Vyom Khanna
Data & Analytics Developer | ETL Pipeline, Insights, KPI, Visualisation, Reporting, Presentation, Optimisation
Southampton, UK (willing to relocate) | +447733989297 | [Mail](#) | [LinkedIn](#) | [Portfolio](#) | [Projects](#)

PROFESSIONAL SUMMARY

Data and Business Intelligence professional with 4+ years of experience delivering end-to-end analytics solutions across multiple business domains. Strong expertise in building analysis-ready data models, including fact and dimension tables using star schema design, to support scalable reporting and self-service analytics. Proven ability to integrate data from diverse sources, develop reliable ETL pipelines, and transform complex datasets into actionable insights. Experienced in SQL, Python, and modern BI tools, with a strong track record of stakeholder collaboration, KPI standardisation, GDPR-compliant reporting, and delivering clear, high-impact dashboards that drive informed decision-making and operational efficiency.

TECHNICAL SKILLS

- **Languages:** SQL, Python, R, DAX
- **BI & Visualisation:** Power BI, Qlik Sense/View, Tableau, Excel, Canva
- **ETL & Workflow:** DBT, Python scripting, Qlik ETL
- **Databases/Cloud:** Snowflake, Azure, MySQL, PostgreSQL
- **ML Tools:** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Other:** Git, Google Analytics, Agile/Scrum, Trello, PowerPoint
- **AI & LLM:** ChatGPT, CoPilot
- **Soft Skills:** Stakeholder Communication, Analytical Thinking, Problem-Solving, Documentation

PROFESSIONAL EXPERIENCE

Sales Assistant (Part-Time) 🔗 — *Apr 2024 – Present*
Poundland & Dealz, Southampton, UK

- I'm currently a Part-time Sales Assistant at Poundland's one of the busiest locations in the UK where I also support store and area managers with Dashboards, Data Insights, and Reporting.
- **Designed** and **delivered** a damage/theft loss-prevention dashboard in Power BI, tracking avoidable losses across categories, time periods, and departments.
- **Partnered** with the Store Manager and Regional Manager to build operational dashboards and weekly performance reports using Power BI.

Business Intelligence Engineer & Data Analyst 🔗 — *Sep 2021 – Aug 2023*
Team Computers Pvt Ltd – Client: Care Health Insurance, India

- **Built** QlikSense and Power BI dashboards to track performance across insurance products, reducing claim resolution time by 20% and boosting retention by 15%.
- **Reduced** daily pending claims from 80K to 38K (52% gain) via automated department-wise dashboards, reporting and insights.
- **Created** a Sales Incentive Dashboard with correct metrics for payroll and performance, ensuring error-free payouts for sales staff and supporting a double-digit sales uplift within 6 months.
- **Transformed** raw transactional data into **business-ready fact tables** and conformed **dimension tables,** enabling consistent KPIs and cross-functional reporting, resulting in cutting ad hoc reporting by 25%.
- **Designed** simple visualisations (pie charts, bar charts) to simplify complex data, driving clarity and buy-in from non-technical audiences.
- **Designed** CRM dashboards to track NPS and service KPIs, enabling targeted improvements and higher satisfaction.
- **Collaborated** with clients to conduct UATs for dashboards and reports, gathering feedback, resolving issues, and ensuring deliverables met business needs under Agile and Waterfall frameworks.
- **Developed** Python predictive models to flag high-risk claims, enhancing fraud detection and underwriting precision.
- **Conducted** EDA in SQL/Python to identify customer trends, inefficiencies, and new revenue opportunities.
- **Prepared** structured datasets in Azure/Snowflake to support forecasting, segmentation, and ML use cases.
- **Migrated** 100+ internal and client reports and dashboards from Excel to Power BI/Qlik, then **automated** delivery using Python, Qlik NPrinting, and QMC, reducing manual effort by 70%.
- **Engineered** scalable ETL pipelines with SQL, and Qlik migrated from Snowflake to Star schema, cutting dashboard refresh time from 8 to 5 hours.
- **Optimised** SQL queries, DAX measures, and ETL logic, sustaining 95%+ data accuracy and improving dashboard speed.

Junior Data Analyst 🔗 — *Aug 2020 – Aug 2021*
Nipa International, India

- **Streamlined** ERP reporting by automating data extraction, cleaning, and visualisation preparation with a Python–MySQL workflow, cutting processing time by 20%.
- **Supported** the preparation of reporting datasets by structuring transactional data into **fact and dimension tables** for production and operational KPI analysis.
- **Automated** Excel and SQL reports to track production KPIs, efficiency, downtime, and defects, for faster performance monitoring.
- **Uncovered** ₹25L (£24K) in potential annual savings through material waste analysis.

PROJECTS

- **Claims Pendency Dashboard (SQL, Power BI):** Built automated reports tracking claim ageing and backlog; reduced pending claims from 80K to 38K, boosting productivity by 52%. 🔗
- **ETL Pipeline Optimisation (Qlik, SQL, DBT, Power BI):** Re-engineered Qlik and DBT pipelines by profiling fact and dimension tables, cutting ETL runtime from 8h to 5h and having 95% Data Accuracy. 🔗
- **CRM Dashboard (SQL, Power BI):** Built dashboards to track NPS, churn, and service KPIs, reducing ad hoc reporting by 25% and increasing retention by 15 - 20%. 🔗
- **B2B Compliance Reporting (Python, Excel, PDF):** Automated PHI-free claim summaries for brokers, aligned with IRDAI norms; enhanced transparency and stakeholder trust. 🔗
- **Daily Business Reports (SQL, Power BI):** Created cross-departmental dashboards (Claims, Sales, Finance, Actuarial) for MD; supported daily leadership decisions with real-time KPIs. 🔗

EDUCATION

University of Southampton, UK — *Sep 2023 – Sep 2024*
MSc Data and Decision Analytics (Merit) – School Of Mathematical Sciences
Modules: Data Analytics, Statistical Computing, Python, SQL, Snowflake, Power BI, R, Machine Learning

SRM Institute of Science and Technology, India — *Jul 2016 – Aug 2020*
BTech in Mechanical Engineering (Merit)