

# A Regression Analysis of Visa Inc. and the Nifty 50 Index of India

## Monthly Returns

Submitted by **Jayati Gopal Vyas**

Dated: **November 12, 2025**

---

### Introduction

In recent years, emerging markets' impact on global financial systems has increased dramatically. India's Nifty 50 Index has become one of these markets' most important indicators of investor mood and a major force behind global capital flows. This study looks at the relationship between the stock price performance of Visa Inc. (NYSE: V), a major international payment technology corporation, and the Nifty 50 Index, which comprises 50 of the biggest and most liquid companies listed on the National Stock Exchange of India across 13 sectors. Visa offers credit, debit, and prepaid card solutions in more than 200 countries, as well as value-added services including risk management and airport lounge access. Visa also runs VisaNet, a global network that enables safe electronic payments.

Using a straightforward linear regression model based on past monthly data, the project's goal is to ascertain whether changes in the Nifty 50 Index have a quantifiable and predictable effect on Visa's stock performance. The results are intended to improve knowledge of how new market developments, especially in India, affect the market dynamics and valuation of multinational firms with significant international exposure.

### Hypotheses

The research is guided by two core hypotheses:

- **Null Hypothesis H<sub>0</sub>:** There is no statistically significant relationship between the Nifty 50 Index and Visa Inc.'s stock price (the coefficient of the predictor is zero).
- **Alternative Hypothesis H<sub>1</sub>:** There is a statistically significant and positive relationship: as the Nifty 50 Index increases, Visa Inc.'s stock price tends to perform better.

Testing these hypotheses enables an empirical evaluation of whether changes in the Indian market meaningfully align with movements in Visa's returns.

### Data Collection, Cleaning, and Preparation

#### **Variable Selection**

The dependent variable (Y) for this analysis is the monthly closing price and returns of Visa Inc. in U.S. dollars, while the predictor variable (X) is the monthly closing value and returns of the Nifty 50 Index, converted to U.S. dollars using the average monthly USD/INR exchange rate. This ensures that both time series are expressed in consistent currency terms, eliminating potential distortions due to exchange rate fluctuations.

#### **Data Sources**

All datasets were obtained from reliable financial databases. Visa Inc.'s stock price data were sourced from [Investing.com](https://www.investing.com), while the Nifty 50's historical levels were drawn from [NSE India](https://www.nseindia.com) and

[Investing.com](https://www.investing.com). The USD/INR exchange rate data used for currency conversion were obtained from [Investing.com](https://www.investing.com).

(Note: Refer Annexure 5 to 7 for data table)

### Period and Frequency

The study covers the period from **January 2020 to November 2025**, comprising **71 monthly observations**. This time frame includes major economic fluctuations, such as the COVID-19 pandemic and subsequent global market recovery, allowing for a robust examination of the data under varying market conditions.

### Preparation Procedures

The Nifty 50 index values in INR were converted into USD by dividing each closing value by the respective monthly average USD/INR exchange rate. Monthly returns for both series were computed using the standard formula:

$$Return_t = \frac{Price_t - Price_{t-1}}{Price_{t-1}}$$

No missing values were identified during the data-cleaning process, and all abnormal variations were cross-verified against known global events to ensure accuracy.

### Initial Visualization

Time-series plots of Visa's and Nifty 50's price indicated an overall upward trajectory for both, punctuated by short-term volatility during major global risk episodes. Visual trends suggested the possibility of a positive correlation, providing initial motivation for formal statistical testing.

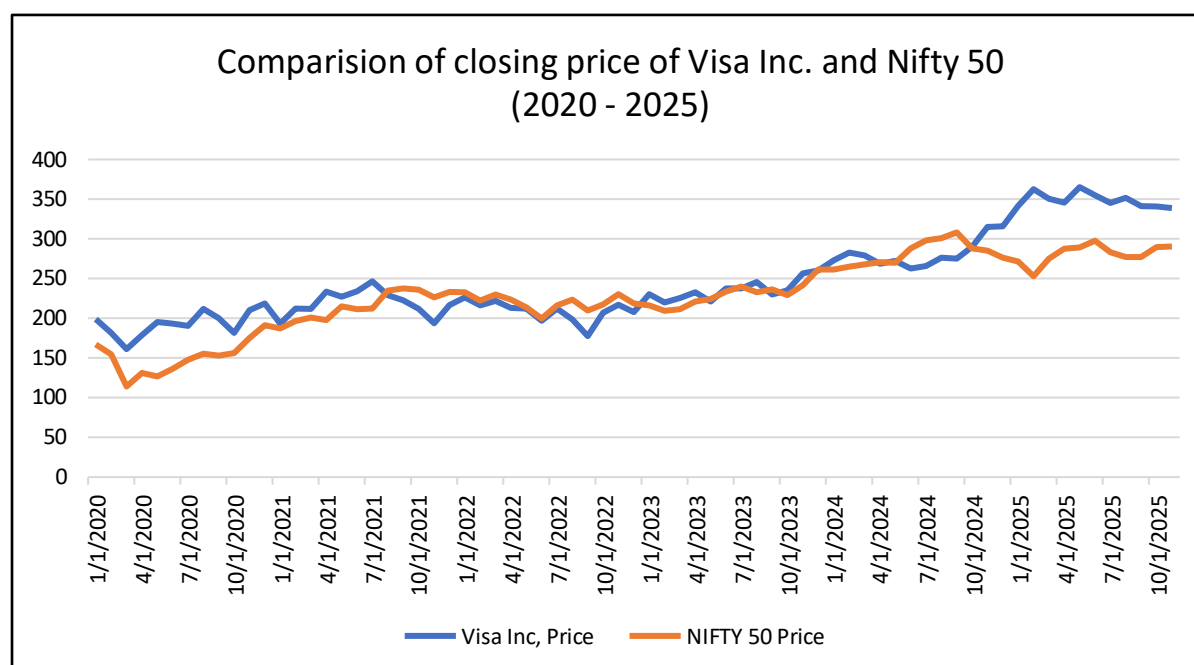


Figure 1: Time series plot comparing Visa Inc. and Nifty 50 (USD) monthly closing prices, January 2020–November 2025.

## Graphical and Descriptive Analysis

The monthly returns of Visa Inc. and the Nifty 50 showed a distinct positive slope in a scatter plot, suggesting a high positive correlation between the two variables. Trend charts showed that, especially during times of increased global activity, the expansion and contraction stages of the Visa and Nifty 50 returns were similar.

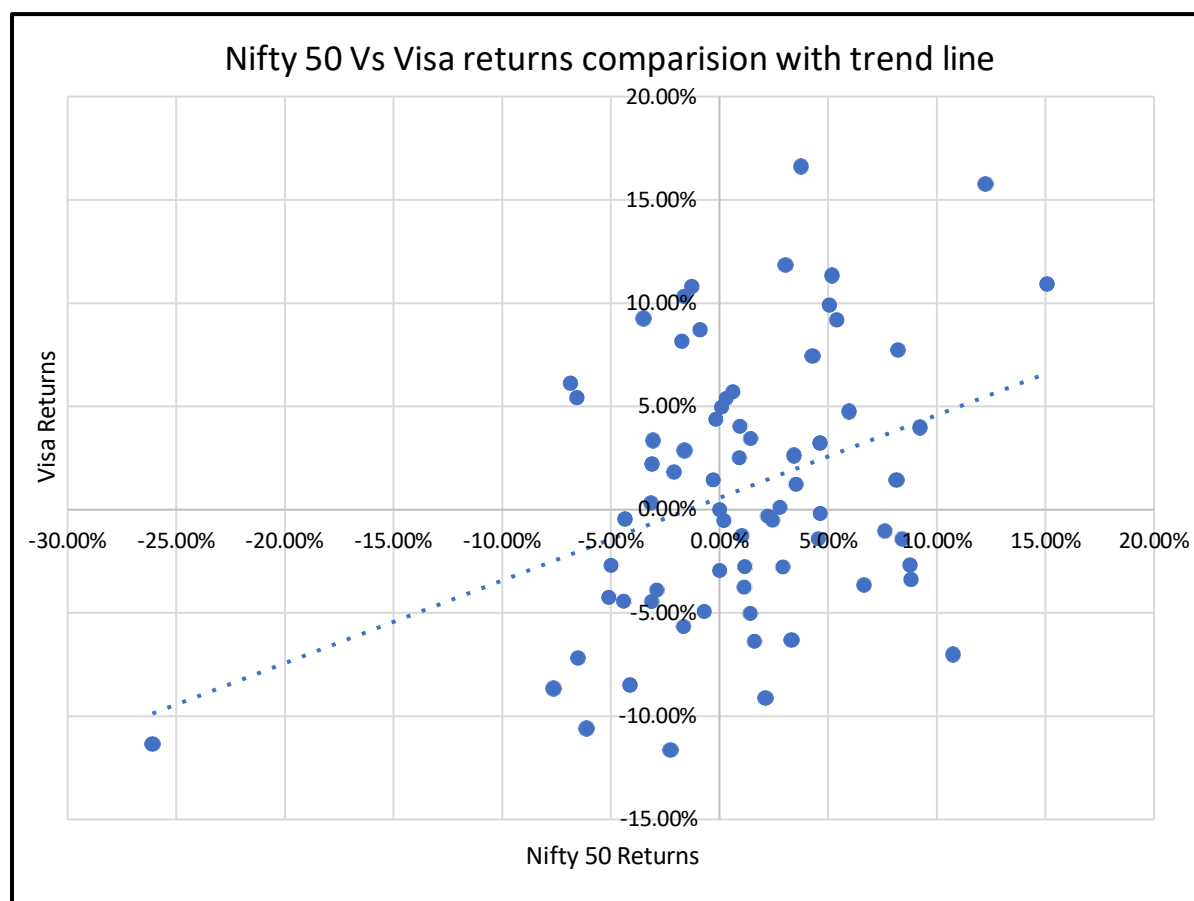


Figure 2: Scatter Plot of Visa Returns vs. Nifty 50 Returns

This association was supported by descriptive statistics: the average monthly return for both series was roughly 0.95%, with standard deviations of 6.4% for Visa and 5.8% for Nifty 50, indicating similar volatility. The empirical foundation for additional inferential testing using regression analysis was established by these summary measures.

| Statistic    | Visa Returns (%) | Nifty 50 Returns (%) |
|--------------|------------------|----------------------|
| Mean         | 0.96%            | 0.95%                |
| Std. Dev.    | 6.41%            | 5.78%                |
| Minimum      | -11.65%          | -26.10%              |
| Maximum      | 16.61%           | 15.07%               |
| Observations | 71               | 71                   |

Table 1: Descriptive statistics for Visa and Nifty 50 monthly returns (2020–2025).

## Regression Model and Methodology

### – Model Specification

The relationship between Visa Inc.'s returns and the Nifty 50 Index was estimated using the following simple linear regression model:

$$Visa\_Return_t = \beta_0 + \beta_1(Nifty50\_Return_t) + \epsilon_t$$

where  $\beta_0$  represents the intercept,  $\beta_1$  represents the sensitivity of Visa's returns to movements in the Nifty 50, and  $\epsilon_t$  captures the random error component.

### – Method of Estimation

Microsoft Excel's Data Analysis Toolpak was used to perform regression analysis. To make sure that the conventional linear regression assumptions linearity, independence, and residual normality were met, diagnostic tests were used. To verify the suitability of the model and identify any indications of heteroscedasticity or nonlinearity, residual plots were analyzed.

## Results: Regression, ANOVA, and Testing

The regression output indicates a **strong and statistically significant relationship** between Visa's returns and those of the Nifty 50.

### – Statistics for Regression

A strong positive linear relationship is indicated by the correlation coefficient (R) of 0.809, and the R-squared value of 0.655 suggests that changes in the Nifty 50 may account for about 65.5% of the volatility in Visa's monthly returns. The robustness of the model is further shown by the adjusted R-squared (0.654).

| Regression Statistics |             |
|-----------------------|-------------|
| Multiple R            | 0.809148773 |
| R Square              | 0.654721737 |
| Adjusted R Square     | 0.649717704 |
| Standard Error        | 31.99125288 |
| Observations          | 71          |

Table 2: Overall model summary statistics.

### – Estimates of Coefficients

The regression coefficients show a slope of 0.927 and an intercept of 34.13. The Nifty 50 return is a statistically significant predictor of Visa's return, according to the slope's t-statistic of 11.44 and its incredibly low p-value ( $< 0.00001$ ).

#### T-Test

Using the t-table, we find the value for a two-tailed test at the 0.03 significance level with 70 degrees of freedom

$$t = \frac{\beta_1 - \beta_1}{SE(\beta_1)}$$

$H_0: \beta_1 = 0; H_1: \beta_1 \text{ is not } = 0$

| <i>Particulars</i>    | <i>Amt.</i> |
|-----------------------|-------------|
| b1                    | 0.73        |
| Testing Value         | 0.00        |
| s(b1)                 | 0.15        |
| t                     | 4.87        |
| DF                    | 69.00       |
| Level of significance | 0.03        |
| Critical Value t      | 1.99        |

Table 3: T- Test summary statistics

Since the T- Value is higher than the critical value t of 1.994 and falls in the rejection region, we will reject the null hypothesis. The explanation is simple when all other variables are held constant, Visa's stock returns typically increase by roughly 0.93% for every 1% monthly increase in the Nifty 50.

| <i>Particulars</i> | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> |
|--------------------|---------------------|-----------------------|---------------|----------------|
| Intercept          | 34.13118628         | 18.95967273           | 1.800199126   | 0.076200231    |
| Nifty 50           | 0.927485777         | 0.081084707           | 11.43847972   | 1.36956E-17    |

Table 4: Regression results for the relationship between Nifty 50 and Visa Inc. returns.

### ANOVA Summary

An F-statistic of 130.84 with a matching significance level below 0.00001 is displayed in the analysis of variance (ANOVA) table. This demonstrates that the regression model is extremely significant and offers a reliable explanation for the variability in Visa's returns.

### F-Test

The F-test checks if the slope coefficient is zero, testing  $H_0: \beta_1 = 0$  against  $H_1: \beta_1 \neq 0$ .

$$F = \frac{RSS/1}{SSE/(n-2)}$$

$H_0: \beta_1 = 0$ ;  $H_1: \beta_1 \neq 0$

| <i>Particulars</i> | <i>Amt.</i> |
|--------------------|-------------|
| RSS                | 133905.7    |
| SSE                | 70617.38    |
| N-2                | 69          |
| F                  | 130.8388    |
| F(1,69) 5%         | 4           |

Table 5: F- Test summary statistics

Since the F- Value is higher than 4, we reject the null hypothesis with high significance.

| <i>Particulars</i> | <i>df</i> | <i>SS</i>   | <i>MS</i>   | <i>F</i>    | <i>Significance F</i> |
|--------------------|-----------|-------------|-------------|-------------|-----------------------|
| Regression         | 1         | 133905.7142 | 133905.7142 | 130.8388182 | <0.00001              |
| Residual           | 69        | 70617.37798 | 1023.440261 |             |                       |
| Total              | 70        | 204523.0922 |             |             |                       |

Table 6: ANOVA results for the regression model.

## Testing Hypotheses

The t-test for  $\beta_1 = 0$

At the 5% significance level,  $t = 0$  unequivocally rejects the null hypothesis, demonstrating a strong correlation between the two variables. The alternative hypothesis that the Nifty 50 has a positive impact on Visa's stock performance is supported by the F-test, which also validates the model's overall explanatory power.

## Analysis of Residuals

The assumptions of the linear model were validated by the residuals, which were randomly distributed around zero and showed no systematic pattern. Moderate prediction variability was indicated by the standard error of residuals, which was roughly 31.99.

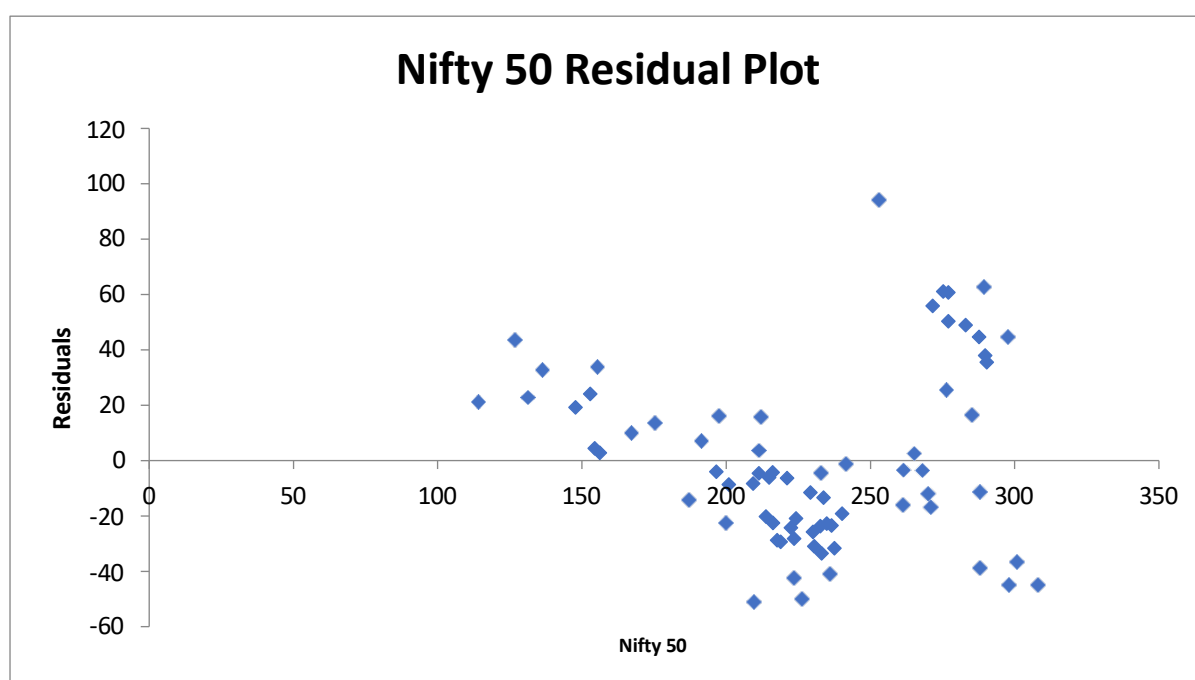


Figure 3: Residuals plotted against fitted values.

## Discussion

### – Principal Results

The findings show a substantial positive and statistically significant correlation between Visa Inc.'s monthly returns and those of the Nifty 50 Index. A significant amount of Visa's stock performance over the study period may be explained by changes in the Indian market, with an R-squared value of 0.655.

### – Interpretation

This link demonstrates how global firms and emerging market economies are becoming increasingly interdependent. Visa's business strategy, which is closely linked to global consumer spending and financial transactions, is vulnerable to shifts in developing nations like India, where transaction volumes are directly impacted by the quick uptake of digital payments and economic growth.

– **Financial Consequences**

These results suggest that investors in Visa Inc. should keep an eye on important emerging market indices like the Nifty 50 in addition to U.S. benchmarks. Incorporating global market indicators into portfolio allocation models is also supported by the data, especially for multinational corporations with a wide range of geographic exposure.

**Restrictions**

The analysis is constrained using a single explanatory variable, notwithstanding its importance. Visa's returns may be impacted by additional macroeconomic and financial factors that were left out, such as U.S. stock indices, interest rates, inflation, or company-specific events. Furthermore, the model does not take into consideration possible lag effects or structural breaks and instead assumes linearity. Additionally, short-term volatility that would provide more information in higher-frequency analyses is smoothed out by using monthly data.

**In conclusion**

The Nifty 50 Index and Visa Inc.'s stock performance from 2020 to 2025 are positively and statistically significantly correlated, according to this study. The results highlight how globalized financial markets are, with developing nations like India having a quantifiable impact on the success of major multinational firms. The study concludes that to comprehend global financial links and optimize portfolio strategies, investors, analysts, and policymakers must keep an eye on cross-market dynamics.

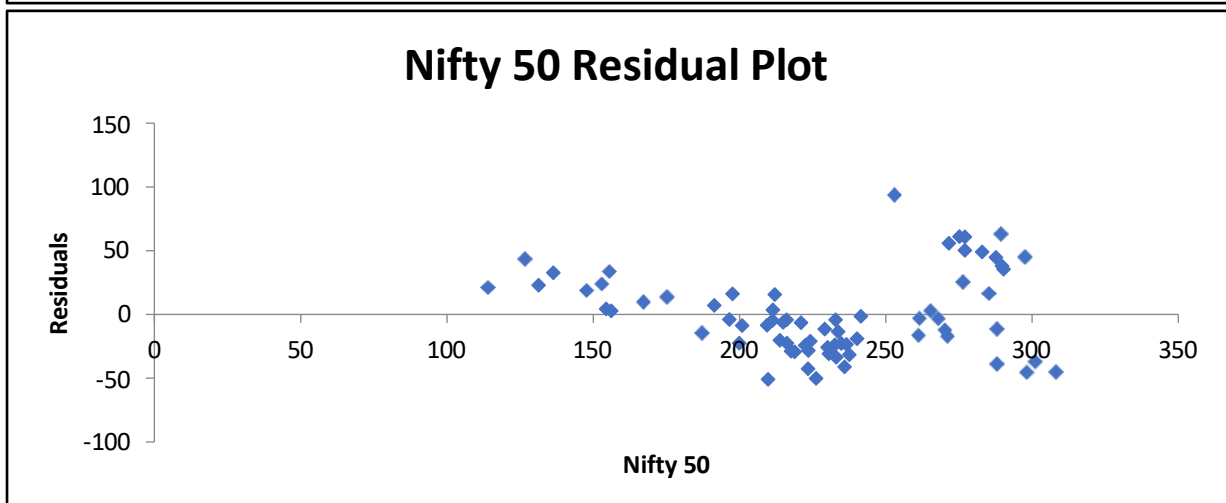
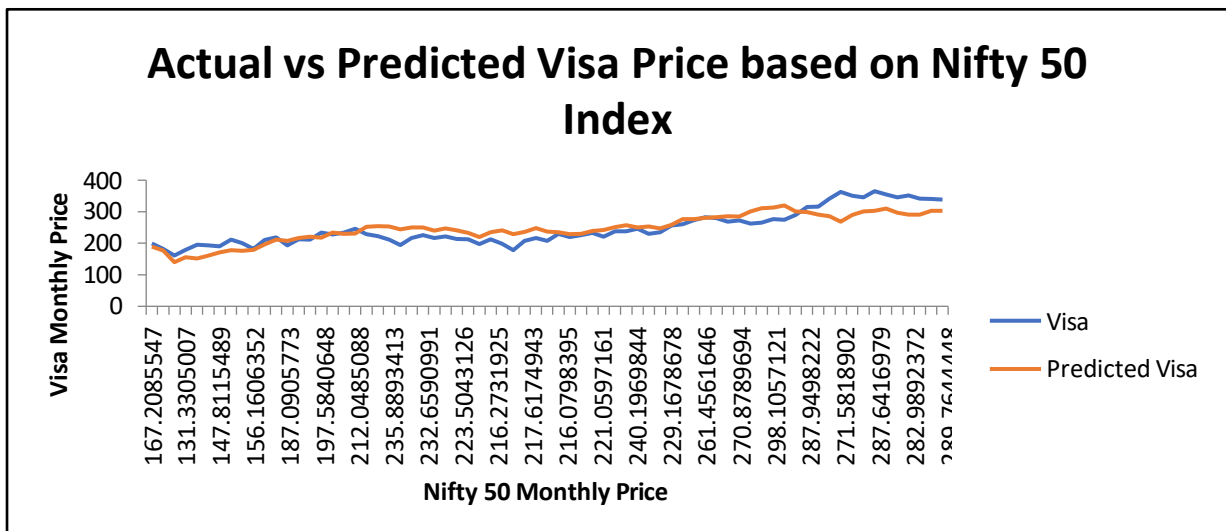
---

## Annexure 1: ANOVA Summary

| Regression Statistics |             |
|-----------------------|-------------|
| Multiple R            | 0.809148773 |
| R Square              | 0.654721737 |
| Adjusted R Square     | 0.649717704 |
| Standard Error        | 31.99125288 |
| Observations          | 71          |

| Particulars | df | SS          | MS          | F           | Significance F |
|-------------|----|-------------|-------------|-------------|----------------|
| Regression  | 1  | 133905.7142 | 133905.7142 | 130.8388182 | 1.36956E-17    |
| Residual    | 69 | 70617.37798 | 1023.440261 |             |                |
| Total       | 70 | 204523.0922 |             |             |                |

| Particulars | Coefficients | Standard Error | t Stat      | P-value     |
|-------------|--------------|----------------|-------------|-------------|
| Intercept   | 34.13118628  | 18.95967273    | 1.800199126 | 0.076200231 |
| Nifty 50    | 0.927485777  | 0.081084707    | 11.43847972 | 1.36956E-17 |



## Annexure 2: Price and Returns comparison between Visa Inc. and Nifty 50 Index

### Visa Inc, NYSE: V

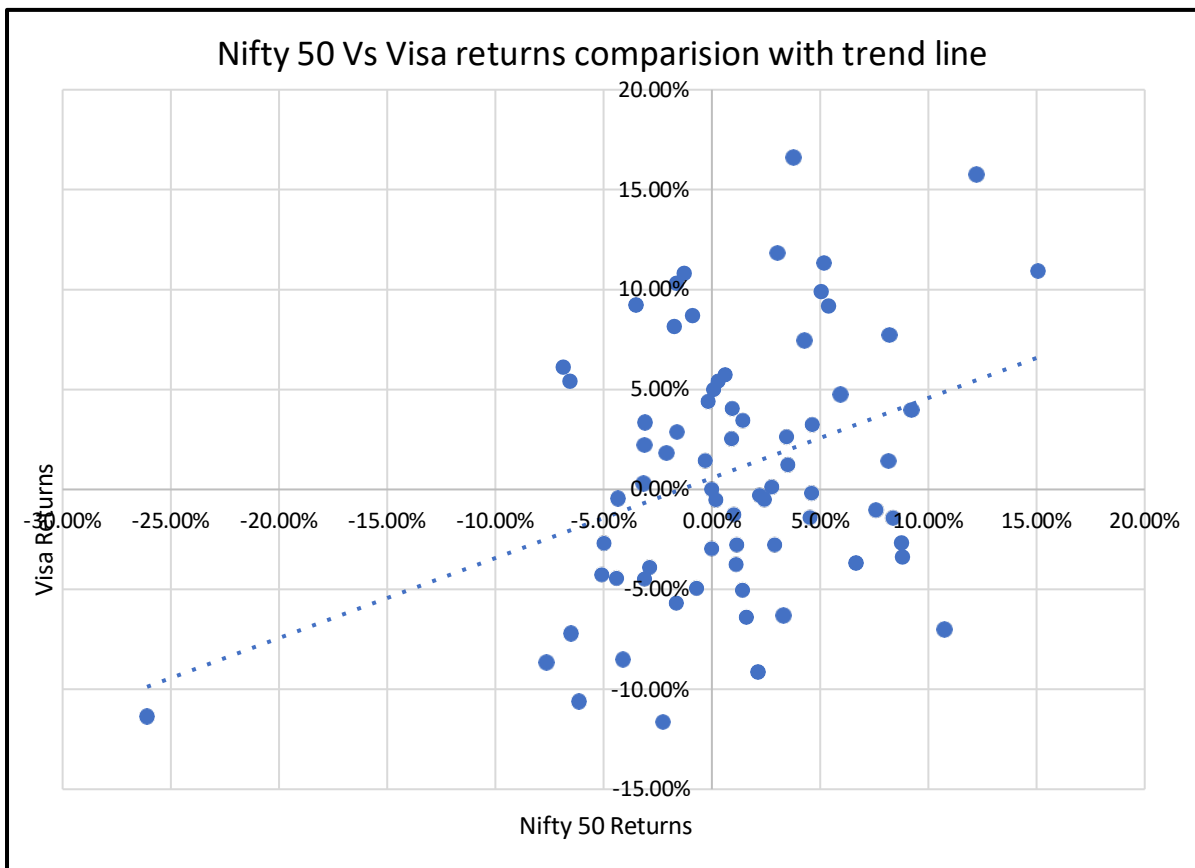
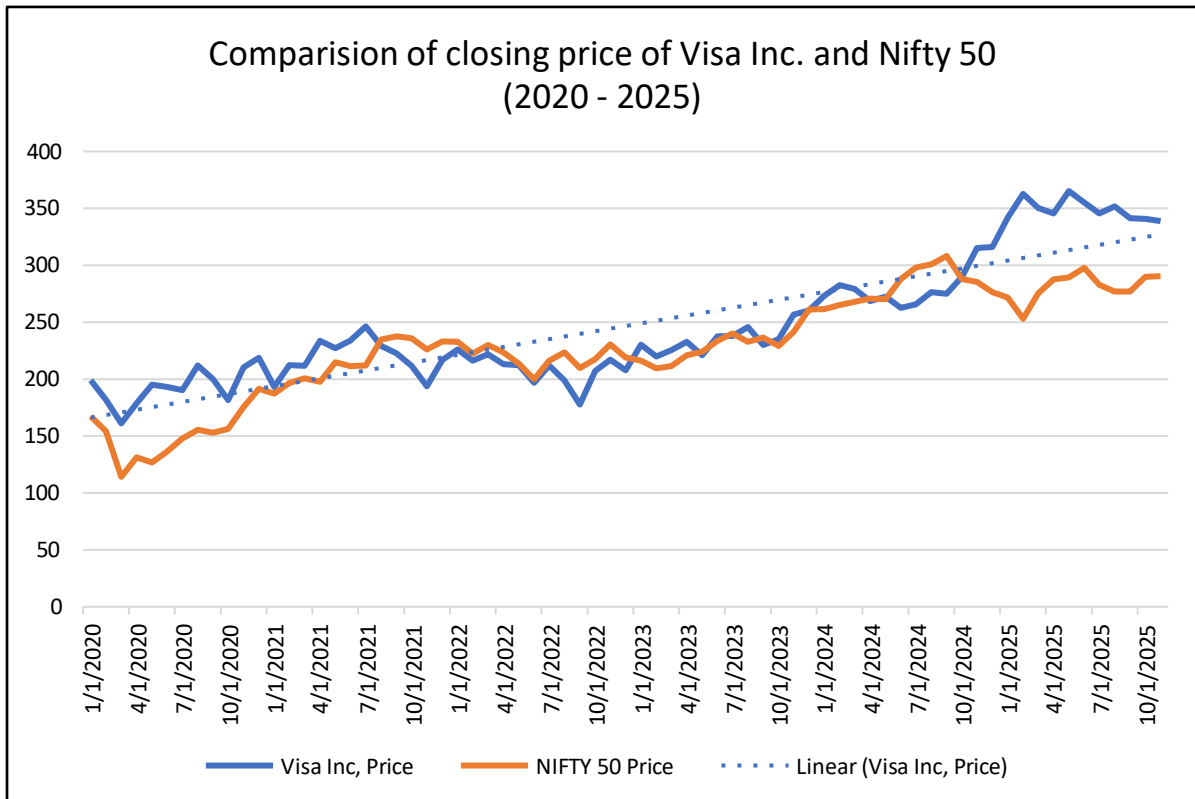
| Date      | Visa Inc, Price | Change % |
|-----------|-----------------|----------|
| 1/1/2020  | 198.97          | 0        |
| 2/1/2020  | 181.76          | -8.65%   |
| 3/1/2020  | 161.12          | -11.36%  |
| 4/1/2020  | 178.72          | 10.92%   |
| 5/1/2020  | 195.24          | 9.24%    |
| 6/1/2020  | 193.17          | -1.06%   |
| 7/1/2020  | 190.4           | -1.43%   |
| 8/1/2020  | 211.99          | 11.34%   |
| 9/1/2020  | 199.97          | -5.67%   |
| 10/1/2020 | 181.71          | -9.13%   |
| 11/1/2020 | 210.35          | 15.76%   |
| 12/1/2020 | 218.73          | 3.98%    |
| 1/1/2021  | 193.25          | -11.65%  |
| 2/1/2021  | 212.39          | 9.90%    |
| 3/1/2021  | 211.73          | -0.31%   |
| 4/1/2021  | 233.56          | 10.31%   |
| 5/1/2021  | 227.3           | -2.68%   |
| 6/1/2021  | 233.82          | 2.87%    |
| 7/1/2021  | 246.39          | 5.38%    |
| 8/1/2021  | 229.1           | -7.02%   |
| 9/1/2021  | 222.75          | -2.77%   |
| 10/1/2021 | 211.77          | -4.93%   |
| 11/1/2021 | 193.77          | -8.50%   |
| 12/1/2021 | 216.71          | 11.84%   |
| 1/1/2022  | 226.17          | 4.37%    |
| 2/1/2022  | 216.12          | -4.44%   |
| 3/1/2022  | 221.77          | 2.61%    |
| 4/1/2022  | 213.13          | -3.90%   |
| 5/1/2022  | 212.17          | -0.45%   |
| 6/1/2022  | 196.89          | -7.20%   |
| 7/1/2022  | 212.11          | 7.73%    |
| 8/1/2022  | 198.71          | -6.32%   |
| 9/1/2022  | 177.65          | -10.60%  |
| 10/1/2022 | 207.16          | 16.61%   |
| 11/1/2022 | 217             | 4.75%    |
| 12/1/2022 | 207.76          | -4.26%   |
| 1/1/2023  | 230.21          | 10.81%   |
| 2/1/2023  | 219.94          | -4.46%   |
| 3/1/2023  | 225.46          | 2.51%    |
| 4/1/2023  | 232.73          | 3.22%    |
| 5/1/2023  | 221.03          | -5.03%   |
| 6/1/2023  | 237.48          | 7.44%    |

### NIFTY 50, INDEXNSE: NIFTY\_50

| Date      | NIFTY 50 Price | Change % |
|-----------|----------------|----------|
| 1/1/2020  | 167.21         | 0        |
| 2/1/2020  | 154.43         | -7.64%   |
| 3/1/2020  | 114.13         | -26.10%  |
| 4/1/2020  | 131.33         | 15.07%   |
| 5/1/2020  | 126.74         | -3.50%   |
| 6/1/2020  | 136.38         | 7.61%    |
| 7/1/2020  | 147.81         | 8.38%    |
| 8/1/2020  | 155.45         | 5.17%    |
| 9/1/2020  | 152.90         | -1.64%   |
| 10/1/2020 | 156.16         | 2.13%    |
| 11/1/2020 | 175.28         | 12.24%   |
| 12/1/2020 | 191.44         | 9.22%    |
| 1/1/2021  | 187.09         | -2.27%   |
| 2/1/2021  | 196.55         | 5.06%    |
| 3/1/2021  | 200.87         | 2.19%    |
| 4/1/2021  | 197.58         | -1.63%   |
| 5/1/2021  | 214.90         | 8.77%    |
| 6/1/2021  | 211.42         | -1.62%   |
| 7/1/2021  | 212.05         | 0.30%    |
| 8/1/2021  | 234.86         | 10.76%   |
| 9/1/2021  | 237.56         | 1.15%    |
| 10/1/2021 | 235.89         | -0.70%   |
| 11/1/2021 | 226.17         | -4.12%   |
| 12/1/2021 | 233.04         | 3.04%    |
| 1/1/2022  | 232.66         | -0.16%   |
| 2/1/2022  | 222.46         | -4.39%   |
| 3/1/2022  | 230.10         | 3.44%    |
| 4/1/2022  | 223.50         | -2.87%   |
| 5/1/2022  | 213.80         | -4.34%   |
| 6/1/2022  | 199.88         | -6.51%   |
| 7/1/2022  | 216.27         | 8.20%    |
| 8/1/2022  | 223.41         | 3.30%    |
| 9/1/2022  | 209.72         | -6.13%   |
| 10/1/2022 | 217.62         | 3.76%    |
| 11/1/2022 | 230.56         | 5.95%    |
| 12/1/2022 | 218.88         | -5.07%   |
| 1/1/2023  | 216.08         | -1.28%   |
| 2/1/2023  | 209.39         | -3.10%   |
| 3/1/2023  | 211.29         | 0.91%    |
| 4/1/2023  | 221.06         | 4.62%    |
| 5/1/2023  | 224.17         | 1.41%    |
| 6/1/2023  | 233.75         | 4.27%    |

| Date      | Visa Inc, Price | Change % |
|-----------|-----------------|----------|
| 7/1/2023  | 237.73          | 0.11%    |
| 8/1/2023  | 245.68          | 3.34%    |
| 9/1/2023  | 230.01          | -6.38%   |
| 10/1/2023 | 235.1           | 2.21%    |
| 11/1/2023 | 256.68          | 9.18%    |
| 12/1/2023 | 260.35          | 1.43%    |
| 1/1/2024  | 273.26          | 4.96%    |
| 2/1/2024  | 282.64          | 3.43%    |
| 3/1/2024  | 279.08          | -1.26%   |
| 4/1/2024  | 268.61          | -3.75%   |
| 5/1/2024  | 272.46          | 1.43%    |
| 6/1/2024  | 262.47          | -3.67%   |
| 7/1/2024  | 265.67          | 1.22%    |
| 8/1/2024  | 276.37          | 4.03%    |
| 9/1/2024  | 274.95          | -0.51%   |
| 10/1/2024 | 289.85          | 5.42%    |
| 11/1/2024 | 315.08          | 8.70%    |
| 12/1/2024 | 316.04          | 0.30%    |
| 1/1/2025  | 341.8           | 8.15%    |
| 2/1/2025  | 362.71          | 6.12%    |
| 3/1/2025  | 350.46          | -3.38%   |
| 4/1/2025  | 345.5           | -1.42%   |
| 5/1/2025  | 365.19          | 5.70%    |
| 6/1/2025  | 355.05          | -2.78%   |
| 7/1/2025  | 345.47          | -2.70%   |
| 8/1/2025  | 351.78          | 1.83%    |
| 9/1/2025  | 341.38          | -2.96%   |
| 10/1/2025 | 340.74          | -0.19%   |
| 11/1/2025 | 338.92          | -0.53%   |

| Date      | NIFTY 50 Price | Change % |
|-----------|----------------|----------|
| 7/1/2023  | 240.20         | 2.76%    |
| 8/1/2023  | 232.81         | -3.08%   |
| 9/1/2023  | 236.52         | 1.59%    |
| 10/1/2023 | 229.17         | -3.11%   |
| 11/1/2023 | 241.53         | 5.39%    |
| 12/1/2023 | 261.23         | 8.16%    |
| 1/1/2024  | 261.46         | 0.09%    |
| 2/1/2024  | 265.17         | 1.42%    |
| 3/1/2024  | 267.87         | 1.02%    |
| 4/1/2024  | 270.88         | 1.12%    |
| 5/1/2024  | 270.07         | -0.30%   |
| 6/1/2024  | 288.05         | 6.66%    |
| 7/1/2024  | 298.11         | 3.49%    |
| 8/1/2024  | 300.90         | 0.94%    |
| 9/1/2024  | 308.17         | 2.42%    |
| 10/1/2024 | 287.95         | -6.56%   |
| 11/1/2024 | 285.38         | -0.89%   |
| 12/1/2024 | 276.37         | -3.15%   |
| 1/1/2025  | 271.58         | -1.73%   |
| 2/1/2025  | 252.94         | -6.87%   |
| 3/1/2025  | 275.21         | 8.81%    |
| 4/1/2025  | 287.64         | 4.52%    |
| 5/1/2025  | 289.40         | 0.61%    |
| 6/1/2025  | 297.75         | 2.89%    |
| 7/1/2025  | 282.99         | -4.96%   |
| 8/1/2025  | 277.03         | -2.11%   |
| 9/1/2025  | 277.02         | 0.00%    |
| 10/1/2025 | 289.76         | 4.60%    |
| 11/1/2025 | 290.32         | 0.19%    |



### Annexure 3: T-Test Summary

Using the t-table, we find the value for a two-tailed test at the 0.03 significance level with 70 degrees of freedom

$$t = \frac{\beta_1 - b_1}{SE(\beta_1)}$$

#### T- Test

|                              |                                |       |
|------------------------------|--------------------------------|-------|
| <b>H0</b>                    | $b_1=0$                        |       |
| <b>H1</b>                    | $b_1$ is not = 0               |       |
| <b>b1</b>                    |                                | 0.93  |
| <b>Testing Value</b>         |                                | 0.00  |
| <b>s(b1)</b>                 |                                | 0.08  |
| <b>t</b>                     |                                | 11.44 |
| <b>DF</b>                    |                                | 70.00 |
| <b>Level of significance</b> |                                | 0.03  |
| <b>Critical Value t</b>      |                                | 1.99  |
| <b>Rejection Region</b>      | $t > 1.994$ , or, $t < -1.994$ |       |

Since the T- Value is higher than the critical value t of 1.994 and falls in the rejection region, we will reject the null h

### Annexure 4: F-Test Summary

The F-test checks if the slope coefficient is zero, testing  $H_0: \beta_1 = 0$  against  $H_1: \beta_1 \neq 0$ .

$$F = \frac{RSS/1}{SSE/(n-2)}$$

#### F- Test

|                   |                  |
|-------------------|------------------|
| <b>H0</b>         | $b_1=0$          |
| <b>H1</b>         | $b_1$ is not = 0 |
| <b>RSS</b>        | 133905.71        |
| <b>SSE</b>        | 70617.38         |
| <b>N-2</b>        | 69.00            |
| <b>F</b>          | 130.84           |
| <b>F(1,69) 5%</b> | 4.00             |

Since the F- Value is higher than 4, we reject the null hypothesis with high significance.

**Annexure 5: Visa Inc. Historical data (January 2020 to November 2025)**

**Visa Inc, NYSE: V**

| Date      | Price  | Open   | High   | Low    | Vol.    | Change % |
|-----------|--------|--------|--------|--------|---------|----------|
| 1/1/2020  | 198.97 | 189    | 210.13 | 187.16 | 184.07M | 5.89%    |
| 2/1/2020  | 181.76 | 199.94 | 214.17 | 172.98 | 199.96M | -8.65%   |
| 3/1/2020  | 161.12 | 186.32 | 194.49 | 133.93 | 418.01M | -11.36%  |
| 4/1/2020  | 178.72 | 156.32 | 182.25 | 150.6  | 263.80M | 10.92%   |
| 5/1/2020  | 195.24 | 174.45 | 198.29 | 171.72 | 189.88M | 9.24%    |
| 6/1/2020  | 193.17 | 194.71 | 202.18 | 186.21 | 192.26M | -1.06%   |
| 7/1/2020  | 190.4  | 193.85 | 200.95 | 187.18 | 168.92M | -1.43%   |
| 8/1/2020  | 211.99 | 191.8  | 216.16 | 190.08 | 161.60M | 11.34%   |
| 9/1/2020  | 199.97 | 212.21 | 217.35 | 193.13 | 176.38M | -5.67%   |
| 10/1/2020 | 181.71 | 202.21 | 207.97 | 179.23 | 172.18M | -9.13%   |
| 11/1/2020 | 210.35 | 184.51 | 217.65 | 183.89 | 156.69M | 15.76%   |
| 12/1/2020 | 218.73 | 212.13 | 220.39 | 204.5  | 178.61M | 3.98%    |
| 1/1/2021  | 193.25 | 220.25 | 220.25 | 192.81 | 198.38M | -11.65%  |
| 2/1/2021  | 212.39 | 195.14 | 220.53 | 195.02 | 197.05M | 9.90%    |
| 3/1/2021  | 211.73 | 214.97 | 228.23 | 205.78 | 228.91M | -0.31%   |
| 4/1/2021  | 233.56 | 213.78 | 237.5  | 212.3  | 152.92M | 10.31%   |
| 5/1/2021  | 227.3  | 234.05 | 235.74 | 220.31 | 127.25M | -2.68%   |
| 6/1/2021  | 233.82 | 229.44 | 238.48 | 226.28 | 151.65M | 2.87%    |
| 7/1/2021  | 246.39 | 234.2  | 252.67 | 234.05 | 157.83M | 5.38%    |
| 8/1/2021  | 229.1  | 246.24 | 247.83 | 228.66 | 148.47M | -7.02%   |
| 9/1/2021  | 222.75 | 229.1  | 233.33 | 216.31 | 175.67M | -2.77%   |
| 10/1/2021 | 211.77 | 224.17 | 236.96 | 208.54 | 170.24M | -4.93%   |
| 11/1/2021 | 193.77 | 213.49 | 221.61 | 192.55 | 303.97M | -8.50%   |
| 12/1/2021 | 216.71 | 196.03 | 219.73 | 190.1  | 189.15M | 11.84%   |
| 1/1/2022  | 226.17 | 217.52 | 228.12 | 195.65 | 224.97M | 4.37%    |
| 2/1/2022  | 216.12 | 226.9  | 235.85 | 201.45 | 171.78M | -4.44%   |
| 3/1/2022  | 221.77 | 214.48 | 228.81 | 186.67 | 189.04M | 2.61%    |
| 4/1/2022  | 213.13 | 223.08 | 229.24 | 201.1  | 151.96M | -3.90%   |
| 5/1/2022  | 212.17 | 211.77 | 214.8  | 189.95 | 171.89M | -0.45%   |
| 6/1/2022  | 196.89 | 212.05 | 217.58 | 185.91 | 128.12M | -7.20%   |
| 7/1/2022  | 212.11 | 196.79 | 218.07 | 194.14 | 118.60M | 7.73%    |
| 8/1/2022  | 198.71 | 208.45 | 217.61 | 198.64 | 130.18M | -6.32%   |
| 9/1/2022  | 177.65 | 198.72 | 207.19 | 174.83 | 142.72M | -10.60%  |
| 10/1/2022 | 207.16 | 179.34 | 211.52 | 174.6  | 160.73M | 16.61%   |
| 11/1/2022 | 217    | 208.91 | 217    | 193.32 | 157.87M | 4.75%    |
| 12/1/2022 | 207.76 | 217    | 219.98 | 202.13 | 136.79M | -4.26%   |
| 1/1/2023  | 230.21 | 209.28 | 232.84 | 206.16 | 127.62M | 10.81%   |
| 2/1/2023  | 219.94 | 229.37 | 234.3  | 217.46 | 94.46M  | -4.46%   |
| 3/1/2023  | 225.46 | 219.46 | 227.41 | 208.76 | 167.78M | 2.51%    |
| 4/1/2023  | 232.73 | 225.23 | 235.57 | 224.12 | 119.56M | 3.22%    |
| 5/1/2023  | 221.03 | 232.87 | 234.81 | 216.14 | 128.25M | -5.03%   |
| 6/1/2023  | 237.48 | 222.73 | 238.28 | 221.02 | 156.28M | 7.44%    |

| Date      | Price  | Open   | High   | Low    | Vol.    | Change % |
|-----------|--------|--------|--------|--------|---------|----------|
| 7/1/2023  | 237.73 | 237    | 245.37 | 227.68 | 113.73M | 0.11%    |
| 8/1/2023  | 245.68 | 237.14 | 248.23 | 235.24 | 101.04M | 3.34%    |
| 9/1/2023  | 230.01 | 247.47 | 250.06 | 227.92 | 114.07M | -6.38%   |
| 10/1/2023 | 235.1  | 229.24 | 241.48 | 227.78 | 129.13M | 2.21%    |
| 11/1/2023 | 256.68 | 236.14 | 256.77 | 235.68 | 131.30M | 9.18%    |
| 12/1/2023 | 260.35 | 255.79 | 263.25 | 252.14 | 110.00M | 1.43%    |
| 1/1/2024  | 273.26 | 259.61 | 279.99 | 256.86 | 120.41M | 4.96%    |
| 2/1/2024  | 282.64 | 273.39 | 286.13 | 272.76 | 101.44M | 3.43%    |
| 3/1/2024  | 279.08 | 283.2  | 290.96 | 276.16 | 122.86M | -1.26%   |
| 4/1/2024  | 268.61 | 280.36 | 283    | 268.29 | 147.98M | -3.75%   |
| 5/1/2024  | 272.46 | 268.15 | 282.38 | 266.5  | 171.40M | 1.43%    |
| 6/1/2024  | 262.47 | 273.09 | 280.39 | 261.25 | 180.29M | -3.67%   |
| 7/1/2024  | 265.67 | 263.79 | 273.62 | 252.7  | 163.93M | 1.22%    |
| 8/1/2024  | 276.37 | 266.33 | 276.99 | 254.51 | 190.35M | 4.03%    |
| 9/1/2024  | 274.95 | 276.37 | 293.07 | 268.23 | 166.28M | -0.51%   |
| 10/1/2024 | 289.85 | 276.97 | 296.34 | 273.24 | 128.71M | 5.42%    |
| 11/1/2024 | 315.08 | 288.49 | 316.37 | 287.19 | 116.98M | 8.70%    |
| 12/1/2024 | 316.04 | 316.9  | 321.61 | 306.64 | 131.69M | 0.30%    |
| 1/1/2025  | 341.8  | 317.78 | 351.25 | 303.84 | 118.04M | 8.15%    |
| 2/1/2025  | 362.71 | 340    | 364    | 339.24 | 117.97M | 6.12%    |
| 3/1/2025  | 350.46 | 363    | 366.54 | 326.38 | 162.21M | -3.38%   |
| 4/1/2025  | 345.5  | 350.44 | 350.45 | 299    | 158.35M | -1.42%   |
| 5/1/2025  | 365.19 | 345.58 | 369.15 | 340.12 | 112.93M | 5.70%    |
| 6/1/2025  | 355.05 | 362.77 | 375.51 | 334.92 | 153.10M | -2.78%   |
| 7/1/2025  | 345.47 | 353.82 | 359.66 | 344.39 | 130.42M | -2.70%   |
| 8/1/2025  | 351.78 | 344.1  | 353.42 | 328.7  | 125.79M | 1.83%    |
| 9/1/2025  | 341.38 | 349.31 | 352.63 | 333.47 | 131.71M | -2.96%   |
| 10/1/2025 | 340.74 | 340.31 | 355    | 334.17 | 128.84M | -0.19%   |
| 11/1/2025 | 338.92 | 340.15 | 342.02 | 333.2  | 39.89M  | -0.53%   |

# Annexure 6: Nifty 50 Index Historical data (January 2020 to November 2025)

## NIFTY 50, INDEXNSE: NIFTY 50

| Date      | Price     | Open      | High      | Low       | Vol.   | Change % | USD/INR | Price(USD) |
|-----------|-----------|-----------|-----------|-----------|--------|----------|---------|------------|
| 1/1/2020  | 11,962.10 | 12,202.15 | 12,430.50 | 11,929.60 | 11.93B | -1.70%   | 71.54   | 167.21     |
| 2/1/2020  | 11,201.75 | 11,939.00 | 12,246.70 | 11,175.05 | 11.19B | -6.36%   | 72.534  | 154.43     |
| 3/1/2020  | 8,597.75  | 11,387.35 | 11,433.00 | 7,511.10  | 21.30B | -23.25%  | 75.333  | 114.13     |
| 4/1/2020  | 9,859.90  | 8,584.10  | 9,889.05  | 8,055.80  | 12.74B | 14.68%   | 75.077  | 131.33     |
| 5/1/2020  | 9,580.30  | 9,533.50  | 9,598.85  | 8,806.75  | 13.68B | -2.84%   | 75.59   | 126.74     |
| 6/1/2020  | 10,302.10 | 9,726.85  | 10,553.15 | 9,544.35  | 16.78B | 7.53%    | 75.54   | 136.38     |
| 7/1/2020  | 11,073.45 | 10,323.80 | 11,341.40 | 10,299.60 | 14.64B | 7.49%    | 74.916  | 147.81     |
| 8/1/2020  | 11,387.50 | 11,057.55 | 11,794.25 | 10,882.25 | 14.04B | 2.84%    | 73.254  | 155.45     |
| 9/1/2020  | 11,247.55 | 11,464.30 | 11,618.10 | 10,790.20 | 13.45B | -1.23%   | 73.56   | 152.90     |
| 10/1/2020 | 11,642.40 | 11,364.45 | 12,025.45 | 11,347.05 | 11.60B | 3.51%    | 74.554  | 156.16     |
| 11/1/2020 | 12,968.95 | 11,697.35 | 13,145.85 | 11,557.40 | 13.11B | 11.39%   | 73.99   | 175.28     |
| 12/1/2020 | 13,981.75 | 13,062.20 | 14,024.85 | 12,962.80 | 12.08B | 7.81%    | 73.036  | 191.44     |
| 1/1/2021  | 13,634.60 | 13,996.10 | 14,753.55 | 13,596.75 | 13.02B | -2.48%   | 72.877  | 187.09     |
| 2/1/2021  | 14,529.15 | 13,758.60 | 15,431.75 | 13,661.75 | 14.31B | 6.56%    | 73.92   | 196.55     |
| 3/1/2021  | 14,690.70 | 14,702.50 | 15,336.30 | 14,264.40 | 11.36B | 1.11%    | 73.137  | 200.87     |
| 4/1/2021  | 14,631.10 | 14,798.40 | 15,044.35 | 14,151.40 | 9.64B  | -0.41%   | 74.05   | 197.58     |
| 5/1/2021  | 15,582.80 | 14,481.05 | 15,606.35 | 14,416.25 | 10.27B | 6.50%    | 72.511  | 214.90     |
| 6/1/2021  | 15,721.50 | 15,629.65 | 15,915.65 | 15,450.90 | 8.08B  | 0.89%    | 74.36   | 211.42     |
| 7/1/2021  | 15,763.05 | 15,755.05 | 15,962.25 | 15,513.45 | 6.00B  | 0.26%    | 74.337  | 212.05     |
| 8/1/2021  | 17,132.20 | 15,874.90 | 17,153.50 | 15,834.65 | 6.35B  | 8.69%    | 72.947  | 234.86     |
| 9/1/2021  | 17,618.15 | 17,185.60 | 17,947.65 | 17,055.05 | 6.96B  | 2.84%    | 74.164  | 237.56     |
| 10/1/2021 | 17,671.65 | 17,531.90 | 18,604.45 | 17,452.90 | 7.65B  | 0.30%    | 74.915  | 235.89     |
| 11/1/2021 | 16,983.20 | 17,783.15 | 18,210.15 | 16,782.40 | 5.85B  | -3.90%   | 75.09   | 226.17     |
| 12/1/2021 | 17,354.05 | 17,104.40 | 17,639.50 | 16,410.20 | 5.50B  | 2.18%    | 74.467  | 233.04     |
| 1/1/2022  | 17,339.85 | 17,387.15 | 18,350.95 | 16,836.80 | 5.44B  | -0.08%   | 74.529  | 232.66     |
| 2/1/2022  | 16,793.90 | 17,529.45 | 17,794.60 | 16,203.25 | 5.62B  | -3.15%   | 75.493  | 222.46     |
| 3/1/2022  | 17,464.75 | 16,593.10 | 17,559.80 | 15,671.45 | 7.96B  | 3.99%    | 75.901  | 230.10     |
| 4/1/2022  | 17,102.55 | 17,436.90 | 18,114.65 | 16,824.70 | 5.66B  | -2.07%   | 76.52   | 223.50     |
| 5/1/2022  | 16,584.55 | 16,924.45 | 17,132.85 | 15,735.75 | 6.34B  | -3.03%   | 77.569  | 213.80     |
| 6/1/2022  | 15,780.25 | 16,594.40 | 16,793.85 | 15,183.40 | 5.51B  | -4.85%   | 78.95   | 199.88     |
| 7/1/2022  | 17,158.25 | 15,703.70 | 17,172.80 | 15,511.05 | 5.48B  | 8.73%    | 79.336  | 216.27     |
| 8/1/2022  | 17,759.30 | 17,243.20 | 17,992.20 | 17,154.80 | 5.59B  | 3.50%    | 79.491  | 223.41     |
| 9/1/2022  | 17,094.35 | 17,485.70 | 18,096.15 | 16,747.70 | 6.90B  | -3.74%   | 81.509  | 209.72     |
| 10/1/2022 | 18,012.20 | 17,102.10 | 18,022.80 | 16,855.55 | 4.54B  | 5.37%    | 82.77   | 217.62     |
| 11/1/2022 | 18,758.35 | 18,130.70 | 18,816.05 | 17,959.20 | 5.26B  | 4.14%    | 81.359  | 230.56     |
| 12/1/2022 | 18,105.30 | 18,871.95 | 18,887.60 | 17,774.25 | 4.74B  | -3.48%   | 82.717  | 218.88     |
| 1/1/2023  | 17,662.15 | 18,131.70 | 18,251.95 | 17,405.55 | 5.63B  | -2.45%   | 81.739  | 216.08     |
| 2/1/2023  | 17,303.95 | 17,811.60 | 18,134.75 | 17,255.20 | 5.69B  | -2.03%   | 82.64   | 209.39     |
| 3/1/2023  | 17,359.75 | 17,360.10 | 17,799.95 | 16,828.35 | 5.62B  | 0.32%    | 82.16   | 211.29     |
| 4/1/2023  | 18,065.00 | 17,427.95 | 18,089.15 | 17,312.75 | 4.46B  | 4.06%    | 81.72   | 221.06     |
| 5/1/2023  | 18,534.40 | 18,124.80 | 18,662.45 | 18,042.40 | 5.74B  | 2.60%    | 82.68   | 224.17     |
| 6/1/2023  | 19,189.05 | 18,579.40 | 19,201.70 | 18,464.55 | 5.14B  | 3.53%    | 82.091  | 233.75     |

| Date      | Price     | Open      | High      | Low       | Vol.  | Change % | USD/INR | Price(USD) |
|-----------|-----------|-----------|-----------|-----------|-------|----------|---------|------------|
| 7/1/2023  | 19,753.80 | 19,246.50 | 19,991.85 | 19,234.40 | 5.80B | 2.94%    | 82.24   | 240.20     |
| 8/1/2023  | 19,253.80 | 19,784.00 | 19,795.60 | 19,223.65 | 6.25B | -2.53%   | 82.702  | 232.81     |
| 9/1/2023  | 19,638.30 | 19,258.15 | 20,222.45 | 19,255.70 | 5.67B | 2.00%    | 83.03   | 236.52     |
| 10/1/2023 | 19,079.60 | 19,622.40 | 19,849.75 | 18,837.85 | 4.25B | -2.84%   | 83.256  | 229.17     |
| 11/1/2023 | 20,133.15 | 19,064.05 | 20,158.70 | 18,973.70 | 4.42B | 5.52%    | 83.357  | 241.53     |
| 12/1/2023 | 21,731.40 | 20,194.10 | 21,801.45 | 20,183.70 | 6.12B | 7.94%    | 83.19   | 261.23     |
| 1/1/2024  | 21,725.70 | 21,727.75 | 22,124.15 | 21,137.20 | 6.82B | -0.03%   | 83.095  | 261.46     |
| 2/1/2024  | 21,982.80 | 21,780.65 | 22,297.50 | 21,530.20 | 6.73B | 1.18%    | 82.9    | 265.17     |
| 3/1/2024  | 22,326.90 | 22,048.30 | 22,526.60 | 21,710.20 | 6.74B | 1.57%    | 83.35   | 267.87     |
| 4/1/2024  | 22,604.85 | 22,455.00 | 22,783.35 | 21,777.65 | 6.28B | 1.24%    | 83.45   | 270.88     |
| 5/1/2024  | 22,530.70 | 22,567.85 | 23,110.80 | 21,821.05 | 6.71B | -0.33%   | 83.424  | 270.07     |
| 6/1/2024  | 24,010.60 | 23,337.90 | 24,174.00 | 21,281.45 | 7.75B | 6.57%    | 83.355  | 288.05     |
| 7/1/2024  | 24,951.15 | 23,992.95 | 24,999.75 | 23,992.70 | 7.09B | 3.92%    | 83.699  | 298.11     |
| 8/1/2024  | 25,235.90 | 25,030.95 | 25,268.35 | 23,893.70 | 6.33B | 1.14%    | 83.867  | 300.90     |
| 9/1/2024  | 25,810.85 | 25,333.60 | 26,277.35 | 24,753.15 | 6.16B | 2.28%    | 83.755  | 308.17     |
| 10/1/2024 | 24,205.35 | 25,788.45 | 25,907.60 | 24,073.90 | 6.33B | -6.22%   | 84.061  | 287.95     |
| 11/1/2024 | 24,131.10 | 24,302.75 | 24,537.60 | 23,263.15 | 5.89B | -0.31%   | 84.559  | 285.38     |
| 12/1/2024 | 23,644.80 | 24,140.85 | 24,857.75 | 23,460.45 | 5.45B | -2.02%   | 85.554  | 276.37     |
| 1/1/2025  | 23,508.40 | 23,637.65 | 24,226.70 | 22,786.90 | 6.46B | -0.58%   | 86.561  | 271.58     |
| 2/1/2025  | 22,124.70 | 23,528.60 | 23,807.30 | 22,104.85 | 5.65B | -5.89%   | 87.471  | 252.94     |
| 3/1/2025  | 23,519.35 | 22,194.55 | 23,869.60 | 21,964.60 | 6.24B | 6.30%    | 85.46   | 275.21     |
| 4/1/2025  | 24,334.20 | 23,341.10 | 24,457.65 | 21,743.65 | 7.66B | 3.46%    | 84.599  | 287.64     |
| 5/1/2025  | 24,750.70 | 24,311.90 | 25,116.25 | 23,935.75 | 8.55B | 1.71%    | 85.525  | 289.40     |
| 6/1/2025  | 25,517.05 | 24,669.70 | 25,669.35 | 24,473.00 | 7.06B | 3.10%    | 85.7    | 297.75     |
| 7/1/2025  | 24,768.35 | 25,551.35 | 25,608.10 | 24,598.60 | 6.28B | -2.93%   | 87.524  | 282.99     |
| 8/1/2025  | 24,426.85 | 24,734.90 | 25,153.65 | 24,337.50 | 5.87B | -1.38%   | 88.174  | 277.03     |
| 9/1/2025  | 24,611.10 | 24,432.70 | 25,448.95 | 24,432.70 | 5.98B | 0.75%    | 88.841  | 277.02     |
| 10/1/2025 | 25,722.10 | 24,620.55 | 26,104.20 | 24,605.95 | 6.24B | 4.51%    | 88.769  | 289.76     |
| 11/1/2025 | 25,694.95 | 25,696.85 | 25,802.10 | 25,318.65 | 1.55B | -0.11%   | 88.506  | 290.32     |

**Annexure 7: USD\_INR Historical Data**

| USD_INR Historical Data |       |       |       |       |          |
|-------------------------|-------|-------|-------|-------|----------|
| Date                    | Price | Open  | High  | Low   | Change % |
| 11/1/2025               | 88.51 | 88.72 | 88.81 | 88.34 | 0.00     |
| 10/1/2025               | 88.77 | 88.79 | 88.89 | 87.61 | 0.00     |
| 9/1/2025                | 88.84 | 88.18 | 88.94 | 87.66 | 0.01     |
| 8/1/2025                | 88.17 | 87.49 | 88.31 | 86.92 | 0.01     |
| 7/1/2025                | 87.52 | 85.70 | 87.85 | 85.18 | 0.02     |
| 6/1/2025                | 85.70 | 85.50 | 86.92 | 85.29 | 0.00     |
| 5/1/2025                | 85.53 | 84.61 | 86.12 | 83.77 | 0.01     |
| 4/1/2025                | 84.60 | 85.46 | 86.75 | 84.47 | -0.01    |
| 3/1/2025                | 85.46 | 87.45 | 87.45 | 85.40 | -0.02    |
| 2/1/2025                | 87.47 | 86.92 | 88.00 | 86.33 | 0.01     |
| 1/1/2025                | 86.56 | 85.63 | 86.73 | 85.60 | 0.01     |
| 12/1/2024               | 85.55 | 84.57 | 85.82 | 84.53 | 0.01     |
| 11/1/2024               | 84.56 | 84.08 | 84.64 | 84.03 | 0.01     |
| 10/1/2024               | 84.06 | 83.85 | 84.14 | 83.79 | 0.00     |
| 9/1/2024                | 83.76 | 83.88 | 84.02 | 83.44 | 0.00     |
| 8/1/2024                | 83.87 | 83.70 | 84.17 | 83.65 | 0.00     |
| 7/1/2024                | 83.70 | 83.38 | 83.81 | 83.35 | 0.00     |
| 6/1/2024                | 83.36 | 83.12 | 83.69 | 82.95 | 0.00     |
| 5/1/2024                | 83.42 | 83.47 | 83.57 | 83.02 | 0.00     |
| 4/1/2024                | 83.45 | 83.34 | 83.75 | 83.15 | 0.00     |
| 3/1/2024                | 83.35 | 82.93 | 83.73 | 82.65 | 0.01     |
| 2/1/2024                | 82.90 | 83.08 | 83.13 | 82.81 | 0.00     |
| 1/1/2024                | 83.10 | 83.24 | 83.36 | 82.77 | 0.00     |
| 12/1/2023               | 83.19 | 83.36 | 83.47 | 82.91 | 0.00     |
| 11/1/2023               | 83.36 | 83.28 | 83.50 | 82.91 | 0.00     |
| 10/1/2023               | 83.26 | 83.17 | 83.35 | 82.96 | 0.00     |
| 9/1/2023                | 83.03 | 82.65 | 83.36 | 82.58 | 0.00     |
| 8/1/2023                | 82.70 | 82.24 | 83.47 | 82.22 | 0.01     |
| 7/1/2023                | 82.24 | 82.06 | 82.82 | 81.67 | 0.00     |
| 6/1/2023                | 82.09 | 82.67 | 82.70 | 81.84 | -0.01    |
| 5/1/2023                | 82.68 | 81.80 | 82.95 | 81.65 | 0.01     |
| 4/1/2023                | 81.72 | 82.39 | 82.48 | 81.55 | -0.01    |
| 3/1/2023                | 82.16 | 82.59 | 82.92 | 81.61 | -0.01    |
| 2/1/2023                | 82.64 | 81.77 | 83.05 | 81.68 | 0.01     |
| 1/1/2023                | 81.74 | 82.67 | 83.04 | 80.87 | -0.01    |
| 12/1/2022               | 82.72 | 81.15 | 82.99 | 80.99 | 0.02     |
| 11/1/2022               | 81.36 | 82.82 | 83.00 | 80.48 | -0.02    |
| 10/1/2022               | 82.77 | 81.53 | 83.27 | 81.28 | 0.02     |
| 9/1/2022                | 81.51 | 79.54 | 82.02 | 79.01 | 0.03     |
| 8/1/2022                | 79.49 | 79.19 | 80.14 | 78.39 | 0.00     |
| 7/1/2022                | 79.34 | 78.97 | 80.24 | 78.81 | 0.00     |
| 6/1/2022                | 78.95 | 77.65 | 79.10 | 77.38 | 0.02     |

| Date      | Price | Open  | High  | Low   | Change % |
|-----------|-------|-------|-------|-------|----------|
| 5/1/2022  | 77.57 | 76.51 | 77.92 | 75.99 | 0.01     |
| 4/1/2022  | 76.52 | 75.93 | 76.81 | 75.27 | 0.01     |
| 3/1/2022  | 75.90 | 75.29 | 77.19 | 75.26 | 0.01     |
| 2/1/2022  | 75.49 | 74.56 | 75.85 | 74.34 | 0.01     |
| 1/1/2022  | 74.53 | 74.46 | 75.33 | 73.75 | 0.00     |
| 12/1/2021 | 74.47 | 75.08 | 76.42 | 74.09 | -0.01    |
| 11/1/2021 | 75.09 | 74.96 | 75.20 | 73.83 | 0.00     |
| 10/1/2021 | 74.92 | 74.19 | 75.68 | 74.08 | 0.01     |
| 9/1/2021  | 74.16 | 72.99 | 74.37 | 72.91 | 0.02     |
| 8/1/2021  | 72.95 | 74.37 | 74.51 | 72.91 | -0.02    |
| 7/1/2021  | 74.34 | 74.37 | 75.03 | 74.22 | 0.00     |
| 6/1/2021  | 74.36 | 72.51 | 74.47 | 72.48 | 0.03     |
| 5/1/2021  | 72.51 | 74.28 | 74.33 | 72.32 | -0.02    |
| 4/1/2021  | 74.05 | 73.17 | 75.57 | 73.16 | 0.01     |
| 3/1/2021  | 73.14 | 73.59 | 73.78 | 72.27 | -0.01    |
| 2/1/2021  | 73.92 | 72.92 | 74.06 | 72.26 | 0.01     |
| 1/1/2021  | 72.88 | 73.10 | 73.60 | 72.79 | 0.00     |
| 12/1/2020 | 73.04 | 74.03 | 74.10 | 72.95 | -0.01    |
| 11/1/2020 | 73.99 | 74.57 | 75.02 | 73.64 | -0.01    |
| 10/1/2020 | 74.55 | 73.60 | 74.71 | 72.97 | 0.01     |
| 9/1/2020  | 73.56 | 73.22 | 74.06 | 72.75 | 0.00     |
| 8/1/2020  | 73.25 | 74.92 | 75.31 | 73.05 | -0.02    |
| 7/1/2020  | 74.92 | 75.53 | 75.63 | 74.49 | -0.01    |
| 6/1/2020  | 75.54 | 75.47 | 76.40 | 74.97 | 0.00     |
| 5/1/2020  | 75.59 | 75.32 | 76.15 | 75.04 | 0.01     |
| 4/1/2020  | 75.08 | 75.32 | 77.01 | 74.91 | 0.00     |
| 3/1/2020  | 75.33 | 72.53 | 76.39 | 72.03 | 0.04     |
| 2/1/2020  | 72.53 | 71.53 | 72.57 | 71.09 | 0.01     |
| 1/1/2020  | 71.54 | 71.37 | 72.13 | 70.68 | 0.00     |