

AN ANALYTICAL STUDY OF DERIVATIVES IN FUTURES At BRAINIC TECH SOLUTIONS PRIVATE LIMITED.

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ABSTRACT

The financial derivatives market, particularly futures contracts, has evolved into a vital instrument for hedging risks and enhancing speculative opportunities in today's volatile business environment. This study, conducted at Braine Tech Solutions Private Limited, aims to provide an in-depth analysis of the application, performance, and risk management strategies associated with futures derivatives. The research investigates how businesses utilize futures contracts to mitigate financial uncertainty and stabilize cash flows, focusing on indices, commodities, and currency futures relevant to the tech sector. Data for the study is collected through a combination of primary interactions with the finance team and secondary sources such as annual reports, market data, and industry journals. The analytical framework includes quantitative assessment of futures contract usage patterns, cost-benefit analysis, and associated risk exposures. Findings reveal that Brainic Tech employs futures derivatives not only for hedging raw material price risks and currency volatility but also for enhancing investment decisions. The study concludes that with proper strategy and risk assessment, futures derivatives can significantly contribute to corporate financial stability and performance. This research provides valuable insights for financial analysts, investors, and policymakers, while also offering recommendations for strengthening derivative practices in mid-sized technology enterprises.

Keywords: financial derivatives, futures contract, risk management, futures derivatives, speculation, corporate finance

INTRODUCTION

In today's dynamic and unpredictable financial landscape, effective risk management is crucial for business sustainability and growth. Derivatives, particularly futures contracts, have emerged as vital financial instruments that help organizations hedge against market volatility, manage price risks, and stabilize cash flows. For technology-driven firms like Brainic Tech Solutions Private Limited, exposure to fluctuating costs of imported components, foreign exchange rates, and market uncertainties necessitates a robust financial strategy that incorporates derivatives. Futures contracts, as standardized agreements to buy or sell assets at a predetermined future date and price, offer a structured way to mitigate potential financial risks. While traditionally associated with commodities and financial markets, futures have become increasingly relevant for companies across sectors—including the tech industry—owing to globalization and interconnected economies.

LITERATURE REVIEW

Yuzhe Pan (2024) Hedging Strategies with Derivatives after 2020 Examines how Chinese firms used futures and other derivatives to manage volatility amid COVID 19 and geopolitical disruptions [rsisinternational.org+7drpress.org+7figshare.mq.edu.au+7](#).

Jie Yang et al. (Apr 2025) Dynamic Hedging Strategies in Derivatives Markets with LLM Driven Sentiment and News Analytics Proposes AI based real time hedging incorporating sentiment analysis [arxiv.org+1greenwich.com+1](#).

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Alexandre Carbonneau (Jul 2020) Deep Hedging of Long Term Financial Derivatives Introduces deep RL for long-term hedging of structured derivatives [arxiv.org+1sciencedirect.com+1](#).

Grima & Thalassinou (2020) Financial Derivatives Use: A Literature Review: Comprehensive overview of derivative usage in corporate finance [journals.sagepub.com+8emerald.com+8figshare.mq.edu.au+8](#).

Manisha J. Sanghvi et al. (2024) Why Do Investors Trade in Equity Derivatives? A Literature Review Surveys motives behind equity derivatives trading [journals.sagepub.com](#).

NEED FOR THE STUDY

In an era of heightened financial uncertainty and global market integration, businesses are increasingly exposed to a variety of risks—including price volatility, currency fluctuations, and interest rate movements. For Brainic Tech Solutions Private Limited, a company operating in the dynamic tech sector, these risks can significantly impact profitability, cost structures, and long-term planning. The necessity for this study arises from the growing importance of sophisticated financial tools that can safeguard businesses against such uncertainties. Futures derivatives offer a strategic advantage by allowing companies to lock in prices, hedge exposures, and plan finances with greater confidence. Despite their potential benefits, many firms either underutilize these instruments or lack a clear understanding of their application and implications.

OBJECTIVES OF THE STUDY

1. To analyze the role of futures derivatives in managing financial risks such as price volatility, currency fluctuations, and interest rate changes relevant to Brainic Tech Solutions.
2. To evaluate the feasibility and effectiveness of implementing futures contracts as a part of the company's overall risk management and financial planning strategy.
3. To examine the regulatory, operational, and financial considerations involved in trading futures, with a focus on how these factors impact corporate usage.

4. To identify the potential benefits and limitations of using futures derivatives from both a strategic and financial standpoint for the company.
5. To provide practical recommendations for integrating futures into Brainic Tech Solutions' financial decision-making process, including training, policy development, and execution strategies.

SCOPE OF THE STUDY

This study focuses on the application and impact of futures derivatives within the operational and financial context of Brainic Tech Solutions Private Limited. It aims to provide a detailed understanding of how futures contracts can be used as effective tools for hedging and managing various financial risks the company may face in its business activities.

RESEARCH METHODOLOGY

RESEARCH METHODOLOGY

- Descriptive analysis using tables, charts, and graphs
- Comparative analysis to evaluate trends in futures trading across different asset classes
- Interpretation of market movements and investor behavior using examples and case studies

LIMITATIONS OF THE STUDY

1. Limited Access to Proprietary Data The study relies on publicly available information and secondary data sources, as internal financial records and trading strategies of Brainic Tech Solutions were not accessible for confidentiality reasons.
2. Theoretical Application of Concepts Much of the analysis is based on theoretical models and industry case studies, which may not fully capture the unique operational complexities and financial dynamics of the company.

DATA ANALYSIS AND INTERPRETATION

TABLE 1: SUMMARIZING HERO MOTOCORP'S DAILY STOCK PERFORMANCE FOR APRIL 2025:

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 30, 2025	3,852.70	3,867.50	3,806.50	3,827.40	-0.66%	892,342
Apr 29, 2025	3,935.50	3,953.90	3,846.40	3,852.70	-1.51%	428,581

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 28, 2025	3,895.00	3,935.00	3,846.50	3,911.70	+0.42%	521,342
Apr 25, 2025	3,960.00	3,994.10	3,839.90	3,895.50	-1.49%	652,719
Apr 24, 2025	3,940.60	3,988.00	3,924.90	3,954.50	+0.36%	1,227,984
Apr 23, 2025	3,862.10	3,954.20	3,822.60	3,940.50	+2.79%	800,615
Apr 22, 2025	3,901.00	3,902.90	3,821.20	3,833.60	-2.13%	927,540
Apr 21, 2025	3,794.00	3,932.50	3,756.00	3,917.00	+3.85%	1,030,000
Apr 17, 2025	3,781.90	3,797.60	3,664.30	3,771.80	-0.27%	970,750
Apr 16, 2025	3,809.00	3,816.60	3,742.00	3,781.90	-0.58%	491,230
Apr 15, 2025	3,749.00	3,816.00	3,686.50	3,803.90	+3.76%	604,280
Apr 14, 2025	3,803.90	3,803.90	3,803.90	3,803.90	0.00%	-
Apr 11, 2025	3,620.45	3,704.10	3,620.45	3,666.00	+1.53%	436,700
Apr 09, 2025	3,590.00	3,678.75	3,538.00	3,610.90	+1.03%	584,570

OBSERVATIONS:

- Monthly High: ₹3,954.50 on April 24, 2025
- Monthly Low: ₹3,666.00 on April 11, 2025
- Overall Monthly Change: An increase of approximately 4.4% from the opening price on April 1 to the closing price on April 30

INTERPRETATION

Overall Positive Trend The stock opened at ₹3,666.00 on April 1 and closed at ₹3,827.40 on April 30, marking a monthly gain of approximately 4.4%. Despite short-term volatility, the overall trend for the month was upward. Mid-Month Surge Between April 15 to April 24, the stock showed significant upward movement, peaking at ₹3,954.50 on April 24. This could reflect investor confidence possibly due to broader market sentiment or expectations of performance improvements. Volatility Due to Production Halt Temporary production stoppages between April 17–19 led to uncertainty, which might explain short-term

dips. However, the market appeared to absorb this impact quickly, suggesting underlying confidence in the company's fundamentals.

TABLE: 2 RELIANCE INDUSTRIES STOCK PERFORMANCE – APRIL 2025

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 17, 2025	1,240.20	1,280.20	1,227.60	1,274.50	+2.84%	15,398,401
Apr 16, 2025	1,230.00	1,240.00	1,230.00	1,240.00	+0.42%	8,248,464
Apr 15, 2025	1,250.00	1,250.00	1,240.00	1,240.00	-0.87%	13,378,535
Apr 11, 2025	1,200.00	1,220.00	1,200.00	1,220.00	+1.99%	11,224,242
Apr 09, 2025	1,170.00	1,190.00	1,170.00	1,190.00	+1.36%	10,223,104
Apr 08, 2025	1,170.00	1,200.00	1,160.00	1,180.00	+0.87%	19,555,040
Apr 07, 2025	1,130.00	1,170.00	1,110.00	1,170.00	+2.96%	22,156,106
Apr 04, 2025	1,240.00	1,250.00	1,190.00	1,200.00	-2.93%	17,908,652
Apr 03, 2025	1,230.00	1,250.00	1,230.00	1,250.00	+1.27%	7,434,366
Apr 02, 2025	1,250.00	1,260.00	1,240.00	1,250.00	+0.29%	10,142,590
Apr 01, 2025	1,260.00	1,280.00	1,250.00	1,250.00	-0.95%	12,099,648

OBSERVATIONS

- Monthly High: ₹1,280.20 on April 17, 2025
- Monthly Low: ₹1,110.00 on April 7, 2025

- Overall Monthly Change: The stock opened at ₹1,260.00 on April 1 and closed at ₹1,274.50 on April 17, marking an approximate gain of 1.15% over this period.

INTERPRETATION

Stable Uptrend with Moderate Gains Reliance Industries stock opened at ₹1,260.00 on April 1 and reached ₹1,274.50 by mid-April, reflecting a modest overall gain of around 1.15%. The movement suggests steady investor confidence, though gains were less aggressive than some other large-cap peers. Significant Volatility Mid-Month The stock saw a notable dip on April 4 (closing at ₹1,200.00), following a sharp intraday fall from ₹1,240. This drop may have been due to profit-booking or short-term market sentiment. However, it rebounded quickly by April 7. Strong Recovery and Momentum from April 7 to April 17, the stock moved from ₹1,170.00 to ₹1,274.50, indicating a bullish rally of nearly 9% in 10 days. This could be linked to investor anticipation of strong Q4 earnings.

TABLE 3: SUMMARIZING WIPRO LIMITED'S DAILY STOCK PERFORMANCE FOR APRIL 2025:

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 30, 2025	241.55	243.40	239.20	241.50	+0.04%	14,206,640
Apr 29, 2025	241.60	243.60	239.85	241.40	+0.37%	16,647,246
Apr 28, 2025	240.50	241.95	238.75	240.50	-0.17%	14,218,414
Apr 25, 2025	243.95	246.15	238.05	240.90	-0.76%	16,620,430
Apr 24, 2025	244.80	245.15	241.50	242.75	-0.35%	23,000,820
Apr 23, 2025	237.20	245.35	236.10	243.60	+4.04%	31,898,042
Apr 22, 2025	238.45	239.00	233.50	234.15	-1.80%	18,367,713
Apr 21, 2025	237.40	240.80	237.40	238.45	+0.65%	16,300,000
Apr 17, 2025	235.00	237.80	232.15	236.90	-4.34%	54,880,000
Apr 16, 2025	244.00	248.45	241.20	247.65	+1.50%	16,200,000
Apr 15, 2025	245.05	245.05	241.35	244.00	+1.77%	10,690,000
Apr 11, 2025	245.00	245.00	238.35	239.75	+1.31%	11,210,000

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 09, 2025	240.70	242.30	234.00	236.65	-4.29%	19,060,000
Apr 08, 2025	244.75	249.50	243.85	247.25	+1.79%	13,810,000
Apr 07, 2025	231.05	243.85	228.00	242.90	-1.38%	13,010,000
Apr 04, 2025	253.00	253.95	244.85	246.30	-3.92%	14,640,000
Apr 03, 2025	259.90	260.50	255.30	256.35	-2.75%	12,260,000
Apr 02, 2025	261.10	264.80	260.50	263.65	+0.78%	10,500,000
		262	257.80	261.60	Apr 01, 2025	260.05

OBSERVATIONS:

- Monthly High: ₹263.65 on April 2, 2025
- Monthly Low: ₹232.15 on April 17, 2025
- Overall Monthly Change: A decrease of approximately 7.7% from the opening price on April 1 to the closing price on April 30

INTERPRETATION

Highest and Lowest Closing Prices: The highest closing price occurred on April 03, 2025 at ₹259.90. The lowest closing price occurred on April 17, 2025 at ₹236.90. Price Fluctuations: There were significant fluctuations in the middle of the month, with price drops on April 04 (-3.92%) and April 09 (-4.29%). Despite these drops, the stock showed recovery, reaching ₹247.25 on April 08, and another rally with a significant jump of +4.04% on April 23. Volatility: The highest volume traded was on April 17, with 54.88 million shares traded, which coincides with the biggest negative change of -4.34%. This indicates a significant drop in the stock price, likely triggered by a major event or market sentiment. The volume generally corresponds with price movements, indicating that higher volume often accompanies more significant changes in price.

TABLE: 4 TATA STEEL'S DAILY STOCK PERFORMANCE FOR APRIL 2025 IN A TABLE FORMAT:

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 30, 2025	241.55	243.40	239.20	241.50	+0.04%	14,206,640

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 29, 2025	241.60	243.60	239.85	241.40	+0.37%	16,647,246
Apr 28, 2025	240.50	241.95	238.75	240.50	-0.17%	14,218,414
Apr 25, 2025	243.95	246.15	238.05	240.90	-0.76%	16,620,430
Apr 24, 2025	244.80	245.15	241.50	242.75	-0.35%	23,000,820
Apr 23, 2025	237.20	245.35	236.10	243.60	+4.04%	31,898,042
Apr 22, 2025	238.45	239.00	233.50	234.15	-1.80%	18,367,713
Apr 21, 2025	237.40	240.80	237.40	238.45	+0.65%	16,300,000
Apr 17, 2025	235.00	237.80	232.15	236.90	-4.34%	54,880,000
Apr 16, 2025	244.00	248.45	241.20	247.65	+1.50%	16,200,000
Apr 15, 2025	245.05	245.05	241.35	244.00	+1.77%	10,690,000
Apr 11, 2025	245.00	245.00	238.35	239.75	+1.31%	11,210,000
Apr 09, 2025	240.70	242.30	234.00	236.65	-4.29%	19,060,000
Apr 08, 2025	244.75	249.50	243.85	247.25	+1.79%	13,810,000
Apr 07, 2025	231.05	243.85	228.00	242.90	-1.38%	13,010,000
Apr 04, 2025	253.00	253.95	244.85	246.30	-3.92%	14,640,000
Apr 03, 2025	259.90	260.50	255.30	256.35	-2.75%	12,260,000
Apr 02, 2025	261.10	264.80	260.50	263.65	+0.78%	10,500,000
Apr 01, 2025	260.05	262.30	257.80	261.60	-0.04%	14,030,000

OBSERVATIONS:

- Highest Closing: ₹259.90 on April 03, 2025.
- Lowest Closing: ₹236.90 on April 17, 2025.
- Biggest Positive Change: +4.04% on April 23, 2025.

- Biggest Negative Change: -4.34% on April 17, 2025.
- Highest Volume: 54.88 million on April 17, 2025.

INTERPRETATION

Fluctuations in Price: Tata Steel's stock showed considerable volatility throughout April 2025, with several days of sharp gains and significant losses. This reflects market reactions to external events, possibly related to the company's earnings, broader market conditions, or industry news. Closing Trend: Despite some days of price recovery, the stock closed lower on a few occasions, reflecting the broader market sentiment and investor caution. However, the stock managed to finish the month with a mild gain on April 30, ending at ₹241.50, up by +0.04%. Highest Closing Price: On April 03, 2025, Tata Steel's stock closed at ₹259.90, marking the highest price for the month. This could be due to positive news or market sentiment driving the price upward.

TABLE 5: DAILY STOCK PERFORMANCE OF ITC LIMITED FOR APRIL 2025:

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 30, 2025	427.40	429.30	422.00	425.80	-0.37%	10,026,546
Apr 29, 2025	428.90	429.60	425.00	426.00	-0.68%	11,189,930
Apr 28, 2025	426.65	430.50	424.75	428.80	+0.50%	6,287,095
Apr 25, 2025	430.05	432.70	423.30	427.80	-0.52%	22,944,377
Apr 24, 2025	431.85	436.05	429.30	430.05	-0.42%	26,064,089
Apr 23, 2025	436.20	437.45	428.85	430.85	-1.23%	19,566,317
Apr 22, 2025	425.95	434.80	423.55	433.60	+2.54%	32,031,936
Apr 21, 2025	428.05	429.10	421.50	422.85	-1.20%	21,804,900
Apr 17, 2025	425.00	427.85	421.55	422.85	-0.50%	22,410,000
Apr 16, 2025	418.00	426.05	418.00	424.45	+0.96%	13,030,000
Apr 15, 2025	429.20	429.20	419.00	420.40	-0.27%	11,690,000
Apr 11, 2025	421.55	422.45	417.00	421.55	+1.26%	8,940,000

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 09, 2025	416.30	419.05	411.25	416.30	+0.91%	21,790,000
Apr 08, 2025	412.55	415.80	407.25	412.55	+1.60%	18,600,000
Apr 07, 2025	406.05	408.10	390.15	406.05	-0.89%	26,760,000
Apr 04, 2025	409.70	412.80	404.50	409.70	+0.07%	18,630,000
Apr 03, 2025	409.40	410.20	406.70	409.40	+0.09%	7,060,000
Apr 02, 2025	410.00	411.50	405.00	408.00	-0.25%	9,500,000
Apr 01, 2025	412.50	414.30	408.10	412.50	+0.71%	10,000,000

OBSERVATIONS:

- Highest Closing Price: ₹433.60 on April 22, 2025.
- Lowest Closing Price: ₹406.05 on April 07, 2025.
- Largest Single-Day Gain: +2.54% on April 22, 2025.
- Largest Single-Day Loss: -1.23% on April 23, 2025.
- Highest Trading Volume: 32,031,936 shares on April 22, 2025.

INTERPRETATION

Highest Closing Price: Date & ₹ Value. Lowest Closing Price: Date & ₹ Value. These points show investor confidence or concern. Highest Single-Day Gain (% and date): Suggests positive market sentiment or news. Biggest One-Day Drop (% and date): Often tied to negative news or earnings reports. Volume Analysis: Identify dates with high trading volume and link them to price action. High volume with price change signals strong sentiment. Consistently high volume with sideways price may suggest accumulation or distribution.

TABLE 6: DAILY STOCK PERFORMANCE OF INFOSYS LTD. (NSE: INFY) FOR APRIL 2025:

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 30, 2025	1,496.80	1,508.80	1,482.60	1,500.10	+0.17%	7,704,183

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 29, 2025	1,482.00	1,509.80	1,474.10	1,497.50	+1.04%	8,056,743
Apr 28, 2025	1,480.20	1,489.60	1,465.30	1,482.10	+0.13%	5,886,253
Apr 25, 2025	1,475.50	1,501.70	1,463.50	1,480.20	+0.60%	8,329,979
Apr 24, 2025	1,469.90	1,482.90	1,461.50	1,471.40	-0.24%	7,114,292
Apr 23, 2025	1,446.00	1,487.80	1,439.60	1,474.90	+3.66%	11,136,642
Apr 22, 2025	1,440.00	1,440.00	1,419.30	1,422.80	-1.94%	9,399,738
Apr 21, 2025	1,410.00	1,471.80	1,410.00	1,451.00	+2.22%	15,648,970
Apr 17, 2025	1,398.00	1,429.80	1,378.30	1,419.50	+0.45%	14,264,227
Apr 16, 2025	1,425.00	1,427.50	1,396.80	1,413.10	-0.90%	12,022,740
Apr 15, 2025	1,445.60	1,447.70	1,409.00	1,426.00	+1.17%	10,178,530
Apr 11, 2025	1,411.25	1,438.80	1,397.05	1,409.45	+0.41%	12,567,440
Apr 09, 2025	1,405.05	1,409.45	1,381.90	1,403.70	-1.76%	8,546,854
Apr 08, 2025	1,431.00	1,456.50	1,415.00	1,428.80	+2.29%	12,805,001
Apr 07, 2025	1,352.00	1,405.90	1,307.00	1,396.75	-3.78%	21,715,252
Apr 04, 2025	1,460.50	1,472.00	1,448.00	1,451.65	-3.00%	9,590,254
Apr 03, 2025	1,534.65	1,534.65	1,485.05	1,496.50	-3.46%	10,459,504
Apr 02, 2025	1,535.20	1,555.65	1,535.20	1,550.15	+1.55%	6,193,478
Apr 01, 2025	1,539.25	1,547.40	1,517.85	1,526.50	-2.81%	12,680,733

KEY OBSERVATIONS:

- Highest Closing Price: ₹1,550.15 on April 2, 2025.
- Lowest Closing Price: ₹1,396.75 on April 7, 2025.
- Largest Single-Day Gain: +3.66% on April 23, 2025.

- Largest Single-Day Loss: -3.78% on April 7, 2025.
- Highest Trading Volume: 21,715,252 shares on April 7, 2025.

INTERPRETATION

Infosys exhibited a volatile performance during April 2025. The month began with a declining trend, reaching its lowest closing price of ₹1,396.75 on April 7, before rebounding in the latter half. Price Movements: Highest Closing Price: ₹1,550.15 on April 2. Lowest Closing Price: ₹1,396.75 on April 7, representing a drop of ~9.9% from the monthly high. The stock showed signs of stabilization and minor recovery after mid-April, with multiple small upward movements.

TABLE :7 DAILY STOCK PERFORMANCE OF BHARTI AIRTEL LTD. (NSE: BHARTIARTL) FOR APRIL 2025:

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 30, 2025	1,837.00	1,876.90	1,827.00	1,864.50	+2.23%	9,139,821
Apr 29, 2025	1,823.70	1,847.80	1,817.60	1,823.80	+0.11%	4,684,155
Apr 28, 2025	1,836.00	1,838.90	1,813.40	1,821.80	+0.25%	3,301,891
Apr 25, 2025	1,846.70	1,861.70	1,806.00	1,817.20	-1.54%	4,570,083
Apr 24, 2025	1,874.50	1,877.80	1,839.50	1,845.60	-1.91%	5,180,688
Apr 23, 2025	1,867.00	1,885.90	1,836.10	1,881.60	+1.59%	6,855,027
Apr 22, 2025	1,888.00	1,888.00	1,836.80	1,852.20	-1.56%	6,155,127
Apr 21, 2025	1,898.40	1,904.30	1,868.60	1,883.40	-0.42%	3,501,123
Apr 17, 2025	1,834.00	1,897.70	1,825.70	1,889.10	+3.65%	10,894,325
Apr 16, 2025	1,802.40	1,826.50	1,794.10	1,822.60	+1.12%	6,180,958
Apr 15, 2025	1,808.20	1,820.00	1,781.10	1,798.80	+2.40%	10,313,411
Apr 11, 2025	1,760.00	1,767.00	1,732.35	1,756.60	+2.39%	8,340,002

Date	Open (₹)	High (₹)	Low (₹)	Close (₹)	Change (%)	Volume
Apr 09, 2025	1,719.65	1,726.85	1,711.60	1,715.55	-0.28%	5,600,666
Apr 08, 2025	1,720.70	1,742.30	1,706.80	1,720.40	+2.00%	7,206,935
Apr 07, 2025	1,686.65	1,774.75	1,669.40	1,687.85	-3.26%	14,870,000
Apr 04, 2025	1,743.45	1,770.80	1,740.00	1,743.25	-0.15%	7,820,000
Apr 03, 2025	1,746.00	1,754.95	1,735.45	1,745.70	-0.52%	2,340,000
Apr 02, 2025	1,754.60	1,760.40	1,718.90	1,754.75	+1.77%	6,430,000
Apr 01, 2025	1,724.15	1,765.00	1,708.45	1,723.90	-0.53%	6,770,000

OBSERVATIONS:

- Highest Closing Price: ₹1,889.10 on April 17, 2025.
- Lowest Closing Price: ₹1,687.85 on April 7, 2025.
- Largest Single-Day Gain: +3.65% on April 17, 2025.
- Largest Single-Day Loss: -3.26% on April 7, 2025.
- Highest Trading Volume: 14.87 million shares on April 7, 2025.

INTERPRETATION

Bharti Airtel's stock exhibited high volatility throughout April 2025. The month started with a slight downward trend, hit a low on April 7, followed by a strong mid-month rally, and ended on a high note on April 30. Highest Closing Price: ₹1,889.10 on April 17. Lowest Closing Price: ₹1,687.85 on April 7. From April 7 to April 17, the stock rebounded by nearly 12%, indicating strong recovery and buying interest.

FINDINGS

- Hero MotoCorp - Daily Stock Performance for April 2025
Monthly High ₹3,954.50 on April 24, 2025
Monthly Low ₹3,666.00 on April 11, 2025
Overall Monthly Change +4.4% (from ₹3,666.00 on April 1 to ₹3,827.40 on April 30)
Overall Positive Trend: The stock showed an increase of approximately 4.4% for the month, indicating a positive trend despite some volatility.
Mid-Month Surge: Significant growth between April 15–24, peaking at ₹3,954.50.
Volatility Due to Production Halt: Temporary production halts in mid-April caused short-term dips, but the market absorbed it quickly, showing underlying confidence.

- Reliance Industries - Daily Stock Performance for April 2025 Observations Value Monthly High ₹1,280.20 on April 17, 2025 Monthly Low ₹1,110.00 on April 7, 2025 Overall Monthly Change+1.15% (from ₹1,260.00 on April 1 to ₹1,274.50 on April 17) Stable Uptrend: Modest gain of 1.15%, suggesting steady investor confidence. Significant Volatility Mid-Month: A dip on April 4 was followed by a strong recovery between April 7 and April 17, likely due to anticipated earnings.
- Wipro Limited - Daily Stock Performance for April 2025 Observations Value Monthly High ₹263.65 on April 2, 2025 Monthly Low ₹232.15 on April 17, 2025 Overall Monthly Change-7.7% (from ₹255.00 on April 1 to ₹236.50 on April 30) Price Fluctuations: Wipro experienced significant volatility, including sharp drops on April 4 and 9. Recovery and Volume Analysis: Recovery in late April, but a key drop on April 17 coincided with the highest volume.
- Tata Steel - Daily Stock Performance for April 2025 Observations Value Monthly High ₹259.90 on April 3, 2025 Monthly Low ₹236.90 on April 17, 2025 Biggest Positive Change+4.04% on April 23, 2025 Biggest Negative Change -4.34% on April 17, 2025 Highest Volume 54.88 million on April 17, 2025 Fluctuations in Price: Tata Steel had a volatile month with both gains and losses. Recovery: Despite fluctuations, the stock ended the month with a small gain.
- ITC Limited - Daily Stock Performance for April 2025 Observations Value Highest Closing Price ₹433.60 on April 22, 2025 Lowest Closing Price ₹406.05 on April 7, 2025 Largest Single-Day Gain+2.54% on April 22, 2025 Largest Single-Day Loss-1.23% on April 23, 2025 Highest Trading Volume 32,031,936 on April 22, 2025 Volume and Price Movements: High trading volume on April 22 correlated with the largest single-day gain. Price movements indicate investor confidence.
- Infosys Ltd. - Daily Stock Performance for April 2025 Observations Value Highest Closing Price ₹1,550.15 on April 2, 2025 Lowest Closing Price ₹1,396.75 on April 7, 2025 Largest Single-Day Gain +3.66% on April 23, 2025 Largest Single-Day Loss -3.78% on April 7, 2025 Highest Trading Volume 21,715,252 on April 7, 2025 Volatile Performance: The stock dropped significantly in early April but showed signs of stabilization and recovery after mid-month.
- Bharti Airtel Ltd. - Daily Stock Performance for April 2025 Observations Value Highest Closing Price ₹1,889.10 on April 17, 2025 Lowest Closing Price ₹1,687.85 on April 7, 2025 Largest Single-Day Gain+3.65% on April 17, 2025 Largest Single-Day Loss-3.26% on April 7, 2025 Highest Trading Volume 14.87 million on April 7, 2025 Strong Recovery: Bharti Airtel experienced a sharp recovery from April 7 to April 17, with significant gains and high trading volumes.

RECOMMENDATIONS

VISUALIZE KEY DATA TRENDS:

- Include line graphs or bar charts to visually represent the stock price movements over the month. This can make it easier for readers to quickly grasp key trends, such as monthly highs, lows, and significant price fluctuations.
- Candlestick charts can be useful for depicting daily stock price movements and capturing market sentiment (especially when showing volatility).

ADD COMPARISONS:

- Include a comparative table where you show the performance of all the stocks alongside each other. This could include the monthly high, low, percentage change, and volume. This would help highlight which stocks performed the best in comparison to others during the month.

EXPAND ON EXTERNAL FACTORS:

- Discuss any external factors that may have influenced stock movements, such as economic events, industry-specific news, or market sentiment. For example, the temporary production stoppages for Hero MotoCorp or earnings expectations for Reliance Industries.
- This context can help provide a more comprehensive understanding of why certain fluctuations occurred.

CONCLUSION

The stock performance analysis of Hero MotoCorp, Reliance Industries, Wipro Limited, Tata Steel, ITC Limited, Infosys Ltd., and Bharti Airtel Ltd. during April 2025 reveals diverse trends and market behaviors. While some companies demonstrated a steady upward trajectory, others faced significant volatility due to external factors or internal developments. Hero MotoCorp exhibited a positive overall trend, with a notable surge mid-month, reflecting investor confidence despite some temporary production halts. The stock closed with a 4.4% increase, indicating resilience in the face of short-term volatility. Reliance Industries showed moderate gains, reflecting stable investor sentiment. Despite some volatility, it managed to close with a modest 1.15% gain, indicating steady performance and market confidence. Wipro experienced significant fluctuations, with a notable drop in the middle of the month. Its performance reflected broader market trends, with the stock closing lower by 7.7%, highlighting some investor caution and volatility. Tata Steel demonstrated considerable price volatility, with sharp gains and losses. However, the stock managed to close the month with a slight gain, signaling resilience amid market fluctuations. ITC Limited saw a significant increase in stock price on April 22, reflecting strong investor sentiment. High trading volumes and positive price movements indicated a strong performance during the month. Infosys Ltd. exhibited high volatility, particularly early in the month, but showed signs of recovery with a strong rebound towards the latter half of April. This highlights the company's potential for growth despite the initial drop. Bharti Airtel showed a strong recovery from early April lows, ending the month on a high note, driven by solid market sentiment and investor interest. The analysis suggests that while each company faced different challenges, the general trend for most was upward or relatively stable, indicating a positive market sentiment overall. Some companies, like Hero MotoCorp and Bharti Airtel, benefitted from strong rallies, while others like Wipro experienced more volatility.

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