

Shrey Singh

+91 74066 31225 | gshrey@gmail.com | [linkedin.com/in/gshrey](https://www.linkedin.com/in/gshrey) | github.com/gshrey
Bengaluru, India

Summary

Machine Learning Engineer specializing in time series forecasting, regression modeling, and scalable ML pipelines using XGBoost and feature engineering for data-driven business decision systems.

Experience

- **NetApp** *Jun 2025 – Present*
Bengaluru, India
Machine Learning Intern
 - Built time series forecasting system predicting over \$1B revenue using 1.5M+ records for business planning and forecasting.
 - Developed commission forecasting model for 4900+ users achieving 6–10% MAPE using XGBoost, LightGBM.
 - Designed scalable ML pipelines for preprocessing, training, validation, and batch inference workflows.
 - Delivered model outputs to sales and finance teams enabling data-driven forecasting and strategic decisions.

Projects

- **Revenue Hyperscalers Forecasting System** *Jun 2025 - Dec 2025*
Tools: Python Pandas NumPy
 - Built forecasting pipeline predicting over \$1B revenue using 1.5M+ records for business planning and strategy.
 - Performed data cleaning, preprocessing, transformation, and normalization for structured ML datasets.
 - Engineered segmentation features, aggregation logic, and revenue grouping for improved forecasting accuracy.
 - Applied interpolation, anomaly detection, and smoothing for handling missing and irregular time series data.
 - Generated optimized datasets and pipelines for scalable training, validation, and performance tuning.
- **Sales Commission Forecasting System** *Jan 2026 - Present*
Tools: Python XGBoost LightGBM
 - Developed regression models using XGBoost, LightGBM for commission forecasting on large user datasets.
 - Engineered 60+ features including lag trends, seasonality signals, and rolling statistics for accuracy.
 - Trained ensemble models with hyperparameter tuning for improved generalization and reduced error.
 - Evaluated models using MAPE, RMSE, and error metrics for performance benchmarking.
 - Automated reporting pipelines for monitoring model outputs, performance trends, and insights.
- **High-Performance API Gateway** *2026*
Tools: Go Redis Docker
 - Built a production-grade API Gateway in Go acting as a reverse proxy to route client requests to backend systems.
 - Implemented round-robin load balancing to distribute traffic efficiently across servers and improve system performance.
 - Designed and integrated Redis-based rate limiting (token bucket) to control traffic and prevent abuse under high loads.
 - Developed modular middleware architecture including JWT authentication, request logging, and latency tracking.

Education

- **Manipal Institute of Technology** *Oct 2022 – Present*
Manipal, India
B.Tech in Computer Science and Engineering AIML
 - CGPA: 8.22

Skills

- **Languages:** Python, C++, Java, SQL, Go, JavaScript
- **ML and AI:** PyTorch, TensorFlow, Scikit-learn, XGBoost, LightGBM, Pandas, NumPy, OpenCV
- **Data:** Pandas, NumPy, OpenCV
- **Tools:** Docker, Git, Linux, Bash, CI/CD, AWS (Basics), Abacus.AI, DataRobot

Coding Profiles

- LeetCode 1756, Top 15 percent.
- Codeforces 1017.
- HackerRank 5 star in C, C++, Python.

Course Work

Data Structures, Machine Learning, Operating Systems, Database Management Systems, Artificial Intelligence, Deep Learning, Computer Vision.