Vyom Khanna
Data, BI & MI Analyst
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PERSONAL PROFILE:

Data Analyst with expertise in **Data Analysis**, **Business Intelligence**, and **MI Reporting**. Proficient in **SQL**, **Python**, **Power BI (DAX)**, **Qlik**, **Excel and ETL** and possess a strong foundation in **Machine Learning concepts**. I have a proven track record of delivering actionable insights across the **retail**, **insurance**, and **manufacturing** sectors. Hold knowledge of **UK GDPR/DPA 2018**, ensuring data-handling compliance. Adept at **Project Management, managing time**, **communicating effectively**, and **quickly adapting** to new challenges and environments, and a willing-to-learn attitude.

SKILLS:

SQL: Windows Functions, CASE, Joins, Indexing, Subquery, Partition by, Aggregate Function, ETL, CTEs, Limit, Rank, Offset, DBT

Python: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Pyspark

R: ggplot2, dplyr, caret, tidyr

Power BI: DAX, Power Query, Drill-through, Slicers

Qlik Sense / QlikView: Set Analysis, NPrinting, Resident, Applymap, QMC

Excel: Pivot Tables, VLOOKUP, Power Query, Solver, VBA, Macros

Scikit-learn: Linear Regression, Random Forest, K-Means

ETL: Alteryx, Python, Qlik

Project Management: Trello, Agile Methodology, Waterfall Methodology

Alteryx: Workflow Automation, Predictive Analytics, Geospatial

Reporting: Excel, Power BI, Qlik, SSRS

Google Analytics: Real-time Analytics, User Behaviour Analysis, Audience Insights

Cloud: Azure, Snowflake

Soft Skills: Communication, Collaboration, Time Management, Critical Thinking, Attention-to-Detail, Business Acumen

RELEVANT WORK EXPERIENCE:

Sales & Insight Assistant | Poundland & Dealz, Southampton, UK | Apr 2024 – Present

- **Prepared** and monitored **weekly, and monthly sales, SKU** and **customer reports**, identifying **underperforming products** and recommending actionable solutions.
- Created **Tableau dashboards** to present actionable **customer insights** to the management team, improving strategic decision-making.
- Participated in weekly meetings to discuss **store performance** and **customer preferences**, providing input based on observations at checkout.

Business Intelligence Analyst (On-site) | Team Computers Pvt Ltd, Gurgaon, India | Sep 2021 – May 2023

- Created interactive dashboards in **QlikSense** and **Power BI** by analysing raw data using **SQL** and **Python**, improving decision-making efficiency by **30%**.
- Gathered business requirements from stakeholders using **Agile** and **Waterfall methodologies** and presented **KPIs** and **trends** through dashboards, improving business insights delivery by **25%**.
- Automated over **100** daily reports for stakeholders and B2B clients, reducing manual effort by **70%** and improving report delivery efficiency.
- Optimised **SQL**, **Power BI DAX** queries, **Qlik** and **Alteryx ETL pipelines**, reducing data loading time by **3 hours** and achieving **95%** data accuracy.
- Designed **incentive reports** aligned with performance goals, driving a **15%** increase in quarterly sales productivity.
- **Trained junior developers** and **interns** in data analysis, SQL optimisation, SSRS automation and Power BI dashboard creation fostering a skilled and efficient team.
- **Collaborated** closely with the Head of Claims to define project objectives and ensure alignment with business goals.
- **Coordinated** with the IT team to optimise server and data warehouse performance, reducing data retrieval times by **20%** and enhancing system efficiency.
- Conducted **root cause analysis** to identify factors influencing ETL performance and implemented variables and safeguards.
- Utilised **MS Excel** features such as **pivot tables** and **VLOOKUP** for quick **data validation**, **ad-hoc analysis**, and **detailed reporting** to address immediate business needs.
- Transformed data using SQL, Alteryx and Qlik Sense integrating data from various sources into data warehouses.

Junior Data Analyst | Nipa International, Gurgaon, India | Jan 2021 – Aug 2021

- **Extracted** and **cleaned** manufacturing data using **SQL**, for **trend analysis** and reducing data processing time by **20%**.
- Developed **cost-saving reports** using **Excel** and **pivot tables**, presenting actionable insights that reduced expenses by **12%**.
- Designed and delivered **performance reports** using Excel and SQL, tracking key metrics like **production efficiency**, **downtime**, and **defect rates,** leading to a **15%** improvement in process monitoring.
- Monitored sales trends and B2B purchasing behaviour, providing actionable insights that increased upselling opportunities by 12%.

RELEVANT PROJECTS:

Logistics & Inventory

- Developed a logistics and inventory report using SQL and Tableau, incorporating KPIs to track stock levels, optimise deliveries, and prevent excess shipments. Shared insights with warehouse management, ensuring accurate and efficient order fulfilment.

Pendency & Productivity

- Developed a Claims Pendency Report using SQL, EDA, and Power BI dashboards to track unresolved claims, analyse ageing trends, and improve processing efficiency. Automated insights reduced average daily pending claims from 80K to 38K, increasing productivity by 52% and accelerating claim resolution.

Monthly Travel Insurance Dashboard

- Designed an interactive Power BI dashboard to track travel insurance sales, renewals, premium revenue, and claims efficiency. Automated insights led to a 15% increase in customer retention and 20% faster claim settlement, optimising decision-making and business performance.

Sales Analytics

- Utilised Power BI to create over 20 visualisations, identifying key sales trends, product performance metrics, and regional data insights. Delivered three actionable recommendations to optimise sales and reduce product returns, contributing to a 15% increase in sales for the next quarter.

SQL & DAX Optimisation

- Optimised SQL queries for efficient data extraction, reducing processing time and improving report accuracy. Enhanced DAX measures in Power BI for faster aggregations, better filtering, and dynamic calculations, leading to real-time insights and improved dashboard performance by 3 hours.

Git Portfolio

- Developed a Career portfolio website using HTML, CSS, and JavaScript with the assistance of ChatGPT, showcasing my experience and all industrial projects. Integrated Google Analytics and Tag Manager to learn & gain insights into web traffic and analytics. Currently exploring audio integration to enhance the site's functionality further.

Predicting London Bike Usage Using Machine Learning

- Developed a predictive model to optimise London's bike-sharing system using Python. Conducted data analysis and built machine learning models to forecast demand, enhancing resource allocation and efficiency.

SQL: Healthcare Analytics

- Optimised a SQL database for hospital staff shift allocation, designing queries to analyse schedules and work hours, resulting in an estimated 25% reduction in conflicts.

EDUCATION:

University of Southampton | Southampton, UK | Sep 2023 – Sep 2024
Masters of Science - Mathematics - Data and Decision Analytics (Merit)
Key Modules: Data Analytics, Data Science Techniques of Python, Snowflake, Statistical Computing for Data Science, Machine Learning, SQL, Power BI Data Visualisations, and Deterministic Methods for Data Science

SRM Institute of Science and Technology | Chennai, India | Jul 2016 – Dec 2020
Bachelor of Technology - Mechanical Engineering