Yash Patel

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SUMMARY

Business Analyst with a strong foundation in data strategy and analytics, currently pursuing a Master's in Business Analytics at the University of Louisville. Designed databases and automated SQL-driven reports that reduced reporting time by 50% and improved data efficiency by 40%. Developed dashboards in Power BI and Tableau that enhanced KPI visibility by 30% and improved decision speed across teams. Experienced in translating complex datasets into actionable insights using SQL, Python, and Excel, with a consistent track record of improving reporting pipelines, driving process improvements, and contributing to measurable business impact.

TECHNICAL SKILLS

- Data Analysis & Reporting: Power BI, Tableau, SQL, Excel (Pivot Tables, VLOOKUP, Macros, Dashboards), Google Analytics
- Programming & Scripting: Python (Pandas, NumPy, Matplotlib, Scikit-learn), R (Tidy verse, GGPLOT), VBA
- Database Management: RDBMS, MySQL, PostgreSQL, Microsoft Access, ETL, SSIS, MS SQL Server Management Studio, MongoDB
- Data Engineering: Snowflake, Apache Spark, Hadoop, Oracle ERP, AWS, Azure, Oracle ERP, Teradata, Looker
- Methodologies: Agile (Scrum) Project Management, Requirement Gathering, Business Process Improvement, RPA

EDUCATION

University of Louisville   Louisville, KY
MS in Business Analytics | GPA – 3.92   **Aug 2024 – Jul 2025**
- ***Coursework:*** *Python for Analytics, R, Statistics, Modern Data Management, Data Visualization, Predictive Analytics, Machine Learning, Storytelling with Data, Advanced Power BI, AI Agent Development*
- *Received a $14,500 merit scholarship from the College of Business*

Gujarat Technological University (GTU)   Gujarat, India
B.Tech. in Computer Engineering   **Jul 2020 – Jul 2023**
- ***Coursework:*** *Advanced DBMS, Data Structures, Big Data Analytics, Big Data Analytics, AI, Network Management*
- *Received a 50% merit scholarship from State Scholars Program*

WORK EXPERIENCE

University of Louisville   Louisville, US
Database Developer   **Apr 2025 – Present**
- Designed a database to manage 1500+ military student and alumni records, optimizing data structure and efficiency by 40%.
- Automated parameterized SQL queries and reports, enhancing data visualization and reducing manual reporting time by 50%.
- Ensured data integrity, privacy and consistency while supporting troubleshooting of performance issues across the platform.
- Enabled data-driven decision-making by building tools that supported academic planning and alumni engagement.

Techeinhub Solutions   Gujarat, India
Data Analyst   **Jul 2023 – Jul 2024**
- Developed interactive dashboards in Tableau and Power BI using SQL, DAX, and Google Analytics, increasing KPI visibility by 30%.
- Structured raw datasets from MySQL/PostgreSQL using Power Query and VBA, reducing client reporting discrepancies by 25%.
- Automated ETL workflows with SQL and Excel Macros, improving reporting turnaround by 60% for cross-functional teams.
- Integrated datasets from Snowflake and Teradata to optimize financial performance reports aligned with Oracle ERP.
- Collaborated in Agile Scrum to define requirements, leading to process improvements and a 15% boost in client satisfaction.

Infolabz IT Services   Gujarat, India
Data Analyst Intern   **Jan 2023 – Jun 2023**
- Built a business intelligence dashboard using Power BI and Excel to track KPIs, enhancing usability and decision speed by 30%.
- Conducted data cleaning using Python (Pandas, NumPy) and Excel functions to achieve 95% accuracy across reporting pipelines.
- Developed real-time visualizations from MongoDB and Microsoft Access data, reducing reporting time and enhancing insights.
- Applied exploratory data analysis (EDA) and root-cause analytics to uncover inventory trends, improving compliance by 25%.
- Aligned dashboard logic with stakeholder goals through Agile sprints, streamlining reporting efforts by 40%.

ACADEMIC PROJECTS

Business Analytical Dashboard, *Infolabz IT Services*   **Jan 2023 – Apr 2023**
- Implemented a real-time business dashboard by integrating five data sources, improving stakeholder reporting efficiency by 40%
- Enhanced user experience and data visualization logic to accelerate analytical workflows and reduce decision latency
Crypto Market Insight Engine, *Independent Project*   **Feb 2021 – Apr 2021**
- Analyzed NFT market trends and prepared a dataset of 50+ crypto assets, driving insights for user engagement and monetization.
- Applied data storytelling techniques to present growth strategies, improving community traction and platform usability.
E-Commerce Analytics System, *Ganpat University*   **Feb 2020 – May 2020**
- Designed a full-stack pharma sales analytics platform using MySQL and PHP, handling data for 10,000+ products.
- Integrated conversion funnel metrics and performance dashboards, boosting user engagement by 20%.

CERTIFICATIONS

- Business Analytics Specialization – Wharton School of Business (Certificate)   **2023**
  - ***Coursework:*** *Operations Analytics, Customer Analytics, People Analytics, Accounting Analytics*
- Python for Everybody Specialization – University of Michigan   **Present**
- Prepare Data for Exploration – Google (Certificate)   **2023**