

# VIVEK SINGH

Preet Vihar Colony, Khushalpur, Moradabad - 244001



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[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)**

Aug 2021 – Jul 2025

Specialization: Data Science (Industry collaboration with TCS iON)

CGPA : 8.48/10 (80.6%)

Teerthanker Mahaveer University

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.