# CODE 2 TRADE

## HACKATHON 2025

Sponsored By:

MARKET MAYA

ATMIYA UNIVERSITY
RAJKOT, GUJARAT (INDIA)

Organized By:

Multiicon

# What is the Hackathon About?

Participants will work on 2 years of historical trading data from 50 different scripts.

## The Challenge:

Find the **best analytical pattern** that can help improve AI-driven trading decisions.

## Pattern Focus:

Moving Average Crossover

# Your Task

### Step 1

Download the **2-year historical data (.rar file)** that includes 50 scripts.

### Step 2

Apply the Moving Average Crossover strategy. Use a **20-30-period crossover** to identify trading signals.

### Step 3

Run a Backtest on the data. Generate the output result showing **profit/loss, signals, and efficiency.**

### Demo Code


```
{
    "status": "success",
    "data": {
        "candles": [
            [
                "2024-01-01T09:15:00+0530",
                2212, -> Open
                2219.4, -> High
                2211.35, -> Low
                2214.35, -> Close
                3427 -> Volume
            ],
            [
                "2024-01-01T09:16:00+0530",
                2214,
                2216.15,
                2212,
                2212,
                6471
            ],
```

What is

# Moving Average Crossover?

It's a **technical analysis indicator** where:

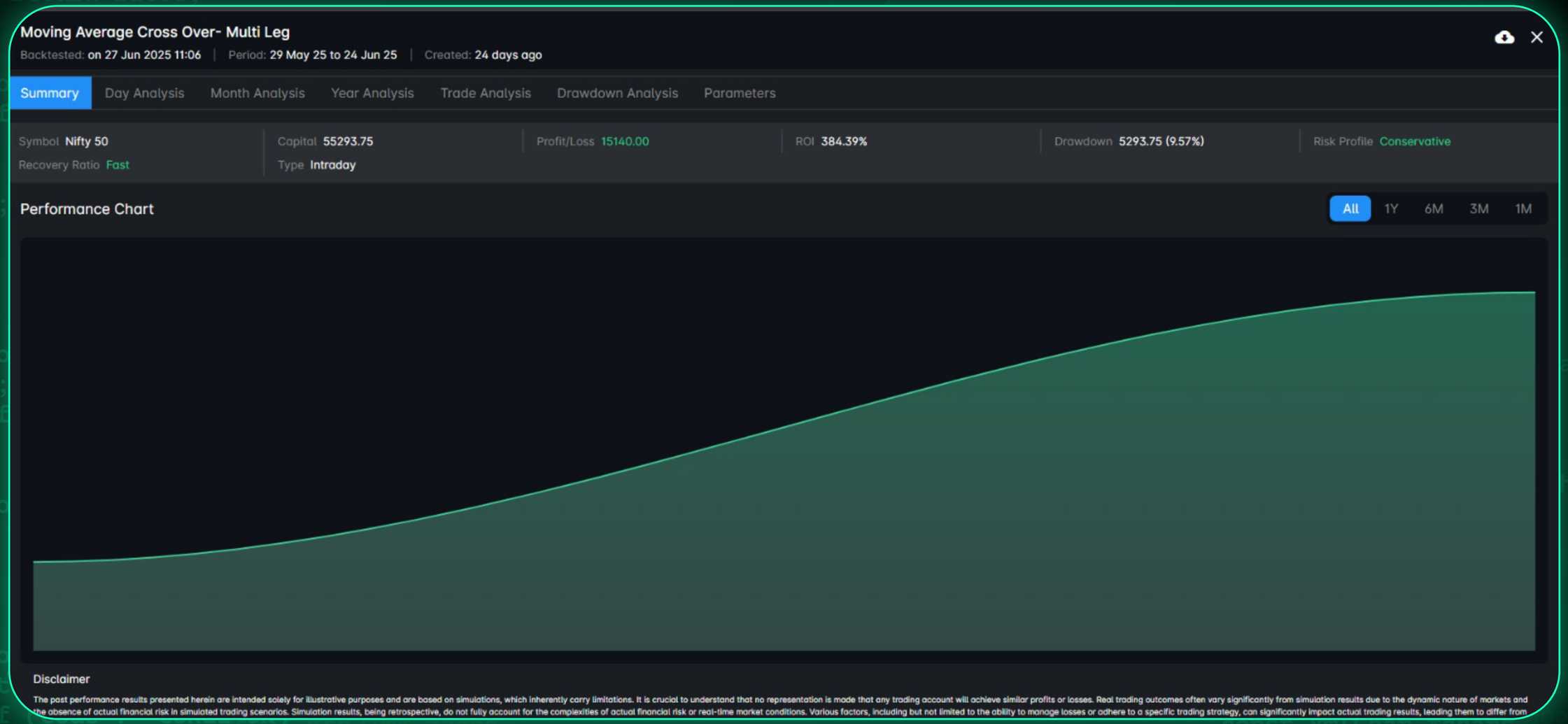
- A short-term moving average (20 days) crosses over
  - A long-term moving average (30 days)

This helps **identify buy or sell signals** based on trend shifts.

**Note:**

You're **free to use** any AI tool, platform, or coding language to perform this task. Just focus on creativity, logic, and actionable output.

# Backtest Result Parameters



## Moving Average Cross Over- Multi Leg

Backtested: on 27 Jun 2025 11:06 | Period: 29 May 25 to 24 Jun 25 | Created: 24 days ago

Summary | **Day Analysis** | Month Analysis | Year Analysis | Trade Analysis | Drawdown Analysis | Parameters

| | | | | | |
|---|---|---|---|---|---|
| Trading Days 13 | Positive Days 7 (53.85%) | Negative Days 6 (46.15%) | Day Average profit 1164.62 | Day ROI 2.11% | Day Max Profit 4953.75 |
| Day Max Loss -5043.75 | Day Min Profit 78.75 | Consecutive Positive Days 4 | Consecutive Negative Days 2 | Day Average Trades 3 | |

| Mon Profit | Tue Profit | Wed Profit | Thu Profit | Fri Profit | Sat Profit | Sun Profit |
|---|---|---|---|---|---|---|
| 5679.00 | -1613.00 | -750.00 | 3330.00 | 8494.00 | 0 | 0 |

### Day Analysis

Last 3 Month | Export

| Date | Trades | Targets | Stop - Loss | Cover | Buy Trades | Sell Trades | Qty | Profit / Loss |
|---|---|---|---|---|---|---|---|---|
| 24-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | -250.00 |
| 23-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | 2658.75 |
| 18-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | -250.00 |
| 17-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | -500.00 |
| 12-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | 3251.25 |
| 10-06-2025 | 3 | 0 | 0 | 3 | 3 | 0 | 225 | -5043.75 |
| 09-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | -250.00 |
| 06-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | 3540.00 |
| 04-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | -500.00 |
| 03-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | 4181.25 |
| 02-06-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | 3270.00 |
| 30-05-2025 | 3 | 0 | 3 | 0 | 3 | 0 | 225 | 4953.75 |

## Moving Average Cross Over- Multi Leg

Backtested: on 27 Jun 2025 11:06 | Period: 29 May 25 to 24 Jun 25 | Created: 24 days ago

Summary | Day Analysis | **Month Analysis** | Year Analysis | Trade Analysis | Drawdown Analysis | Parameters

Total Months 2
Positive Months 2 (100%)
Negative Months 0 (0%)
Month Average Profit 7570.00
Month ROI 31.59%
Month Max Profit 10107.50
Month Max Loss 5032.50
Month Min Profit 5032.50
Month Average Trades 19

### Month Analysis

2025 | Export

| Month | Trades | Targets | Stop - Loss | Cover | Buy Trades | Sell Trades | Qty | ROI | Profit / Loss |
|---|---|---|---|---|---|---|---|---|---|
| Jun - 2025 | 33 | 0 | 30 | 3 | 33 | 0 | 2475 | 18.28% | 10107.50 |
| May - 2025 | 6 | 0 | 6 | 0 | 6 | 0 | 450 | 9.1% | 5032.50 |
| Total | 39 | 0 | 36 | 3 | 39 | 0 | 2925 | | 15140.00 |

## Moving Average Cross Over- Multi Leg

Backtested: on 27 Jun 2025 11:06 | Period: 29 May 25 to 24 Jun 25 | Created: 24 days ago

Summary | Day Analysis | Month Analysis | **Year Analysis** | Trade Analysis | Drawdown Analysis | Parameters

| | | | | | |
|---|---|---|---|---|---|
| Total Years 1 | Positive Years 1 (100%) | Negative Years 0 (0%) | Year Average Profit 15140.00 | Year ROI 384.39% | Year Max Profit 15140.00 |
| Year Max Loss 15140.00 | Year Min Profit 15140.00 | Year Average Trades 39 | | | |

### Year Analysis

Export

| Year | Trades | Targets | Stop - Loss | Cover | Buy Trades | Sell Trades | Qty | ROI | Profit / Loss |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | 39 | 0 | 36 | 3 | 39 | 0 | 2925 | 27.38% | 15140.00 |
| Total | 39 | 0 | 36 | 3 | 39 | 0 | 2925 | | 15140.00 |

## Moving Average Cross Over- Multi Leg

Backtested: on 27 Jun 2025 11:06 | Period: 29 May 25 to 24 Jun 25 | Created: 24 days ago

Summary | Day Analysis | Month Analysis | Year Analysis | **Trade Analysis** | Drawdown Analysis | Parameters

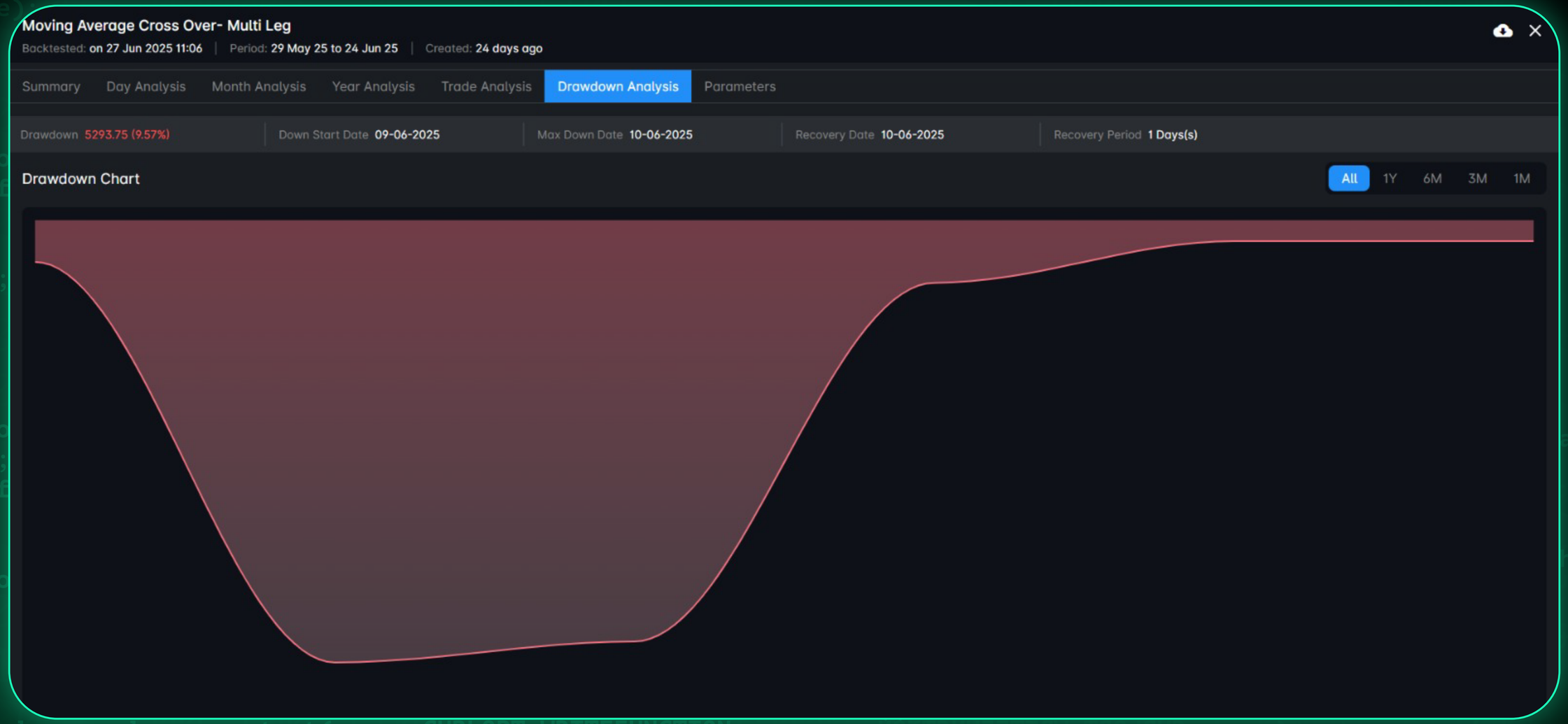
| | | | | | |
|---|---|---|---|---|---|
| Total Trades 39 | Positive Trades 23 (58.97%) | Negative Trades 16 (41.03%) | Cover Trades 39 (100%) | Target Trades 0 (0%) | Stop Loss Trades 0 (0%) |
| Conservative Target Trades 0 | Consecutive Stop Loss Trades 3 | No of Master Target 0 | No of Master SL 6 | BUY Trades 39 | SELL Trades 0 |

### Trade Analysis

Last Month | ALL | ALL | Export

| Symbol | Side | Qty | Entry | Entry Price | Exit Price | Exit | Profit / Loss | Result |
|---|---|---|---|---|---|---|---|---|
| Total | | 0 | | | | | 0.00 | |

Currently, no trade analysis has been found!


Moving Average Cross Over- Multi Leg
Backtested: on 27 Jun 2025 11:06
Period: 29 May 25 to 24 Jun 25
Created: 24 days ago
Summary
Day Analysis
Month Analysis
Year Analysis
Trade Analysis
Drawdown Analysis
Parameters
Drawdown 5293.75 (9.57%)
Down Start Date 09-06-2025
Max Down Date 10-06-2025
Recovery Date 10-06-2025
Recovery Period 1 Days(s)
Drawdown Chart
All
1Y
6M
3M
1M

# Winner Parameters

## How Do We Select the Best?

| Parameter | What is it? |
| --- | --- |
| Highest Return Generator | From the **50 scripts**, who generates the highest returns will be the winner. |
| Presentation Matters | ‣ Clarity of Data<br>‣ Visual Representation |
| UI/UX | ‣ User Friendly Interface,<br>‣ Clear Navigation<br>‣ Minimal & Impactful Design |
| Project Explanation | ‣ The logic behind your model<br>‣ How you applied the Moving Average Crossover<br>‣ What insights your analysis provides |

CODE TRADE
HACKATHON 2025

Sunke Accha Laga

# ThankYou!

# Any Questions?