# NVIDIA (NVDA) Stock Performance Analysis Dashboard

This Power BI stock dashboard offers a detailed breakdown of NVIDIA’s (NVDA) historical and recent stock performance, aiming to help investors, analysts, and learners extract actionable insights. Below are the key components and visualizations used in the report:

## 📈 1. 30-Day Forecast of Closing Stock Prices

**Description:** This visual displays a projected trend of NVDA’s closing prices over the next 30 days using built-in Power BI forecasting features.

**Purpose:** To anticipate near-term price movements and evaluate short-term trends.

**Benefits:** Helps traders identify potential opportunities and risk levels in upcoming trading sessions.

## 📊 2. Quarterly NVDA Volume vs Close Price Trend

**Description:** A combined column and line chart representing total traded volume against average quarterly closing prices.

**Purpose:** To understand the correlation between trading volume and price movement across quarters.

**Benefits:** Reveals investor activity patterns and buying/selling pressure during specific quarters.

## 📈 3. Quarter-over-Quarter Performance of NVDA Stock

**Description:** Stacked column chart showing the percentage gain or loss in stock price each quarter.

**Purpose:** To compare performance across quarters and highlight the strongest/weakest periods.

**Benefits:** Easy identification of growth trends and volatile time frames.

## 🎯 4. Volatility Status & Gauge

**Description:** Custom radial gauge and dynamic text card display the average daily volatility with indicators: - 🔴 High Volatility ( >6%) - 🟡 Moderate Volatility (3-6%) - 🟢 Low Volatility (<3%)

**Purpose:** To reflect the consistency or fluctuation in stock movement.

**Benefits:** Informs investors about risk levels and periods of market uncertainty.

## 📉 5. NVIDIA (NVDA) Stock Price Action (Candlestick View)

**Description:** Candlestick chart visualizing the Open, High, Low, and Close (OHLC) prices per time period (filtered by year).

**Purpose:** To track the full price range behavior of the stock within selected time frames.

**Benefits:** Supports detailed technical analysis using price action insights.

## 🧮 6. Key KPIs & Metrics

### ➤ Latest Close Price:

Displays the most recent closing price of NVDA stock.

### ➤ Latest Open Price:

Tracks the most recent day’s opening price.

### ➤ Daily Change % (Open vs Close):

Measures percentage change between latest open and close prices, indicating daily performance.

### ➤ Average Daily Volatility:

Shows the average of daily (High - Low)/Low over the selected period.

### ➤ Volatility Status Text:

Displays a color-coded status message (High/Moderate/Low) based on the volatility percentage.

**Purpose:** To summarize key financial indicators on a single glance.

**Benefits:** Provides high-level summary of current stock behavior for decision-making.

## 📅 7. Interactive Features

### ✅ Year and Month Slicers:

Allow users to dynamically filter data visuals by selected year and month.

### 📌 Bookmarks for 2025 Q3:

Focused bookmark applied to highlight and analyze NVDA stock activity during Q3 2025.

**Benefits:** Empowers users to drill down into specific timeframes and analyze trends with precision.

## 📌 Suggested Dashboard Title:

**“NVIDIA (NVDA) Stock Analysis: Trends, Volatility, and Technical Insights”**