

VIVEK SINGH

Trainee – Data & Analytics | Python, MySQL, Power BI

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Professional Summary

Aspiring data analyst currently in the final semester of B.Tech in Data Science, set to graduate within 2 months. Proficient in Python, SQL, and Power BI with practical experience through personal projects and internships. Strong understanding of data transformation, visualization, and dashboard building. Fully committed and available for full-time on-site roles immediately.

Technical Skills

Programming & Databases : Python, SQL, MySQL, R
Data Analytics Tools : MS Excel, Power BI, Tableau, AWS Quicksight
Analysis & Modeling : User Behavior Analysis, KPI Monitoring, Statistical Analysis, EDA, DAX, Data Modelling
Statistical Techniques : Hypothesis Testing, Trend Analysis, Predictive Modeling
Data Wrangling & Visualization : Pandas, NumPy, Matplotlib, Seaborn
Soft Skills : Analytical Thinking, Problem Solving, Communication, Attention to Detail, Team Collaboration

Certifications

- [Python Certification – OneRoadmap \(Apr 2025\)](#)
- [SQL Certification – OneRoadmap \(Apr 2025\)](#)
- [Data Analyst Certification – OneRoadmap \(Mar 2025\)](#)
- [Deloitte Australia - Data Analytics Job Simulation – Forage \(Mar 2025\)](#)
- [Data Analytics and Reporting – TCS iON \(Dec 2023\)](#)
- [Statistics Using R & Python – TCS iON \(Oct 2023\)](#)
- [Data Modelling and Visualization – TCS iON \(Sep 2023\)](#)
- [Python 3.4.3 Training – Spoken Tutorial Project, IIT Bombay \(May 2023\)](#)

Experience

[TCS iON – Data Science Intern \(Remote\) | Jul 2023 – Aug 2023](#)

- **Built and optimized a sentiment analysis model** using Python, achieving **82%** classification accuracy.
- Conducted data preprocessing and cleaning, **reducing noise by 15%**, improving overall model performance.
- **Collaborated with cross-functional remote mentors** to develop data-driven solutions and communicate insights.

Projects

[Hybrid Recommendation Engine – \(Content Based Filtering + NLP Based\) | Feb 2025 – Apr 2025](#)

- **Built a Flask-based web application** to serve real-time movie recommendations, and deployed it on **Render** for public access with a clean, interactive UI showcasing recommendation results dynamically.
- **Utilized sentence embeddings from pre-trained Sentence Transformers** to measure semantic similarity between movie overviews, enabling context-aware recommendations beyond basic metadata matching.
- **Integrated genre, cast, and user preferences** with plot-level semantic vectors to enhance relevance, resulting in more nuanced suggestions that reflect both narrative and structural elements of films.

[Coffee Shop Sales Analysis – Excel Dashboard Project | Jan 2025 – Feb 2025](#)

- **Designed a dynamic MS Excel dashboard** using Pivot Tables and Slicers for **real-time filtering and performance monitoring**.
- **Identified** peak sales windows, top-selling products, and high-performing categories to **optimize marketing strategies**.
- Provided actionable insights to **enhance customer experience and inventory management**.

[OLA Ride Prediction – Power BI + SQL Project | Dec 2024 – Jan 2025](#)

- **Analyzed ride datasets using SQL** to extract insights on cancellations, ride frequency, and payment trends.
- Built a Power BI dashboard **visualizing KPIs, Leveraged DAX**, enabling deeper insights into **revenue, cancellations, and customer contribution**.
- Discovered patterns to **improve user experience and reduce wait times during peak demand hours by 15%**.

Education

B.Tech – Computer Science & Engineering (Data Science)

Teerthanker Mahaveer University (In collaboration with TCS iON) | Aug 2021 – Jul 2025 | Moradabad, U.P.