows, improving reporting efficiency and supporting real-time business intelligence.

PROJECT HIGHLIGHTS

(POWER BI Projects):

1-Winter Sales Forecasting: This project uses SARIMA to forecast sales for Coffee, Dry-Fruit, and Soup, capturing seasonality, trends, and autocorrelation for each category. The results are visualized in Power BI, with actual vs. forecasted sales displayed in line charts, and key metrics like MSE and AIC shown in card visuals. Seasonal trends and forecasts are further explored using decomposition charts, with

interactive slicers for product categories. This comprehensive approach helps businesses optimize stock management, sales strategies, and performance monitoring.

2-Product Performance Dashboard: These dashboard visualizations enhanced decision-making by presenting key metrics such as sales, profit, and product demand trends. Incremental refresh was applied, leveraging SSAS for efficient data handling and synchronization of new data on demand. The dashboards utilized SSMS views for data fetching, with Row-Level Security (RLS) implemented to ensure secure and role-based data access.

3-Branch Performance Dashboard: Developed a Branch Performance Dashboard in Power BI to analyze sales, profit, and product trends across multiple branches. Utilized SSAS for incremental refresh and seamless synchronization of new data on demand, with data sourced via SSMS views. Implemented Row-Level Security (RLS) for secure access and deployed the solution using Power BI Service.

Remaining Power BI Projects:

(HR Analytics, Sales Analysis, Purchase Analysis, Sales-Purchase Ratio Analysis, Income-Statement, Customer Analytics, Employee Performance, Internal-Audit Expense Analysis, Finance Dashboard, Risk Management) Dashboards.

(Data Science Projects):

1-Stock Price Prediction: This project builds a deep learning model for time-series forecasting using an LSTM network with four layers (50, 60, 80, 120 units) to capture temporal dependencies. Dropout layers are used to prevent overfitting, and the model outputs predictions through a Dense layer. Designed for time-series data, it's ideal for applications like stock price prediction or weather forecasting, aiming to enhance accuracy while reducing overfitting risks.

2-Employee Churn Prediction: Developed an Employee Churn Prediction System using machine learning models like Random-Forest-Classifer and XGB-Classifer, optimized with Grid-Search-CV for hyper-parameters. A Flask-based interface allows real-time employee data input and predictions. This project highlights expertise in machine learning, hyper-parameter tuning, and full-stack development for improving employee retention strategies.

3-Supermarket Sales Prediction: The Sales Prediction System for XYZ Stores uses a trained machine learning model to predict sales based on historical data. It helps store managers and analysts make informed decisions by providing real-time sales predictions, optimizing inventory, planning promotions, and improving product placement efficiency.

4-AI-Voice Assistant: Developed an AI Voice Assistant with interactive voice and text-based queries, featuring a "Speak Now" button for seamless interaction. Built using Python (Flask), HTML/CSS/JavaScript, and integrating voice-to-text, text-to-speech APIs, and pre-trained LLMs for accurate, context-aware responses. This project showcases AI applications in education, customer support, and learning platforms.

(Remaining Data-Science Projects)

(Potato Disease Classification. Airline Customer Satisfaction MLOPS, Restaurant Price Prediction, Flight Price Prediction, Sentiment Analysis using NLP)

SKILLS:

1-Business-Intelligence: Power-BI, Microsoft-Fabric, Excel.

2-Programming: Python and other ML&DL framework.

3-Data-Engineering: PySpark, Sql-Server, Azure Data Factory.

4-ERP: Sap B-One.

Education:

BS(Artificial-Intelligence): Dawood University of Engineering and Technology.

Diploma In Artificial Intelligence Developer: PIAIC.

Certified Python and ML Developer: Ehunar.

Additional Highlights:

- Proven ability to manage and improve reporting processes while ensuring regulatory compliance.
- Adept at transforming complex datasets into clear, actionable insights for decision-making.
- Passionate about advancing skills in data science and data analysis within the business sector.