Shashwat Singhal

Address: Godrej Prana, Undri, Pune, 411060

shwatgal@gmail.com 9604229651 linkedin.com/in/shsinghal github.com/shtgl

Summary

B.Tech Computer Science and Engineering graduate (CGPA 9.29/10) with hands-on experience in SQL, Excel, and Tableau through academic projects and a Data Analytics professional course. Applied these tools to analyze datasets, design dashboards, and highlight trends across domains such as healthcare, retail, and hospitality using open-source data. Open to PAN-India opportunities in data analysis, with additional skills in Python (Pandas) and machine learning for exploratory modeling.

Technologies

- SQL | Excel | Tableau | Power BI | Python (Pandas, NumPy, Matplotlib) | Jupyter Notebook
- Git | GitHub | API | Web scraping | Telemetry for structured logging
- TensorFlow | LangChain | AutoGen | OpenAI API | Vertex AI | Microsoft Azure services

Education

MIT World Peace University, Pune Aug 2021 – Aug 2025
BTech, Computer Science and Engineering ***CGPA***: 9 29 / 10

Experience

DisruptiveNext, Pune
Generative AI Research Intern • Dec 2024 – Jun 2025

- Designed and implemented data collection pipelines by scraping web sources and integrating APIs; stored results in structured formats for analysis.
- Conducted data exploration and insight extraction on conversation logs and domain datasets; applied statistical summaries and visualization techniques to highlight patterns and anomalies.
- Used logging and telemetry to track performance metrics (response accuracy, latency, error rates), enabling systematic performance analysis and reporting.
- Collaborated with team to transform raw datasets into dashboards and reports, helping stakeholders interpret trends and make data-driven decisions.

Projects Accomplished

Brain Tumor Classification • Nov 2024

- Analyzed MRI image dataset (5,256 scans) across three categories (Glioma, Meningioma, No-Tumor).
- Generated classification reports (precision, recall, F1-score, support) and visualized training/validation accuracy and loss curves to assess reliability.
- Documented findings on data balance and model performance, highlighting opportunities for improved data quality and future collection strategies.

Threat Object Classification • May 2024

- Evaluated object classification dataset to determine model accuracy and robustness in detecting threat vs. no-threat items.
- Produced accuracy and loss trend graphs to monitor reliability and performance over training cycles.
- Reported insights to guide further dataset expansion and testing under varied conditions.

Plant Disease Classification • Dec 2023

- Conducted analysis on healthy vs. unhealthy leaf datasets to identify plant disease indicators.
- Implemented data augmentation experiments and tracked accuracy/loss curves to measure impact on validation results.
- Summarized error patterns and recommended adjustments to improve dataset representativeness.

Certifications

Data Analytics Professional (Coursera) • Jun 2025
TensorFlow Developer Professional (Coursera) • Aug 2023
MySQL Basics (Great Learning) • Mar 2023
Programming Fundamentals (Coursera) • Oct 2022