GANN Based Index Momentum Strategy

BACKTESTED ON TRADETRON

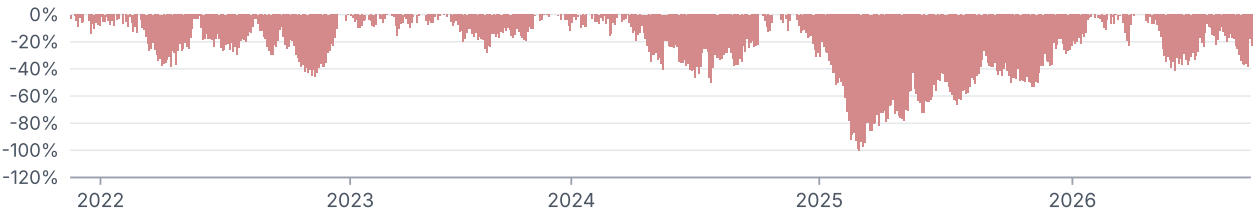
NIFTY index options, intraday option buying. 5-year backtest on Tradetron, 4 Nov 2021 – 30 Sep 2026, 2 lots (130 qty).
All returns are on ₹1,00,000 capital, net of statutory charges and 0.05% slippage.

NET P&L	CAGR	TOTAL RETURN	MAX DRAWDOWN	CALMAR	AVG MONTH
₹2,95,382	32.4%	295%	100.4%	0.32	5.0%
after all charges	on ₹1,00,000	4.9 years	−₹1,00,442 from peak	CAGR ÷ max DD	35 of 59 months positive

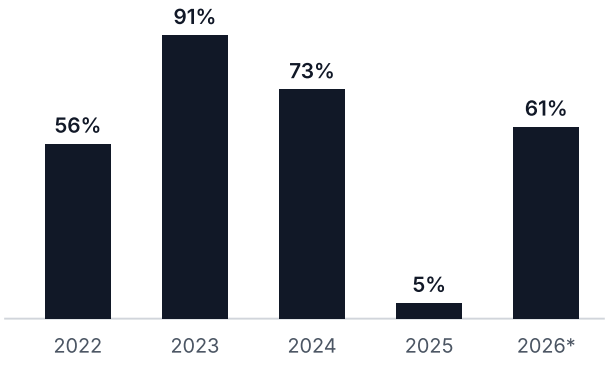
EQUITY CURVE · ₹1,00,000 START



DRAWDOWN · % OF CAPITAL



NET RETURN BY YEAR



YEAR-WISE P&L

YEAR	GROSS	NET	RETURN
2021 (Nov–Dec)	₹9,760	₹8,545	+8.5%
2022	₹66,706	₹56,069	+56.1%
2023	₹97,708	₹90,876	+90.9%
2024	₹84,760	₹73,462	+73.5%
2025	₹15,496	₹4,962	+5.0%
2026 (Jan–Sep)	₹70,278	₹61,469	+61.5%
Total	**₹3,44,708**	**₹2,95,382**	**+295.4%**

* 2026 covers Jan–Sep

MONTHLY NET RETURN · % OF ₹1,00,000

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2021	–	–	–	–	–	–	–	–	–	–	-2.0	+10.5	+8.5%
2022	+12.1	+16.3	-17.9	-5.7	+5.7	+1.6	-5.7	+22.8	-15.8	-12.3	-1.7	+56.7	+56.1%
2023	-3.6	+18.9	+18.1	+10.8	+8.4	+8.0	-10.6	-0.5	-0.2	+23.8	+16.4	+1.4	+90.9%
2024	+26.3	-1.1	+18.8	-7.4	-22.9	+1.5	+9.2	-2.9	+10.4	+16.0	+36.2	-10.6	+73.5%
2025	-21.9	-43.3	+21.1	-2.2	+9.4	+22.3	-20.1	+24.6	-3.3	-8.3	+15.9	+10.7	+5.0%
2026	+21.1	+3.6	+27.9	+24.5	-34.4	+8.5	+14.7	+1.4	-5.8	–	–	–	+61.5%

MONTH STATISTICS

Positive months	**35 / 59**
Best month	**Dec 2022 · +56.7%**
Worst month	**Feb 2025 · -43.3%**
Average month	**+5.0%**
Days with trades	**663**
Profitable days	**324 (49%)**

TRADE STATISTICS

Round trips	**796**
Win rate	**47.9%**
Average win / loss	**₹4,444 / −₹3,368**
Profit factor	**1.21**
Expectancy per trade	**₹371**
Best / worst trade	**₹22,808 / −₹14,527**
Longest win / loss streak	**6 / 9 days**
Sharpe / Sortino	**0.96 / 1.64**

FIVE DEEPEST DRAWDOWNS · NET

START	TROUGH	RECOVERED	DAYS	DEPTH	% OF CAPITAL
02 Dec 2024	27 Feb 2025	04 Feb 2026	429	−₹1,00,442	-100.4%
13 Mar 2024	12 Aug 2024	22 Oct 2024	223	−₹50,140	-50.1%
09 Mar 2022	16 Nov 2022	21 Dec 2022	287	−₹45,712	-45.7%
09 Apr 2026	27 May 2026	Not yet	174	−₹41,811	-41.8%
20 Jun 2023	11 Aug 2023	25 Oct 2023	127	−₹28,307	-28.3%

EXIT BREAKDOWN · GROSS

Profitable & square-off exits (484 trades)	+₹13,76,528
Stop-loss exits (312 trades)	−₹10,31,820
Net of both	**₹3,44,708**

MARGIN (ESTIMATED)

Peak capital used	**₹71,877**
Average capital used	**₹23,773**
Capital assumed in this report	**₹1,00,000**

CHARGES OVER 4.9 YEARS

Slippage (0.05%)	**₹17,002**
STT	**₹14,595**
Exchange transaction	**₹14,563**
GST	**₹2,627**
Stamp duty + SEBI	**₹539**
Brokerage	**₹0 (not modelled)**
Total charges	**₹49,326**
Gross → Net	**₹3,44,708 → ₹2,95,382**

NOTES

- Rupee P&L is for a fixed 2-lot (130 qty) position size. Every percentage here is calculated on ₹1,00,000; the peak premium used in the backtest was ₹71,877 (average ₹23,773).
- Option buying risks the full premium paid on each trade. Losing streaks happen — the deepest drawdown in this period was ₹1,00,442 (100.4% of starting capital), measured from the equity peak, and took over a year to recover.
- All 4.9 years use today's NIFTY lot size of 65; historical lot sizes were different.
- 4 sessions in the window had no data and were skipped; totals cover a marginally shorter period.
- Brokerage is not included; add your broker's per-order fee.

DISCLAIMER

This report shows hypothetical results from a backtest run on Tradetron. It is not a record of live trading and does not guarantee future returns. Backtests cannot fully capture slippage, liquidity, gap risk or execution delays. Option buying can lose the entire premium paid. Derivatives trading involves substantial risk; trade only with capital you can afford to lose.