

Divyanshi Sharma

Greater Noida | divyanshi122023@gmail.com | +91-8368358289 | [GitHub](#) | [LinkedIn](#)

Technical Skills

Languages: Python, C++, Java, SQL

Libraries/Tools: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, MySQL, Excel

Domains: Machine Learning, Time Series, Data Analysis, Visualization

Projects

StockVision-AI: Stock Price Prediction and Portfolio Optimization

[GitHub Repo](#)

Built BiLSTM, GRU, LSTM, Transformer, and Informer models to forecast stock prices. Engineered technical indicators (RSI, MACD, Bollinger Bands) and used Monte Carlo simulations for portfolio optimization based on Sharpe Ratio. Generated dynamic buy/sell signals to guide retail investment strategies.

Time Series Forecasting for Stock Prices

[GitHub Repo](#)

Implemented ARIMA, LSTM, and Prophet models for predicting stock trends. Applied feature engineering and preprocessing (missing value handling, normalization). Compared models using MSE and R^2 to choose the best-performing forecast model.

Spotify Stream Prediction

[GitHub Repo](#)

Predicted song stream counts based on song metadata using Ridge Regression and hyperparameter tuning. Cleaned and transformed features, used cross-validation, and improved model generalization performance significantly.

Social Media Data Analytics

[GitHub Repo](#)

Analyzed user engagement metrics from social media platforms. Used visualizations (heatmaps, time series plots) to identify retention trends and proposed actionable strategies for user growth.

Daily DSA Practice Repository

[GitHub Repo](#)

Maintained a personal GitHub repo of solutions to LeetCode and contest problems. Focused on Trees, Graphs, and Dynamic Programming to strengthen coding interview skills.

Education

B.Tech in Data Science, Bennett University, Greater Noida

2022 – 2026 (*Expected*)

Certifications

Deep Learning Specialization (DeepLearning.AI), Algorithmic Toolbox (Coursera), Exploratory Data Analysis (IBM), Regression & Classification (Coursera), Network Communication (Coursera)

Achievements & Leadership

- Winner – Unicef Chabi Yan2 Ideathon for innovation in problem-solving
- Research Paper (Under Review): “Enhancing Face Detection in Low-Light Conditions”
- Team Lead – Real-time cloud + ML collaboration project
- Content Head – PDT Club (organized tech events and sessions)

Hobbies and Languages

Languages: English, Hindi (Native)

Hobbies: Dance (multiple styles), Music, Journaling Videos, Storytelling, Social Interaction