

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, Subquery, Partition by, Aggregate Function, ETL, CTEs, Limit, Rank, Offset, DBT
 - Python:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn
 - 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, KMeans
- ETL:** Alteryx, SQL, Python
 - Project Management:** Trello, Agile Methodology, Waterfall Methodology
 - Reporting:** Excel, Power BI, Qlik, SSRS
 - Alteryx:** Workflow Automation, Predictive Analytics, Geospatial
 - Machine Learning and Statistical Analysis:** A/B and Hypothesis Testing
 - Cloud:** Real-time Analytics, User Behaviour Analysis, Audience Insights
 - Soft Skills:** Communication, Stakeholder Management, Attention to detail, Critical Thinking, Analytical and Numeric Skills, Time management, Organisation and Structure

RELEVANT WORK EXPERIENCE:

Sales 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.
- Assisted in creating **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* | Aug 2020 – Aug 2021

- Extracted** and **cleaned** manufacturing data from **ERP** using **MySQL**, 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.
- Identified 25 lakhs INR** in potential annual savings by analysing raw material usage and waste trends.
- Assisted in reducing audit preparation time by **30%** through **standardised reporting templates**.
- Monitored sales trends and B2B purchasing behaviour, providing actionable insights that increased upselling opportunities by 12%.

RELEVANT PROJECTS:

Pendency & Productivity Report

- Developed a Claims Pendency Report using **SQL**, **EDA**, and **Qlik** dashboards to track unresolved claims, analyse ageing trends, and improve processing efficiency. Automated insights using **Nprinting** that 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.

Geographic 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.

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.

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