

# Bajaj Finance Stock Analysis Power BI Dashboard

**Title:** Bajaj Finance Stock Analysis Dashboard in Power BI

**Dashboard:**



## Introduction:

This project involves creating an interactive Power BI dashboard to analyze the stock performance of Bajaj Finance Limited (NSE: BAJFINANCE). The dashboard will provide real-time insights into stock prices, historical data, and key financial metrics, aiding investors and analysts in making informed decisions.

## Objectives:

- Develop a user-friendly dashboard to visualize Bajaj Finance's stock performance.
- Integrate real-time stock price updates and historical data.
- Provide tools for technical and fundamental analysis.
- Enable users to customize views based on specific time frames and data points.

## Scope of Work:

- **Data Integration:** Connect to reliable data sources for real-time and historical stock information, such as [Yahoo Finance](#) or [NSE India](#).
- **Dashboard Design:** Create visualizations including line charts for stock prices, bar charts for volume, and tables for financial metrics.
- **Interactivity:** Implement features like date range filters, drill-down capabilities, and tooltips for detailed data exploration.
- **Deployment:** Share the dashboard through Power BI Service for web access or export it as a report.

## Features:

- **Real-Time Data:** Display the latest stock price with indicators for market open, close, high, and low.
- **Historical Analysis:** Provide historical price data over various periods (daily, weekly, monthly) to identify trends.
- **Technical Indicators:** Include moving averages, RSI, and other indicators for technical analysis.
- **Financial Metrics:** Present key financial ratios and data points, such as P/E ratio, earnings per share, and market capitalization.
- **News Integration:** Incorporate recent news articles related to Bajaj Finance to provide context to the data.

## Methodology:

- **Data Collection:** Utilize APIs or web scraping techniques to gather data from financial websites.
- **Data Transformation:** Clean and format the data to be compatible with Power BI.
- **Modeling:** Establish relationships between data tables for seamless interaction within the dashboard.
- **Visualization:** Design intuitive charts and graphs that align with the project's objectives.

### **Tools and Technologies:**

- **Power BI Desktop:** For designing and developing the dashboard.
- **Data Sources:** [Yahoo Finance](#), [NSE India](#), and other reputable financial data providers.
- **DAX Language:** For data modeling and creating calculated measures.
- **Power BI Service:** To publish and share the dashboard.

### **Conclusion:**

By developing this Power BI dashboard, users will have access to a comprehensive tool for analyzing Bajaj Finance's stock performance. It will facilitate informed decision-making by providing real-time data, historical trends, and essential financial metrics in an interactive format.