



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/>

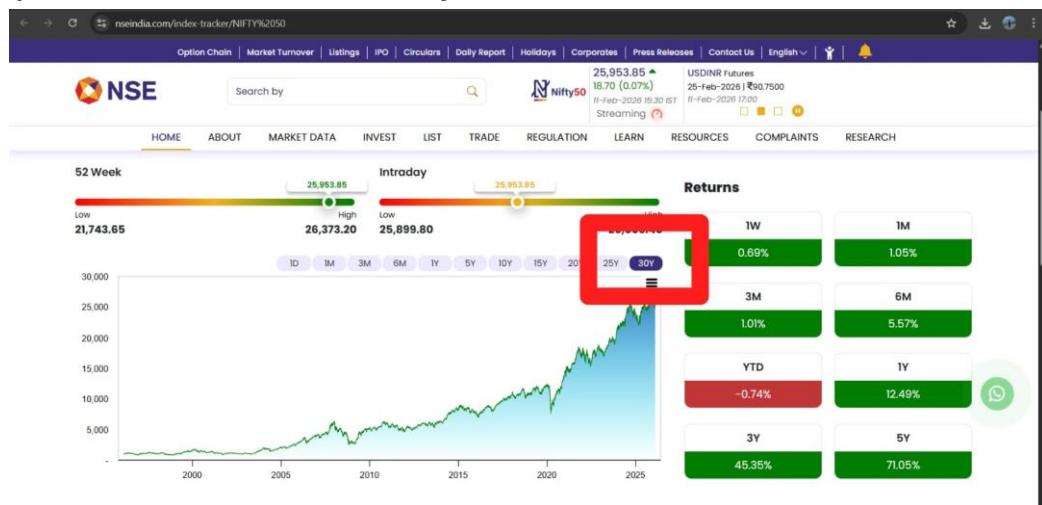
2. Open any company or index you would like to analyze.

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

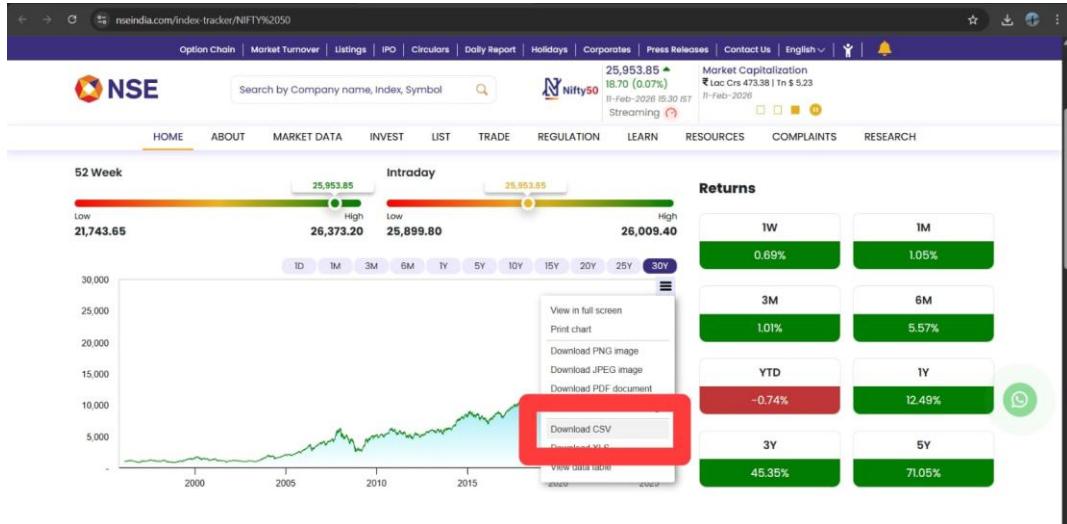
<https://www.nseindia.com/index-tracker/NIFTY%2050>

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

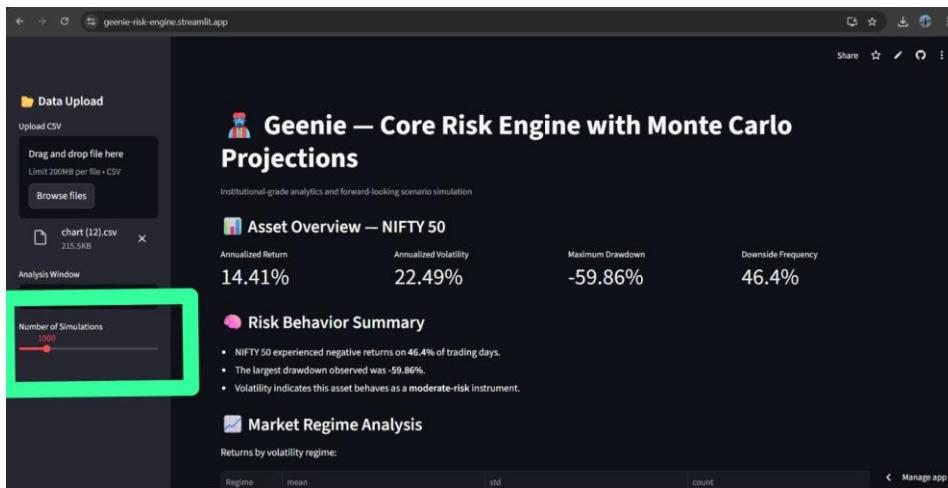
1. Open the Geenie application.

<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.

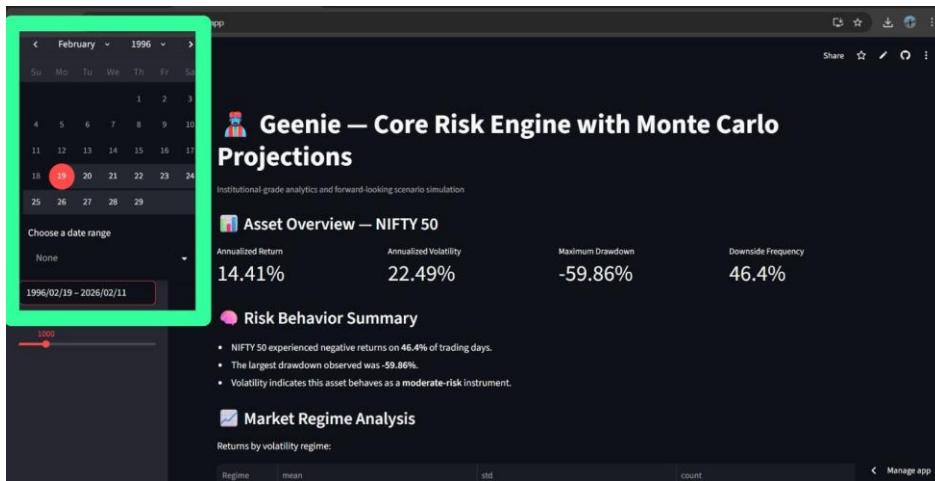


When the simulation slider appears, the dataset has fully loaded and analysis is ready.

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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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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