Stock Price Prediction Report

# Stock Information

|  |  |
| --- | --- |
| Current Price | ₹1456.40 |
| Price Change | ₹2.20 (0.15%) |

# Technical Analysis

• Moving Averages

# Price Predictions by Algorithm Type

## Machine Learning Algorithms

|  |  |
| --- | --- |
| Model | Predicted Price |
| KNN | ₹1413.36 |
| LightGBM | ₹1419.11 |
| LinearRegression | ₹1471.59 |
| RandomForest | ₹1420.18 |
| SVM | ₹1416.94 |
| XGBoost | ₹1413.29 |

## Ensemble Algorithms

|  |  |
| --- | --- |
| Model | Predicted Price |
| **Ensemble** | **₹1423.55** |
| LSTM\_XGBoost | ₹1409.92 |
| Voting | ₹1427.07 |

## Other Algorithms

|  |  |
| --- | --- |
| Model | Predicted Price |
| lstm\_xgboost\_ensemble | ₹1409.92 |
| voting\_ensemble | ₹1427.07 |

# Market Sentiment

Overall Sentiment: Neutral

# Economic Factors

|  |  |
| --- | --- |
| Factor | Impact |
| flat | {'GDP Growth Rate': 1.08, 'Inflation Rate': 0.49000000000000005, 'Interest Rates': 0.8999999999999999, 'Rupee Exchange Rate': 10.020000000000001, 'Crude Oil Prices': 7.800000000000001, 'Fiscal Deficit': 0.0, 'Market Liquidity': 0.0, 'FPI Flows': 0.0} |
| detailed | {'GDP Growth Rate': {'value': 7.2, 'weight': 0.15, 'raw\_impact': 1.08, 'adjusted\_impact': 1.08, 'value\_for\_prediction': 1.08}, 'Inflation Rate': {'value': 4.9, 'weight': 0.1, 'raw\_impact': 0.49000000000000005, 'adjusted\_impact': 0.49000000000000005, 'value\_for\_prediction': 0.49000000000000005}, 'Interest Rates': {'value': 6.0, 'weight': 0.15, 'raw\_impact': 0.8999999999999999, 'adjusted\_impact': 0.8999999999999999, 'value\_for\_prediction': 0.8999999999999999}, 'Rupee Exchange Rate': {'value': 83.5, 'weight': 0.15, 'raw\_impact': 12.525, 'adjusted\_impact': 10.020000000000001, 'value\_for\_prediction': 10.020000000000001}, 'Crude Oil Prices': {'value': 78.0, 'weight': 0.1, 'raw\_impact': 7.800000000000001, 'adjusted\_impact': 7.800000000000001, 'value\_for\_prediction': 7.800000000000001}, 'Fiscal Deficit': {'value': 0.0, 'weight': 0.1, 'raw\_impact': 0.0, 'adjusted\_impact': 0.0, 'value\_for\_prediction': 0.0}, 'Market Liquidity': {'value': 0.0, 'weight': 0.15, 'raw\_impact': 0.0, 'adjusted\_impact': 0.0, 'value\_for\_prediction': 0.0}, 'FPI Flows': {'value': 0.0, 'weight': 0.1, 'raw\_impact': 0.0, 'adjusted\_impact': 0.0, 'value\_for\_prediction': 0.0}} |
| india\_specific | True |
| sector\_score | 10 |
| economic\_health\_index | 100 |
| economic\_condition | Very Favorable |

# Disclaimer

This report is generated for informational purposes only and should not be considered as financial advice.