Dev S Panchal

Ahmedabad, Gujarat, India   DevPanchal2005   devpanchal2005

devpanchal2005.github.io   +91 7874393540   devspanchal.connect@gmail.com

Summary

Machine Learning Engineer passionate about building intelligent systems that bridge data and decision-making, with a focus on creating solutions that not only optimize performance but also deliver meaningful impact in the real world. Seeking an internship at a startup or innovative company where I can apply data science and machine learning to solve real business problems and support decision-making.

Experience

Trainee - AI Developer   *Nov 2025 – Present*
Relig Global - Hybrid   *Ahmedabad,Gujarat,India*

Education

LJ University   *July 2023 – Present*
B.Eng in Artificial Intelligence and Data Science

Projects

PredictGrad – Academic Risk Detection with ML   *Jun 2025*
thepredictgrad.streamlit.app

- Developed end-to-end regression and classification workflows using ensemble methods (Ridge, CatBoost, ExtraTrees, BalancedBagging with Voting/Stacking) to predict scores and identify students at academic risk.
- Built an interpretable risk analysis dashboard powered by SHAP insights; Attained MAE between 5.16–7.10 and an F1-score of 0.51.

Attendance for Impact – Learning Impact & Bias Detection Tool   *Feb 2025*
attendance-for-impact.streamlit.app

- Designed an analytical tool that links subject-wise attendance with theory and practical performance, uncovering hidden academic patterns.
- Delivered statistical insights (skewness, IQR, standard deviation, mean-median analysis) and dashboards to provide actionable recommendations for institutions.

GaiaSentinel – Detects & Categorize Waste   *Mar 2025*
gaiasentinel.streamlit.app

- Built a vision-based system leveraging machine learning to automatically classify waste into predefined categories, supporting recycling and sustainability efforts.
- Delivered real-time image analysis with detailed classification reports, performance metrics, and visual insights to monitor waste patterns over time.

Certifications

Certificate Collection: panchaldev-certificates.notion.site
DeepLearning.AI: AI For Everyone
IBM: Exploratory Data Analysis for Machine Learning, Introduction to HTML, CSS, & JavaScript
Cognitiveclass.AI: SQL and Relational Databases 101

Technologies

Python, Scikit-learn, TensorFlow, Keras, PyTorch, Pandas, NumPy, Streamlit, Flask, Django, SciPy, Seaborn, PostgreSQL, MySQL, MongoDB, SQLite, Java, Express.js, React, Node.js

Skills

Supervised Machine Learning, Deep Learning, Neural Networks, SQL, NoSQL, Data Analysis, Statistical Analysis, Git