

VIVEK SINGH

Preet Vihar Colony, Khushalpur, Moradabad - 244001

📞 9068152607 ✉ jamviveksingh001@gmail.com 💻 [jamviveksingh01](#) 🌐 [Portfolio](#)

Professional Summary

Data Science graduate with strong hands-on experience in **SQL, Excel (Advanced), Power BI, Tableau, and Python**. Skilled in collecting, cleaning, and analyzing large datasets, performing **EDA**, and building dashboards that deliver actionable business insights. Experienced in translating business questions into analytical solutions through projects and simulations, with a solid foundation in **statistics, ETL concepts, hypothesis testing, and data documentation**. Seeking to contribute to a collaborative, data-driven analytics team.

Technical Skills

Programming & Tools: SQL, Python, Excel (Advanced), Power BI, Tableau, MySQL, Git

Data Analysis: Data Cleaning, Data Transformation, EDA, Descriptive Statistics, Hypothesis Testing (Basic), KPI Analysis

Analytics Concepts: ETL Fundamentals, Data Quality Checks, Data Modeling (Basic), A/B Testing (Foundational)

Libraries: Pandas, NumPy, Matplotlib, Seaborn, scikit-learn (Foundational)

Soft Skills: Analytical Thinking, Problem Solving, Stakeholder Communication, Documentation, Collaboration

Education

Bachelor of Technology (Computer Science Engineering)

Specialization: Data Science (Industry collaboration with TCS iON)

Teerthanker Mahaveer University

Aug 2021 – Jul 2025

CGPA : 8.48/10 (80.6%)

Moradabad, UP

Professional Experience

TCS iON

Jul 2023 – Aug 2023

Data Science Intern

(Remote)

- Applied **Python-based data analysis** and preprocessing techniques to structured and unstructured datasets.
- Performed **exploratory data analysis** to identify patterns and improve model inputs.
- Implemented and evaluated a sentiment analysis model achieving **86% classification accuracy**, supporting pattern identification in textual data.
- Documented analytical steps and collaborated with mentors, demonstrating structured problem-solving and communication skills.

Personal Projects

Vendor Performance Analysis – Retail Inventory & Sales | Excel, SQL, Python, Power BI | [\[Project Link\]](#)

- Developed and optimized a **complex SQL ETL pipeline** to build an aggregated summary table from multiple tables. Improved query performance using CTEs and data filtering, significantly reducing processing time for large datasets.
- Conducted **Exploratory Data Analysis and Hypothesis Testing in Python** solving research questions to evaluate vendor profitability, pricing strategy effectiveness, and inventory turnover.
- Identified over-dependence on top 10 vendors (65.7% of purchases) and uncovered \$2.71M in unsold inventory from low-performing vendors, recommending diversification and inventory optimization.
- Built interactive **Power BI dashboards** to visualize vendor performance, profit margins, bulk purchasing impact (72% cost reduction), and actionable insights for decision-makers.

Virtual Experience & Certifications

GenAI Powered Data Analytics Job Simulation – Tata iQ (Forage)

Dec 2025

Applied GenAI-assisted **exploratory data analysis** to assess data quality and risk indicators, and proposed a **no-code predictive framework for customer delinquency risk** with ethically aligned, scalable analytics-driven collections strategy.

Data Analyst Certification – GeeksforGeeks (GFG)

Oct 2025

Completed structured training covering **SQL, Python, data analysis, statistics, and business problem-solving** with hands-on exercises.

Data Analytics & Forensic Technology Job Simulation – Deloitte Australia (Forage)

Mar 2025

Performed **data analysis using Excel** and built **Tableau dashboards** to classify datasets, identify patterns, and derive **business conclusions** in a simulated consulting environment.