4-WEEK PROGRAM · PYTHON-CENTRED · 22 MODULES

# Build your own algorithmic trading systems in 4 weeks.

From a written strategy to a tested, automated system running on paper. Taught by someone who builds these systems for a living.

TradingView · Pine Script

MetaTrader 5 · MQL5

Python research

Broker APIs

AI coding agents



YOUR FINAL SYSTEM

- ✓ Spec signed off
- ✓ Walk-forward + Monte Carlo
- ✓ Risk engine armed
- ○ Running on paper

- ✓ No coding experience required
- ✓ No real money needed to learn
- ✓ You keep all your code and templates

| 4 | 22 | 3 | 1 |
|---|---|---|---|
| weeks | modules with labs | platforms mastered | complete system built |

PROGRAM FEE

**$790** USD

Trading since 2017 · Algorithms since 2020

How to apply → page 4

Education only. Not investment advice. No guaranteed outcomes. Trading involves risk.

THE TRANSFORMATION

# Where you start. Where you finish.

| BEFORE | AFTER 4 WEEKS |
|---|---|
| ✕ Trading by feel, rules in your head | ✓ Every strategy written as an exact spec |
| ✕ Copying indicators you can't change | ✓ Coding it in Pine Script, MQL5 and Python |
| ✕ Trusting a backtest screenshot | ✓ Validating with walk-forward and Monte Carlo |
| ✕ Watching charts all day | ✓ A system that trades on paper and alerts you |
| ✕ No plan for when the code breaks | ✓ A risk engine and kill switch you built |

## What you'll be able to do

8 PROFESSIONAL SKILLS

| | | | |
|---|---|---|---|
| SP<br>**Write exact strategy specs**<br>Rules nobody can misread | PS<br>**Build in Pine Script**<br>Indicators, strategies, alerts | EA<br>**Build MT5 Expert Advisors**<br>Full order management | PY<br>**Research in Python**<br>pandas, VectorBT, Backtrader |
| WF<br>**Validate like a pro**<br>Walk-forward, Monte Carlo | API<br>**Connect broker APIs**<br>Zerodha, Dhan, IBKR | RE<br>**Build a risk engine**<br>Limits and a kill switch | AI<br>**Build with AI agents**<br>Faster code you can verify |

### THIS IS FOR YOU IF

→ You trade and want your strategy to run without you

→ You're new to algo trading and want one clear path

→ You code and want to apply it to markets

→ You want to use AI to build, without being fooled by it

### THIS IS NOT FOR YOU IF

✕ You want buy and sell signals or tips

✕ You expect guaranteed profits

✕ You want a ready-made bot you don't understand

✕ You won't test before you trade

Not a certificate. A working system you built yourself.

CURRICULUM →

CURRICULUM · 4 WEEKS · 22 MODULES

# Week by week

Platforms first, then Python research, then APIs, AI and a deployed system. Every module ends with a hands-on lab.

WEEK 01 M1-M5

## Strategy design, TradingView and Pine Script

01 Anatomy of an algo system
02 Writing a strategy specification
03 Pine Script v5 from zero
04 Strategy metrics that matter
05 Alerts and webhooks

DELIVERABLE
Signed-off spec + Pine strategy with alerts

WEEK 02 M6-M10

## MetaTrader 5 and MQL5 Expert Advisors

06 MT5 architecture and Strategy Tester
07 MQL5 programming
08 Building a complete Expert Advisor
09 Optimisation and forward testing
10 Execution realities: spread, slippage, VPS

DELIVERABLE
Working EA + optimisation and forward-test report

WEEK 03 · CORE M11-M16

## Python quant research and robustness testing

11 Python and pandas for market data
12 Vectorised backtesting with VectorBT
13 Event-driven: Backtrader and Lean
14 Walk-forward validation
15 Heatmaps, Monte Carlo, permutation tests
16 Position sizing and portfolios

DELIVERABLE
Research notebook with a robustness verdict

WEEK 04 · LAUNCH M17-M22

## Broker APIs, AI integration and deployment

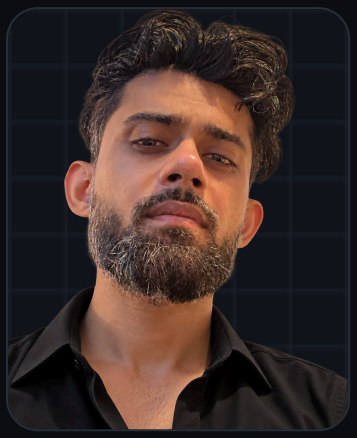
17 Broker APIs: Kite Connect, Dhan, IBKR
18 Risk engine and kill switch
19 AI coding agents for trading dev
20 AI APIs and news sentiment
21 Deployment and Telegram monitoring
22 SEBI retail algo framework

DELIVERABLE
Your complete system, running on paper

## Final project: a complete trading system

10 COMPONENTS

`Strategy spec` `Validated data` `Python + tests` `Backtest with costs` `Walk-forward` `Monte Carlo` `Position sizing` `Broker adapter on paper` `Risk engine` `Telegram alerts + README`



YOUR INSTRUCTOR

# Arwaz Az

Trading since 2017, building algorithmic systems since 2020. I build trading software for clients in Pine Script, MQL5 and Python, and created Strategic Engine, the research platform these methods come from. You learn the workflow I use on real builds.

**9+** years trading

**6+** years building algos

**8** systems built

YOUR INVESTMENT

## $790 USD

Complete 4-week program. One complete trading system at the end.

EVERYTHING INCLUDED

- ✓ 22 modules, each with a hands-on lab
- ✓ Pine Script, MQL5 and Python code you keep
- ✓ Walk-forward and Monte Carlo research templates
- ✓ The spec template and readiness checklist I use with clients
- ✓ Broker API, risk engine and Telegram alert setup
- ✓ Final project: your system running on paper

**Do I need coding experience?**
No. Each language is taught from its first line.

**Do I trade real money?**
No. Historical data, demo accounts and paper trading only.

**Which brokers and markets?**
Zerodha, Dhan, IBKR. Indian equities, F&O and forex.

**Is this signals or tips?**
No. You learn to build and test systems yourself.

## How to enrol

1. **Apply** — Message me with your goals
2. **Fit check** — I review your goals and experience
3. **Start building** — Confirm your seat and begin week 1

| INSTAGRAM | TO APPLY | REPLY |
|---|---|---|
| @arwazaz_ | DM the word TRAINING | Personally, from me |

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