



Swastik Gavhane

Data Science & ML Engineer — Data Analyst

✉ gavhaneswastik512@gmail.com

☎ +91-8698532856 in [LinkedIn](#) 🐙 [GitHub](#)

Summary

Aspiring Data Analyst and ML Engineer with strong foundational knowledge in statistical analysis, machine learning, and data visualization. Proficient in Python, SQL, Power BI, and Tableau. Developed multiple academic projects simulating real-world use cases including dashboard design, NLP models, and LLM-based applications. Adept at turning data into actionable insights with attention to data quality and analytics governance.

Technical Skills

Data Analysis: Python (Pandas, NumPy), SQL, Excel, Tableau, Power BI
ML & AI: Scikit-learn, TensorFlow, PyTorch, Keras, Hugging Face, NLP, Transfer Learning
Visualization: Matplotlib, Seaborn, KPI Dashboards, Data Storytelling
Deployment: Flask, FastAPI, Streamlit
Tools: Git, VS Code, Jupyter, Kaggle
Cloud/Big Data: Basics of Azure, GCP, Kafka, HBase, Hadoop (explored academically)

Projects

Financial Analytics Dashboard (Academic Project)

Power BI, SQL, Python, Excel

- Designed an interactive dashboard to visualize KPIs and monthly financial trends using a simulated dataset.
- Applied SQL and Python for data preprocessing and exploratory analysis.
- Built Power BI dashboards showing customer churn, revenue patterns, and product sales.
- Focused on data accuracy, reporting clarity, and insights for non-technical audiences.

Agritech Suite – AI Driven Solution

TensorFlow, CNN, Flask, HTML, CSS, JS

- Developed ML models for plant disease detection and crop recommendations.
- Created Flask-based REST APIs and integrated OpenWeatherMap for real-time weather data.
- Designed a user-friendly dashboard for farmers to improve decision-making.
- Achieved 95% accuracy on the PlantVillage dataset.

GPT-2 Text Generation with KerasNLP

Scikit-learn, CNN, KerasNLP

- Fine-tuned GPT-2 for customized text generation using KerasNLP.
- Applied prompt engineering and token optimization for meaningful outputs.

Real-Time Driver Drowsiness Detection System

TensorFlow, CNN

- Created ML system to detect fatigue through real-time webcam feeds.
- Improved performance through feature selection and augmentation.

Education

B.Tech in Computer Science (Data Science Specialization)

D.Y. Patil College, Kolhapur — CGPA: 8.6/10

2021 – 2025

Relevant Coursework: Machine Learning, Probability & Statistics, Data Mining, Text Analytics, DBMS, Time Series

Certifications

- AI-Machine Learning Engineer (A-Grade) – PMKVY (NCVET-NASSCOM) Aug 2024
- Data Analytics with Python – IIT Roorkee (NPTEL) Apr 2025
- Python for Data Science – IIT Madras (NPTEL) Aug 2023
- Big Data Computing – IIT Kanpur (NPTEL) Oct 2024

Leadership

Association Coordinator, DS Department	2023 – Present
• Conducted 5+ technical workshops including Power BI and AI tools.	
Volunteer, NSS	2021 – Present
• Participated in 25+ community outreach and awareness campaigns.	