

RH Alfabots India 50

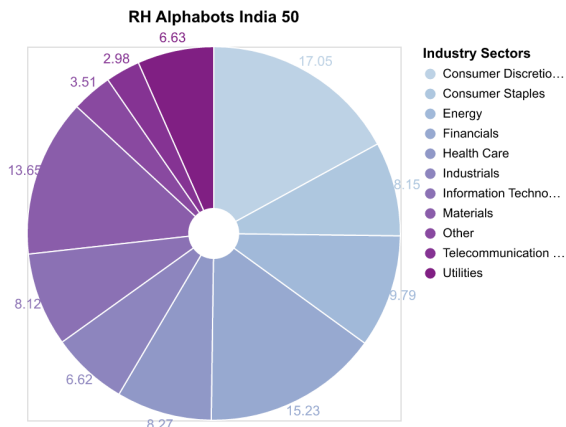
Inception date January 2014

Description

This model has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the benchmark, which is concentrated and weight obsessive. Unlike market capitalization methodology, which is risk-increasing and return-reducing due to its concentration, the 3N methodology developed by AlphaBlock is designed to deliver higher risk-weighted excess returns while maintaining low tracking error versus the respective benchmark.

1.RH Alfabots India 50

1.1. Sector Breakdown (percentage)

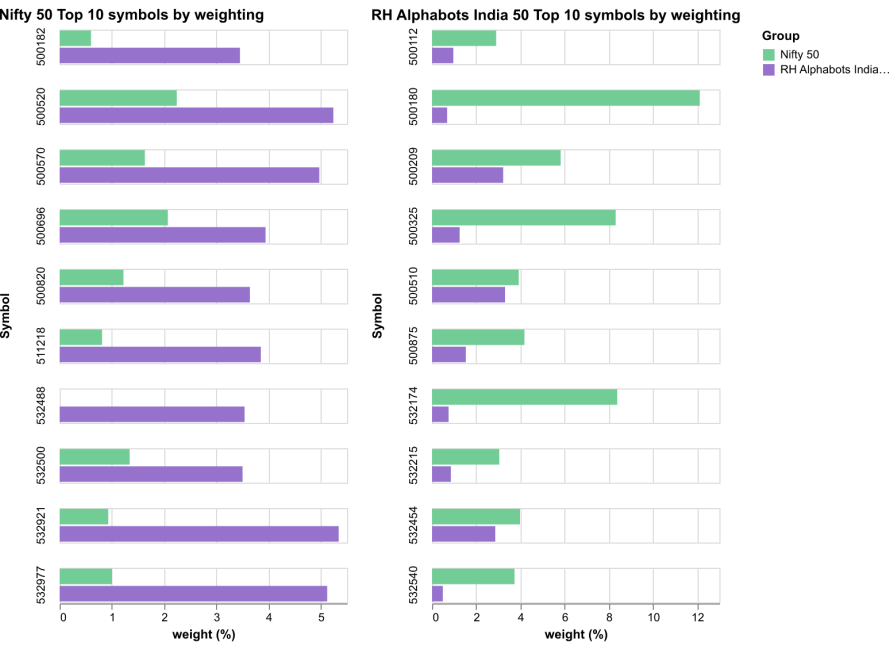


1.2. Top 10 Components

Nr./Symbol	Name	Current Price	RH Alfabots India 50 Proportion(%)	Nifty 50 Proportion(%)
1 532921	Adani Ports And Special Economic Zone Ltd	1453.60	5.34	0.93
2 500520	Mahindra & Mahindra Ltd.	3497.25	5.24	2.24
3 532977	Bajaj Auto Limited	9008.00	5.12	1.00
4 500570	Tata Motors Ltd.	390.75	4.97	1.63
5 500696	Hindustan Unilever Ltd.,	2520.50	3.94	2.07
6 511218	Shriram Finance Limited	677.00	3.85	0.81
7 500820	Asian Paints Ltd.	2374.15	3.64	1.22
8 532488	Divi'S Laboratories Ltd.	6560.50	3.54	0.00
9 532500	Maruti Suzuki India Ltd.	16219.60	3.50	1.34
10 500182	Hero Motocorp Limited	5532.30	3.45	0.60

*In case components hit maximum weight constraints they are rebalanced back to lower inception weights.

1.3. Top 10 Comparisons

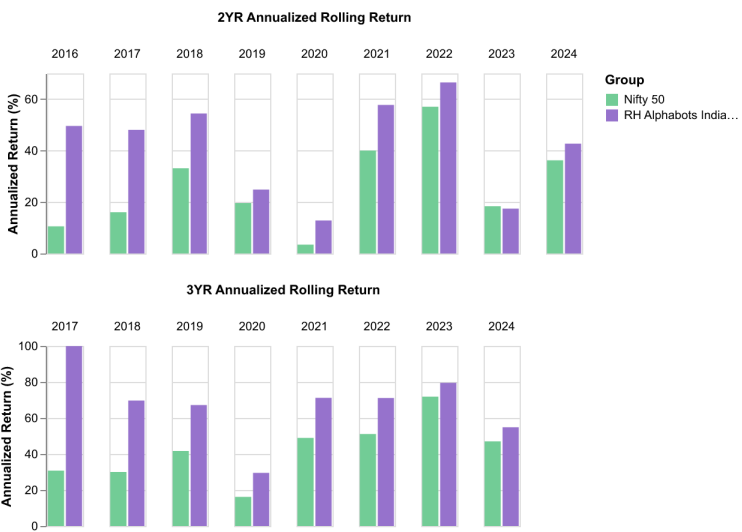


1.5. Performance Metrics

The table illustrates the performance across various parameters. The Performance (%) of Portfolio from different starting points, Current portfolio value of the funds invested at inception, Annualized (%) Returns, Annualized Standard Deviation (%), Average Tracking Error (%) and Average Information Ratio (%).

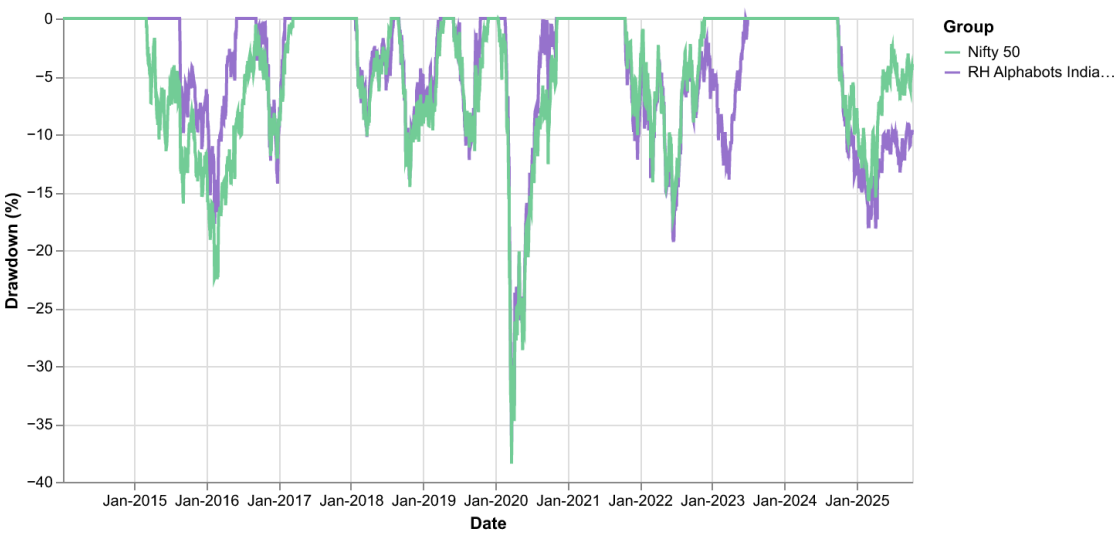
Nr./Name		RH Alphabots India 50	Nifty 50
1	Performance (%) since January 2014	658.56	306.72
2	Performance (%) since January 2016	343.38	216.9
3	Performance (%) since January 2020	125.84	106.7
4	Performance (%) since January 2024	8.92	15.82
5	Current Portfolio Value (Invested in January 2014)	758.56	406.72
6	Annualized (%) Return (Since January 2014)	19.61	13.62
7	Annualized Std. Deviation (%)	15.82	15.73
8	Average Tracking Error (%)	6.58	-
9	Average Information Ratio	0.05	-

1.6. Annualized Rolling Return



1.7. Drawdown Analysis

A daily time series plot illustrating drawdowns of more than 10% from peak equity.



Nr./Portfolio Drawdowns (%)					Nr./Benchmark Drawdowns (%)				
	Start date	End date	Maximum (%)	Days		Start date	End date	Maximum (%)	Days
1	- 20-Aug-15	1-Jun-16	-17.73	286	1	- 4-Mar-15	13-Mar-17	-22.52	740
2	- 9-Sep-16	31-Jan-17	-14.26	144	2	- 30-Jan-18	23-Jul-18	-10.17	174
3	- 24-Jan-18	6-Aug-18	-10.23	194	3	- 29-Aug-18	15-Apr-19	-14.55	229
4	- 3-Sep-18	28-Mar-19	-13.88	206	4	- 4-Jun-19	26-Nov-19	-11.45	175
5	- 4-Jun-19	17-Oct-19	-12.22	135	5	- 15-Jan-20	6-Nov-20	-38.44	296
6	- 20-Feb-20	4-Nov-20	-37.54	258	6	- 19-Oct-21	23-Nov-22	-17.23	400
7	- 19-Oct-21	29-Jun-23	-19.29	618	7	- 27-Sep-24	9-Oct-25	-15.77	377
8	- 30-Sep-24	9-Oct-25	-18.13	374					

About the Fund Manager

Born in New Delhi, Mukul Pal has spent the past 25 years developing quantitative investment strategies for active managers across the globe. He began his career at the Bombay Stock Exchange, supporting major Indian financial institutions, before expanding his advisory practice to Europe, where he worked with asset managers and the securities arms of global banks. Holding two master's degrees-in finance and statistics-he also earned the Chartered Market Technician (CMT) and Chartered Alternative Investment Analyst (CAIA) designations. His significant contributions to financial technology have earned him recognition from MIT, and he has been invited to speak at prominent conferences worldwide, including the Princeton-Chicago Quant Conference. He has also played a pivotal role in bringing financial innovations to NASDAQ.

Mukul is the author of End of Passive Investing: Story of the Hidden Bias, a groundbreaking work that challenges conventional investment narratives and offers a statistical framework for overcoming market concentration and bias. Today, he leads a deep tech firm in Toronto, delivering advanced solutions that help active managers worldwide achieve market outperformance.

Bibliography

- [1] Matia, Kaushik and Pal, Mukul and Stanley, H. Eugene and Salunkay, H., Scale-Dependent Price Fluctuations for the Indian Stock Market. EuroPhysics Letters, Aug 2003
- [2] M. Pal, M. Shah, A. Mitroi, Temporal Changes in Shiller's Exuberance Data, SSRN, Feb 2011
- [3] M. Pal, Mean Reversion Framework, SSRN, May 2015
- [4] M. Pal, Markov and the Mean Reversion Framework, SSRN, May 2015
- [5] M. Pal, Momentum and Reversion, Aug 2015
- [6] M. Pal, What is Value, SSRN, Sep 2015
- [7] M. Pal, M. Ferent, Stock Market Stationarity, SSRN, Sep 2015
- [8] M. Pal, Reversion Diversion Hypothesis, SSRN, Nov 2015
- [9] M. Pal, How Physics Solved your wealth problem, SSRN, Oct 2016
- [10] M. Pal, Human AI, SSRN, Jul 2017
- [11] M. Pal, The Size Proxy, Aug 2017
- [12] M. Pal, The Beta Maths, SSRN, Mar 2017
- [13] Maureen, O. Bhattacharya, A. ETFs and Systematic Risk. CFA Research Institute, Jan 2020
- [14] M. Pal, [3N] model of life, SSRN, Apr 2021
- [15] M. Pal, The S&P 500 Myth, SSRN, Jul 2022
- [16] M. Pal, The Snowball Effect, SSRN, Jul 2022
- [17] M. Pal, Mechanisms of Psychology, SSRN, Jun 2022
- [18] M. Pal, The [3N] model of life, SSRN, Feb 2023
- [19] M. Pal, R. Fenesi, O.D. Cigan, A.G. Berciu, R.C. Tiric, F. Pal, D. Todor, E.H. Dulf, Revolutionizing Active Investing With Machine Learning, SSRN, Jan 2024
- [20] M. Pal, R.C. Tiric, F. Pal, Machine Beta, Statistical Factors, Non-Linear Mechanisms And The [3N] Methodology, SSRN, Jan 2024



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