

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 | • ETL (Alteryx, SQL) | • Communication |
| • Python | • Project Management | • Stakeholder Management |
| • R | • Reporting | • Attention-to-detail |
| • Power BI | • Machine Learning and Statistical Analysis | • Critical Thinking |
| • Qlik Sense / QlikView | • Cloud (Azure, Snowflake) | • Analytical and Numeric Skills |
| • Excel | • Data Warehousing | • Time management |
| • Scikit-learn | • A/B and Hypothesis Testings | • Organisation and Structure |

RELEVANT WORK EXPERIENCE:

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

Team Computers is an Indian IT and data analytics services company, that delivers BI and automation solutions to enterprise clients across industries.

- Created interactive dashboards in **QlikSense** and **Power BI** by analysing raw data using **SQL** and **Python**, improving decision-making efficiency by **30%**.
- **Prepared** and monitored **weekly, and monthly sales, SKU and customer reports**, identifying **underperforming products** and recommending actionable solutions.
- Created **Qlik** and **Power BI** dashboards to present actionable **customer insights** to the management team, improving strategic decision-making.
- 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

Nipa International is a manufacturing and export company specialising in hardware and industrial components for global clients.

- **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