

GAURAV PATIL

MACHINE LEARNING | DATA SCIENCE | PYTHON DEVELOPER

+91 9420714180

✉ gppatil.work@gmail.com

in [Linkedin](#)

🐙 [Github](#)

👤 [Portfolio](#)

Machine Learning and Data Science enthusiast skilled in building end-to-end ML applications using Python, Scikit-learn, and PowerBI. Experienced in data preprocessing, feature engineering, model development, and interactive deployment. Passionate about applying analytics to drive data-based decisions and improve business outcomes.

TECHNICAL SKILLS

- Languages: Python, SQL
- Machine Learning: Pandas, NumPy, Scikit-learn, XGBoost, CatBoost, DecisionTree, GradientBoosting
- Data Visualization: Power BI, Matplotlib, Seaborn
- Web & Deployment: Flask, Streamlit, Docker
- Tools: Git, GitHub

PROJECTS

STUDENT PERFORMANCE PREDICTION SYSTEM | PYTHON, FLASK

- Built an end-to-end machine learning system to predict student exam performance using demographic and academic features.
- Compared the performance of 8 regression algorithms, Linear Regression achieved $R^2=0.89$, outperforming others by 12%.
- Developed a modular ML pipeline with data preprocessing, model training, prediction, logging, exception handling, and Flask deployment.

SPORTS MARKET SALES ANALYSIS | POWER BI, DAX

- Analyzed sales data of 17,000+ customers to identify revenue, profit, and customer purchasing trends.
- Developed an interactive Power BI dashboard tracking ₹24.9M revenue, ₹10M profit, and weekly sales performance..
- Generated business insights through category-wise sales analysis and KPI visualization.

IRIS FLOWER CLASSIFICATION | PYTHON, STREAMLIT

- Developed a Streamlit web application to classify Iris flower species using sepal and petal measurements.
- Built a machine learning model for real-time flower species prediction through an interactive interface.
- Implemented data preprocessing and model inference using Python and Scikit-learn.

EDUCATION

B.E. Information Technology

PES Modern College of Engineering, Pune

Savitribai Phule Pune University

2022 – 2026 | Overall CGPA: 8.1/10

CERTIFICATIONS

- Introduction to Data Science – Cisco
- Microsoft Power BI Desktop for Business Intelligence – Udemy
- SQL for Data Analytics – Udemy
- Power BI Workshop – Microsoft Learn