

Vyom Khanna

Data, Business Intelligence Developer, MI Reporting | ML and AI Enthusiaist

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Data enthusiast with past 4.5 years dedicated to Business Intelligence, Data Analysis, MI Reporting and ML. Skilled in SQL, Python, Power BI, Qlik Sense, Excel, and ETL processes, with a solid foundation in Machine Learning concepts. Proven track record of delivering actionable insights across retail, insurance, and manufacturing sectors. Knowledgeable in UK GDPR/DPA 2018 for compliant data handling. Experienced in project coordination, stakeholder communication, and time management. Regularly leverages ChatGPT and other LLMs to accelerate technical learning, enhance efficiency, bridge potential gaps, and stay current with evolving tools and methodologies. Adaptable, detail-oriented, and committed to continuous improvement, received a Letter of Recommendation from the client for the high-quality of work. Hold Right to Work in the UK.

SKILLS:

Programming Languages: Python, R, SQL
Data Engineering & ETL: Alteryx, DBT
Business Intelligence & Visualisation: Power BI, Qlik Sense / QlikView, Excel, SSRS, Tableau
Cloud and Warehouse: Azure, Snowflake
AI & LLM Tools: ChatGPT, Copilot
Project Management Tools: Trello, Agile Methodology, Waterfall Methodology
Soft Skills: Communication, Stakeholder Management, Critical Thinking
MS Office: Outlook, PowerPoint
Machine Learning: Linear Regression, Logistic Regression, Random Forest, K-Means Clustering, Predictive Analytics
Digital Analytics: Google Analytics, A/B Testing, Hypothesis Testing

WORK EXPERIENCE:

Sales Assistant

Apr 2024 – Present

[Poundland & Dealz, Southampton, UK](#)

- Compiled weekly/monthly SKU reports to identify product trends, basket behaviour, and customer preferences.
- Developed Tableau dashboards showing average basket size, top/bottom sellers, and product performance by time-of-day.
- Participated in weekly business reviews, presenting actionable insight to the store team that led to improved product visibility and upselling success.
- Supported retail decisions with data summaries that informed ranging, rotation, and discount timing.

Business Intelligence Developer (On-site Care Health Insurance)

Sep 2021 – May 2023

[Team Computers Pvt Ltd, Gurgaon, India](#)

- Owned end-to-end development of a [Claims Pendency BI](#) solution using SQL and Qlik, reducing pending claims by 52%. Collaborated with business heads to align metrics with audit goals and automated insights using Nprinting.
- 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.
- Designed and automated cross-functional [daily/MTD business reports for MD](#), integrating KPIs across departments. Enabled real-time decision-making with linked data models and UAT-approved dashboards.
- Gathered business requirements from stakeholders using Agile and Waterfall methodologies and presented KPIs and trends through dashboards, improving business insights delivery by 25%.
- Acted as a Data SME for troubleshooting and resolving reporting issues, fostering strong cross-functional relationships and trust in data accuracy.
- Transformed data using SQL, Alteryx and Qlik Sense, integrating data from various sources into data warehouses.
- 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 made them into star schema from snowflake schema, 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.
- Delivered training and ongoing support to business end-users and stakeholders through workshops and documentation to enhance the adoption of Power BI/ Qlik dashboards and improve data literacy.
- 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.

Junior Data Analyst

Aug 2020 – Aug 2021

[Nipa International, Gurgaon, India](#)

- Extracted and cleaned manufacturing data from ERP using MySQL, for trend analysis and reducing data processing time by 20%.
- 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.

MSc Mathematics Student

Sep 2023 – Sep 2024

University of Southampton, Southampton, UK

- [Predicting TFL Bike Usage Using Machine Learning:](#)**
Conducted Exploratory Data Analysis (EDA) using Python libraries and developed a predictive model, optimising bike-sharing resources and leading to an estimated 20% improvement in bike availability.
- [Geographic Sales Analytics:](#)**
Developed 20+ Power BI visualisations that identified sales trends by region and product, leading to an estimated 15% increase in retail sales.
- [NHS Staff Scheduling:](#)**Led the development and management of an SQL database for hospital staff shift allocation, designing and executing complex SQL queries to analyse staff scheduling and optimise work hours, estimating a 25% reduction in scheduling conflicts.
- [Revenue Management:](#)**
Developed pricing optimisation models for Carnival Cruise Line by analysing market trends and demand patterns, resulting in improved pricing strategies and enhanced revenue management.
- [GitHub Portfolio:](#)**
Used ChatGPT to create my portfolio on GitHub and integrated Google Tag Manager to learn about Google Analytics and CI/CD Pipeline development

EDUCATION:

University of Southampton

Sep 2023 – Sep 2024

Southampton, UK

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

Jul 2016 – Dec 2020

Southampton, UK

[Bachelor of Technology - Mechanical Engineering](#)