

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:

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|-------------------------|----------------------|--------------------|
| • SQL | • Excel | • Reporting |
| • Python | • Scikit-learn | • Google Analytics |
| • R | • ETL | • Cloud |
| • Power BI | • Project Management | • Soft Skill |
| • Qlik Sense / QlikView | • Alteryx | |

RELEVANT WORK EXPERIENCE:

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:

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.

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