Shivanshu Shekhar

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Profile of Skills

- An experienced Business Intelligence specialist with expertise in providing data-driven insights.
- Master's degree in Management specializing in Data Analytics, Bachelor's degree in Engineering.
- Toolkit – Power BI, SQL, MS Excel, Python, MS Access, Power Apps, ETL tools (SSIS, Informatica).
- Excellent in communicating technical findings in a business context to cross-functional teams.
- Problem-solving ability with attention to detail in presentations through effective collaboration.

Education

Master of Management (Business Data Analytics), *University of Windsor, Canada*

- GPA: 88%. Dean's List, 2nd Place for the National Bank of Canada Case competition
- Courses: Machine Learning, Project Management, Business Analytics, Finance, Accounting

Bachelor of Technology, *UPES Dehradun, India*

- Courses: Statistics, Mathematics

Professional Experience

Business Data Analyst, Canadian Tire   Sep 2024 – Present
- Developed and conducted a/b testing on PowerBI dashboards for monitoring and tracking of the key Supply chain KPI metrics such as on-time delivery, inventory levels, and shipping costs.
- Automated the report generation by developing Python codes and query processing in Microsoft Access databases for process improvements in tracking retail data.
- Streamlined data extraction and operational task automation using SQL queries and DAX codes, reducing the reporting time by 30%.
- Improved reporting efficiency by building custom metrics and Key Performance Indicators using advanced DAX calculations,reducing reporting turnaround time from 5 days to 2 days.
- Improved database performance by query optimization techniques, reducing query execution time by 40% and enhancing the database performance.

Inventory Data Analyst, Rogers Communications   July 2024 – Aug 2024
- Performed exploratory data analysis (EDA) and data preparation, including handling missing values, to uncover trends and improve the accuracy of inventory forecasts worth $3.5 million.
- Coordinated with suppliers and contractors to guarantee timely delivery of materials and manage the scheduling of returns and storage in the operational systems.
- Performed comprehensive checks and assessments on predictive models before deployment, ensuring accuracy and efficiency.

Data Analyst, Philips India   Sep 2020 – Aug 2022
- Developed and maintained interactive reports on BI tools (Qlik and Power BI) for end users to analyze and keep track of sales, inventory levels, and product mix data, resulting in a 10% increase in sales efficiency.
- Developed and optimized 10+ ETL pipelines using Azure Data Factory, improving data integration efficiency by 30% and ensuring timely delivery of business insights.
- Monitored data quality and interpreted inventory levels to ensure alignment with sales plans by tracking store sales,inventory, and customer behavior for tackling business problems.

Projects

Capstone Project (Developing a Predictive model for university rankings)

- Conducted comprehensive data cleaning on 10 years of FT ranking data to prepare for predictive modeling of university rankings.
- Applied machine learning algorithms in R studio, including regression and ensemble methods, to develop a predictivemodel for accurate rank prediction.
- Enhanced data pipelines efficiency and accuracy by over 90% through rigorous feature engineering and tuning, providing actionable insights for stakeholders in higher education.

HR Analytics dashboard in Power BI ([Portfolio Link](#))

- Utilized DAX functions in Power query for visualizing monthly employee attendance trends.
- Integrated diverse data sources, including HRIS, through effective data modeling in Power BI for tracking the KPIs for HR reporting.
- Incorporated interactive visuals in the dashboard to track sick-leave occurrences and employee performance trends.

Sales Performance Analysis report using MySQL and Power BI ([Portfolio Link](#))

- Developed ETL pipelines to transfer MySQL sales and customer data to Power BI, handling datasets from 10 GB to 100 GB for efficient analytics.
- Developed a robust data model facilitating relationships for in-depth sales analysis.
- Utilized Power BI for dynamic visualizations, enabling stakeholders to explore sales trends Effectively.

Customer Segmentation using Python

- Utilized data pre-processing techniques (normalization and standardization) for cleaning the raw data using Python libraries (NumPy, Pandas, Seaborn and Matplotlib) and scikit-learn.
- Employed advanced clustering algorithms to identify distinct customer groups for fostering efficient workflow strategies for customer acquisition.
- Conducted text analysis on customer feedback using Natural Language Processing (NLP) techniques to gain deeper insights into customer sentiment and preferences.