

Vedant Dindore

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Education

Savitribai Phule Pune University

June 2021 - June 2025

- BTech in Electronics and Computer Engineering, CGPA: 8.0
- Relevant Coursework: Probability & Statistics, Machine Learning, Database Management Systems

Technical Skills

Data Analysis Python(Pandas, NumPy, Matplotlib, Seaborn), SQL, Excel

Visualization: Power BI, Plotly

Machine Learning: Scikit-learn, XGBoost, TensorFlow, Statistical Modeling

Tools & Databases: PostgreSQL, MySQL, MongoDB DuckDB, Git, Jupyter Notebook

Experience

Machine Learning Intern, Gradient Labs – Mumbai, Ind (Remote)

Feb 2025 - May 2025

- Built and trained **CNN, LSTM, and regression models** using **TensorFlow and Scikit-learn** on 70-80GB datasets for fraudulent trade detection and e-commerce forecasting, achieving **83% prediction accuracy**.
- Optimized data preprocessing pipeline and model training processes, reducing training time by **12.8%** through hyperparameter tuning and efficient data handling across multiple deep learning architectures.
- Executed exploratory data analysis and feature engineering on large-scale datasets (**70-80GB**), building machine learning models for **fraud detection, sales prediction, and time-series forecasting** applications.

Data Analyst Intern, Mehta Financial Corp – Pune, Ind (Remote)

Sep 2024 - Jan 2025

- Analyzed **500K+ daily stock and options records** using Python and SQL to identify market trends and pricing anomalies; built predictive models (Random Forest, XGBoost) achieving 78% accuracy for trend prediction.
- Automated **ETL pipeline** processing 50K+ daily EOD records leveraging Python and PostgreSQL, reducing manual analysis time by 57% and enabling real-time decision-making for trading teams.
- Conducted **exploratory data analysis** on options data and visualizing price-volume and other correlations.

Projects

Stock ML Platform | Python, ML, PostgreSQL |

Github

- Implemented end-to-end ML pipeline for stock prediction with walk-forward backtesting, achieving **62.3% accuracy** (vs 33% baseline) and **1.52 Sharpe ratio** using PostgreSQL, MLflow, and automated model versioning.
- Created **FastAPI**-based real-time prediction service with **React** dashboard, Docker containerization, and **CI/CD** pipelines for scalable deployment and monitoring.
- Delivered platform outperforming **Nifty 50** by **+4.7% annually** using live NSE data and MLOps.

CKD Detection & Clinical Support | Python, Scikit-learn, Healthcare ML |

Github

- Developed CKD detection system with nephrologist achieving **92.7% accuracy, 94.2% recall** using **RF, SVM, XGBoost** on 400+ patient records.
- Performed comparative analysis of **5 ML algorithms** with K-fold validation on 400+ records, implementing dynamic model selection framework.
- Designed clinical guidance providing treatment recommendations, **reducing** manual assessment **time** by **65%**.

Achievements

Winner, Options Algorithm Competition (MRV Capital, 2023) - Developed end-to-end quantitative trading algorithm with real-time data processing capabilities.