VARUN B

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■ Portfolio: https://varun539.github.io/portfolio/ | GitHub: https://github.com/varun539 | LinkedIn: https://www.linkedin.com/in/varun-b-647b1730a/

DATA SCIENTIST / MACHINE LEARNING ENGINEER (ENTRY-LEVEL)

Data Science undergraduate with strong hands-on experience building production-grade machine learning systems. Experienced across the full ML lifecycle including feature engineering, model training, evaluation, explainability, experiment tracking, and deployment. Actively seeking remote Data Science or ML Engineer roles with global teams.

TECHNICAL SKILLS

Programming & Data: Python, SQL, Pandas, NumPy, Data Cleaning, Data Wrangling
Machine Learning: Regression, Classification, Time-Series Modeling, Feature Engineering, Cross-Validation, Model Evaluation, Bias Detection
Models: Random Forest, Gradient Boosting, XGBoost, LightGBM, CatBoost
Explainable AI (XAI): SHAP, Feature Importance, Model Interpretability, Business-Safe Insights
MLOps & Deployment: Streamlit, Model Versioning, Experiment Tracking, Batch Prediction Pipelines,
AI / GenAI (Conceptual): Prompt Engineering, AI-Assisted Development, NLP (TF-IDF, Embeddings),
Tools: Git, GitHub, Jupyter, Kaggle, MySQL

PROJECTS

DataPilot AI — Production AutoML Platform:
Built a production-ready AutoML web application enabling dataset upload, automated model training, evaluation, explainability, and deployment. Implemented leakage detection, SHAP explainability, confidence estimation, experiment tracking, model registry, batch prediction pipelines, and PDF model reports. Deployed on Streamlit Cloud.

Live: https://varun-datapilot-ai.streamlit.app/   Github: https://github.com/varun539/datapilot-ai

Walmart Weekly Sales Forecasting:
Developed a regression-based sales forecasting system using historical retail and economic indicators. Performed date-based feature engineering, trained ensemble models (LightGBM, XGBoost), and surfaced business-aware insights without implying causation. Deployed on streamlit cloud.

Live: https://walmart-sales-prediction-varun.streamlit.app/ Github: https://github.com/varun539/Walmart-sales-prediction

EDUCATION
Lovely Professional University, Punjab   B.Tech — Computer Science & Engineering (Data Science)
2024 – Present