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 | ₹1414.02 |
| LightGBM | ₹1414.68 |
| LinearRegression | ₹1455.09 |
| RandomForest | ₹1414.88 |
| SVM | ₹1412.38 |
| XGBoost | ₹1410.70 |

## Ensemble Algorithms

|  |  |
| --- | --- |
| Model | Predicted Price |
| **Ensemble** | **₹1419.86** |
| LSTM\_XGBoost | ₹1427.51 |
| Voting | ₹1421.41 |

## Other Algorithms

|  |  |
| --- | --- |
| Model | Predicted Price |
| lstm\_xgboost\_ensemble | ₹1427.51 |
| voting\_ensemble | ₹1421.41 |

# Market Sentiment

Overall Sentiment: Neutral

# Economic Factors

|  |  |
| --- | --- |
| Factor | Impact |
| flat | {'GDP Growth Rate': 0.945, 'Inflation Rate': 0.51, 'Interest Rates': 0.975, 'Rupee Exchange Rate': 9.984000000000002, 'Crude Oil Prices': 7.58, 'Fiscal Deficit': 0.0, 'Market Liquidity': 0.0, 'FPI Flows': 0.0} |
| detailed | {'GDP Growth Rate': {'value': 6.3, 'weight': 0.15, 'raw\_impact': 0.945, 'adjusted\_impact': 0.945, 'value\_for\_prediction': 0.945}, 'Inflation Rate': {'value': 5.1, 'weight': 0.1, 'raw\_impact': 0.51, 'adjusted\_impact': 0.51, 'value\_for\_prediction': 0.51}, 'Interest Rates': {'value': 6.5, 'weight': 0.15, 'raw\_impact': 0.975, 'adjusted\_impact': 0.975, 'value\_for\_prediction': 0.975}, 'Rupee Exchange Rate': {'value': 83.2, 'weight': 0.15, 'raw\_impact': 12.48, 'adjusted\_impact': 9.984000000000002, 'value\_for\_prediction': 9.984000000000002}, 'Crude Oil Prices': {'value': 75.8, 'weight': 0.1, 'raw\_impact': 7.58, 'adjusted\_impact': 7.58, 'value\_for\_prediction': 7.58}, '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.