

Yash Bhavsar

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SUMMARY

Experienced in Microsoft SQL Server, proficient in T-SQL queries and stored procedures, and skilled in **database design** and **documentation**. Strong expertise in data quality improvement, process optimization, import scripting, and report visualization. Adept at querying **unstructured data** for research, managing large-scale data projects, and supporting researchers with data extraction, analysis, and system documentation. Proficient in Python, R, and advanced Excel, with the ability to train and enhance data systems. Strong communication skills and experience in supervising data entry, expanding data dictionaries, and ensuring **data integrity** in clinical environments.

EDUCATION

University of Illinois at Urbana-Champaign – MS in Information Management | GPA 4/4 May 2025
Mumbai University – BS in Information Technology | GPA 4/4 May 2023

SKILLS

Languages: Python(NumPy, Pandas, Matplotlib, Scipy, dash, Plotly, BeautifulSoup), SQL (SQL Server, MySQL), R
Analytics: Data Mining, Data Cleaning, Data Modeling, Data Visualization, Forecasting, Statistical Analysis, ETL
BI Tools: Power BI, Microsoft Report Builder, Tableau, MS Excel, Snowflake, VBA, Looker, Google Analytics, SAP, SSRS
Cloud Platforms: Google Cloud Platform(GCP), Amazon Web Services(AWS) – S3, Glue, Lambda

EXPERIENCE

Flanders Inc. | Business Data Analyst **May 2024 – May 2025**

- Developed and automated 8+ sales performance and revenue reports using **SQL Server**, **SSRS** and **Microsoft Report Builder**, enhancing data visualization and eliminating **30+ hours** of manual reporting efforts per week
- Optimized **T-SQL** stored procedures, reducing query execution time by 40%, enabling faster access to financial reports and **KPIs** for stakeholders, improving in revenue forecasting and budget planning
- Conducted iterative **A/B testing** using **Python** to analyse optimal pause durations for drilling machines reducing operational downtime and boosting drilling productivity by **30%**
- Processed **10+ million** rows of sensors data by creating **ETL** pipelines in **SSIS**, transforming it into **Excel** for manipulation, and developing Power BI dashboards for real-time machine performance monitoring
- Implemented **test automation** for validating **data pipelines** and report generation, ensuring data integrity and reducing manual verification efforts by 60%
- Improved asset utilization by designing over **10+ T-SQL stored procedures**, which were deployed across 13+ active mining sites in 5 countries

Business Intelligence Group(BIG) | Business Intelligence Consultant **Aug 2024 – Dec 2024**

- Streamlined client onboarding by designing **data models** for a multimodal **RAG application** that integrated data across five formats (PDF, DOCX,PPTX, CSV, XLSX), improving accessibility and efficiency
- Enhanced customer engagement by deploying an AI chatbot with **86.67% accuracy**, leveraging advanced **machine learning**(*Scikit-Learn*) and **NLP** techniques to optimize response efficiency and user experience
- Achieved a **73% annual cost reduction** by conducting a **financial analysis** using Power BI and demonstrated the financial impact of deploying an AI chatbot (\$100K/year) versus a traditional IT support team (\$366K/year)

StandardWings Technologies | Data analyst **May 2021 – Oct 2021**

- Engineered a dynamic leave management solution, integrating **Flask** and **MongoDB**, that automated leave approvals and ensuring **data integrity**, reducing managers' workload by **50%**
- Leveraged **design thinking** by creating **Power BI dashboards** using **DAX** and **power Query**, that provided managers with real-time leave tracking and actionable insights, enabling data-driven decision-making
- Utilized Excel (**VLOOKUP** and **Pivot Tables**), to analyze KPIs and provide HR with actionable workforce insights

PROJECTS

U.S. Trade & Tariff Insights | Tableau, Excel, Data Wrangling, Visualization [LINK](#)

- Analyzed global tariff asymmetries using **advanced Excel** for multi-source data aggregation and cleaning across **13 countries**, and built dual interactive Tableau dashboards with 6 KPIs—visualizing **\$350B+** in trade flows, export hotspots, and reciprocal tariff gaps

Air Quality Visualization (AQV) | Streamlit, Mapbox, API [LINK](#)

- Delivered an interactive 3D visualization using Streamlit, integrating air pollution, health, and demographic data from the IQAir API. Thus, provided insights to the users with a comprehensive understanding of spatial pollution impact across **four major cities**, over **200+ data entries** for detailed air quality layer analysis

ACHIEVEMENTS

- Secured **1st position** at the **International** hackathon '**Evathon**' organized by the University of Limerick, Ireland