



How to Use Geenie

Core Risk Engine & Monte Carlo Projections

By Jamshid farook

1 Download Historical Data from NSE

1. Go to **NSE India:**

<https://www.nseindia.com/>

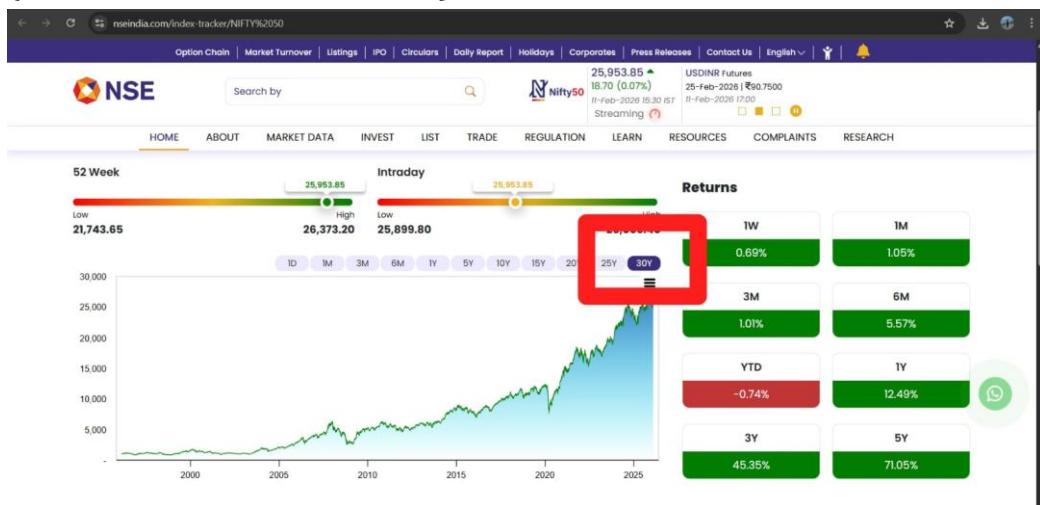
2. Open any company or index you would like to analyze.

(Example used in this guide: **NIFTY 50**)

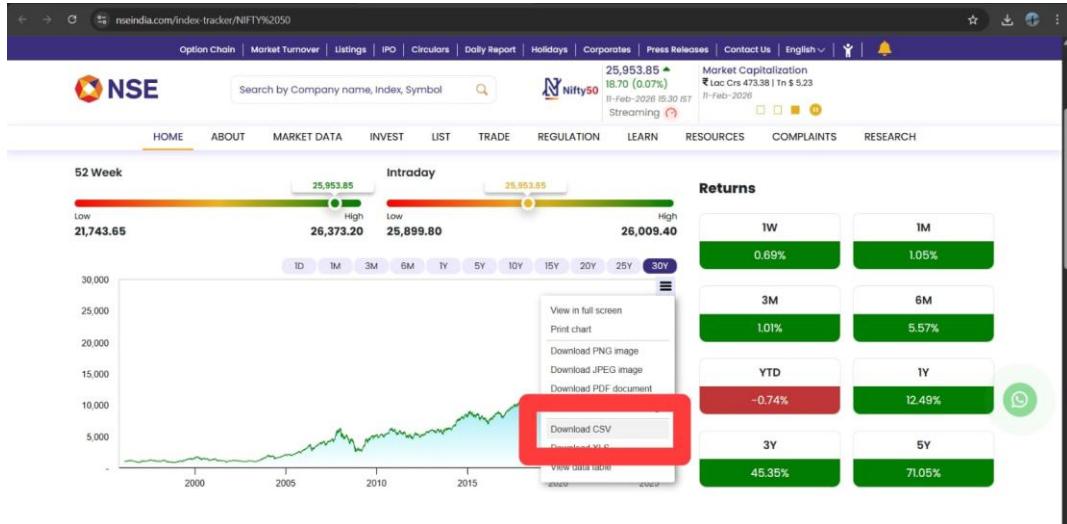
<https://www.nseindia.com/index-tracker/NIFTY%2050>

3. Set the time period to “**MAX**” to download the full available historical dataset

(See screenshot below)



4. Click Download CSV *(See screenshot below)*



You now have the historical price dataset required for Geenie.

2 Upload Data into Geenie

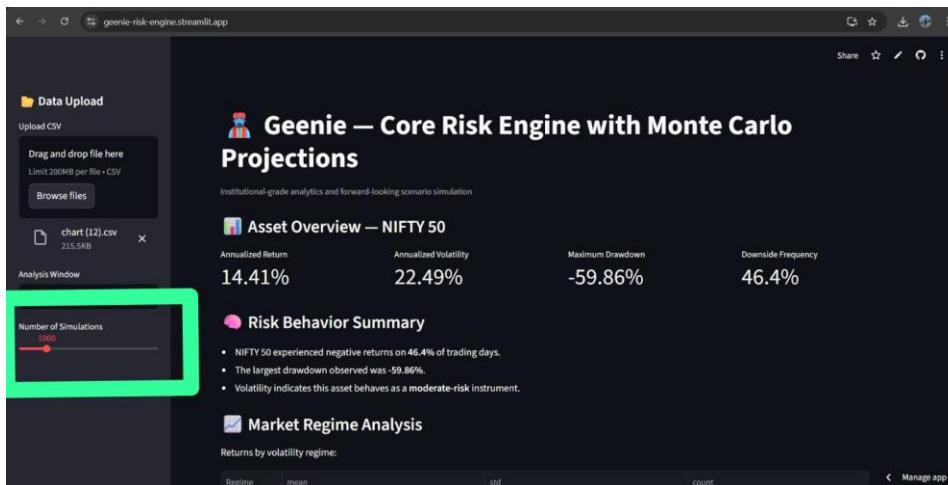
1. Open the Geenie application.

<https://geenie-risk-engine.streamlit.app>

2. In the sidebar, click **Browse files** then **Upload CSV** that downloaded earlier.

3. Select the downloaded file.

4. After uploading, wait until the “**Number of Simulations**” slider appears in the sidebar.

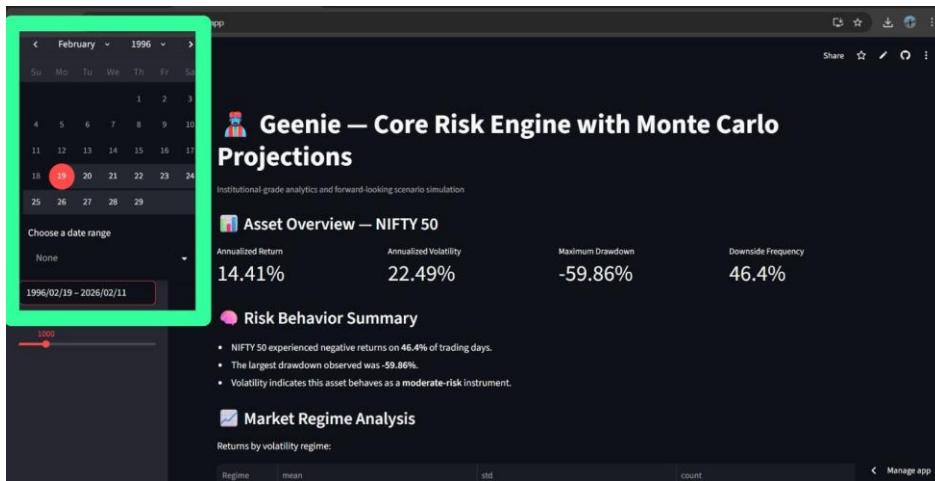


When the simulation slider appears, the dataset has fully loaded and analysis is ready.

3 Select Analysis Window

In the sidebar:

- Use the **Analysis Window** date selector.



- Choose the start and end dates based on your desired time period.
- The dashboard will automatically update.

This allows you to analyze different market cycles or stress periods.

5 About the Maker



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Data Analyst

Detail-oriented Data Analyst with hands-on experience in Python, SQL, Excel, and data visualization tools. IBM Data Analyst Certified with proven experience in dashboards, real-world datasets, and actionable insights.

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6 Support the Project

If Geenie has helped you and you would like to support further development, you may choose to tip via the provided GPay QR scanner.



Your support is appreciated and helps improve future versions.