Shashwat Singhal

shwatgal@gmail.com · +91-9604229651 · in.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.

Technology

- 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

Education

MIT World Peace University, Pune — Aug 2021 – Aug 2025
B.Tech, Computer Science and Engineering — **CGPA**: 9.29/10

Experience

Generative AI Research Intern, DisruptiveNext, Pune — 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.
- Used logging and telemetry to track performance metrics (response accuracy, latency, error rates), and reporting.
- Collaborated with team to transform raw datasets into dashboards and reports, helping stakeholders interpret trends and make data-driven decisions.

Projects Accomplished

Household Finance App · Sep 2025

- Added email OTP verification with option for secure password reset.
- Designed expense dashboard with PostgreSQL integration for category and year views.
- Structured modular routing architecture ensuring coherent context management across dashboard modules.

Smart Rag WebScraper · Aug 2025

- Automated web scraping system using Selenium with intelligent Google search integration.
- Machine learning-based content ranking using semantic embeddings and similarity algorithms.
- AI response engine with local LLM integration and automated source attribution.

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.

Certifications

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