

## # Appendix: Repository File Index

Generated from: `/Users/madhuram/trading\_bot`  
Total indexed files: \*\*424\*\*

Scope: source, scripts, dashboard, ML/model code, and tests. Build artifacts (`\_\_pycache\_\_`, `\*.pyc`) are excluded.

## config (1 files)

- `config/config.py`

## core (145 files)

- `core/ablation.py`
- `core/adaptive\_risk.py`
- `core/alpha\_ensemble.py`
- `core/approval\_store.py`
- `core/audit\_log.py`
- `core/auth\_health.py`
- `core/auto\_retrain.py`
- `core/auto\_tune.py`
- `core/backtest\_engine.py`
- `core/backtest\_report.py`
- `core/blocked\_tracker.py`
- `core/capital\_allocator.py`
- `core/circuit\_breaker.py`
- `core/cross\_asset.py`
- `core/cross\_asset\_features.py`
- `core/day\_type\_history.py`
- `core/db\_guard.py`
- `core/decision.py`
- `core/decision\_builder.py`
- `core/decision\_logger.py`
- `core/decision\_store.py`
- `core/decision\_trace.py`
- `core/depth\_store.py`
- `core/desk\_config.py`
- `core/execution/\_\_init\_\_.py`
- `core/execution/chokepoint.py`
- `core/execution\_analytics.py`
- `core/execution\_engine.py`
- `core/execution\_guard.py`
- `core/execution\_quality.py`
- `core/execution\_router.py`
- `core/exposure\_ledger.py`
- `core/feature\_builder.py`
- `core/feature\_contract.py`
- `core/feature\_flags.py`
- `core/feed\_circuit\_breaker.py`
- `core/feed\_freshness.py`
- `core/feed\_health.py`
- `core/feed\_restart\_guard.py`
- `core/fill\_model.py`
- `core/fill\_quality.py`
- `core/filters.py`
- `core/freshness\_sla.py`
- `core/gate\_status\_log.py`
- `core/governance.py`
- `core/governance\_gate.py`
- `core/gpt\_advisor.py`
- `core/greeks.py`

- `core/hedge\_exposure.py`
- `core/hypothesis\_engine.py`
- `core/incidents.py`
- `core/indicators\_live.py`
- `core/invalidation.py`
- `core/kite\_client.py`
- `core/kite\_depth\_ws.py`
- `core/log\_lock.py`
- `core/log\_writer.py`
- `core/market\_calendar.py`
- `core/market\_data.py`
- `core/market\_regime.py`
- `core/meta\_model.py`
- `core/ml\_dataset.py`
- `core/ml\_governance.py`
- `core/model\_health.py`
- `core/model\_registry.py`
- `core/news\_calendar.py`
- `core/news\_encoder.py`
- `core/news\_ingestor.py`
- `core/news\_shock\_encoder.py`
- `core/no\_trade\_engine.py`
- `core/ohlc\_buffer.py`
- `core/oi\_confirmation.py`
- `core/option\_chain.py`
- `core/orchestrator.py`
- `core/orchestrator\_parts/\_\_init\_\_.py`
- `core/orchestrator\_parts/cycle.py`
- `core/orchestrator\_parts/data.py`
- `core/orchestrator\_parts/decisions.py`
- `core/orchestrator\_parts/finalize.py`
- `core/orders/\_\_init\_\_.py`
- `core/orders/order\_intent.py`
- `core/paper\_fill\_simulator.py`
- `core/paths.py`
- `core/portfolio\_allocator.py`
- `core/portfolio\_manager.py`
- `core/portfolio\_risk\_allocator.py`
- `core/position\_sizer.py`
- `core/post\_trade\_labeler.py`
- `core/premarket.py`
- `core/probability\_engine.py`
- `core/pullback.py`
- `core/readiness\_gate.py`
- `core/readiness\_state.py`
- `core/reason\_codes.py`
- `core/regime.py`
- `core/regime\_detection.py`
- `core/regime\_detector.py`
- `core/regime\_prob\_model.py`
- `core/replay\_engine.py`
- `core/reports/\_\_init\_\_.py`
- `core/reports/daily\_audit.py`
- `core/reports/decay\_report.py`
- `core/reports/execution\_report.py`
- `core/reports/promotion\_report.py`
- `core/reports/rl\_shadow\_report.py`
- `core/research\_pipeline.py`
- `core/retrain\_manager.py`
- `core/review\_packet.py`
- `core/review\_queue.py`
- `core/risk.py`

- `core/risk\_engine.py`
- `core/risk\_halt.py`
- `core/risk\_manager.py`
- `core/risk\_state.py`
- `core/risk\_utils.py`
- `core/run\_backtest.py`
- `core/run\_lock.py`
- `core/runtime\_paths.py`
- `core/scorecard.py`
- `core/security\_guard.py`
- `core/session\_calendar.py`
- `core/session\_guard.py`
- `core/strategy\_allocator.py`
- `core/strategy\_decay.py`
- `core/strategy\_gatekeeper.py`
- `core/strategy\_lifecycle.py`
- `core/strategy\_tracker.py`
- `core/stress\_generator.py`
- `core/strike\_selector.py`
- `core/synthetic\_market.py`
- `core/telegram.py`
- `core/telegram\_alerts.py`
- `core/tf\_utils.py`
- `core/tick\_store.py`
- `core/time\_sanity.py`
- `core/time\_utils.py`
- `core/trade\_journal.py`
- `core/trade\_logger.py`
- `core/trade\_schema.py`
- `core/trade\_scoring.py`
- `core/trade\_store.py`
- `core/trade\_ticket.py`
- `core/tv\_queue.py`
- `core/walk\_forward.py`
- `core/walk\_forward\_ml.py`

## dashboard (5 files)

- `dashboard/\_\_init\_\_.py`
- `dashboard/streamlit\_app.py`
- `dashboard/ui/\_\_init\_\_.py`
- `dashboard/ui/components.py`
- `dashboard/ui/tokens.py`

## ml (9 files)

- `ml/alpha\_factory.py`
- `ml/decay\_dataset.py`
- `ml/deep\_predictor.py`
- `ml/microstructure\_model.py`
- `ml/microstructure\_predictor.py`
- `ml/strategy\_decay\_predictor.py`
- `ml/trade\_predictor.py`
- `ml/train\_decay\_model.py`
- `ml/truth\_dataset.py`

## models (3 files)

- `models/\_\_init\_\_.py`
- `models/tick\_dataset.py`
- `models/train\_from\_ticks.py`

```
## scripts (132 files)
```

- `scripts/activate\_model.py`
- `scripts/adaptive\_risk\_status.py`
- `scripts/analyze\_experiment.py`
- `scripts/approve\_trade.py`
- `scripts/arm\_trade.py`
- `scripts/audit\_market\_data.py`
- `scripts/auth\_warmup.py`
- `scripts/backfill\_epoch\_columns.py`
- `scripts/backfill\_trades\_db.py`
- `scripts/bootstrap.py`
- `scripts/build\_decision\_dataset.py`
- `scripts/build\_training\_dataset.py`
- `scripts/build\_truth\_dataset.py`
- `scripts/canary\_status.py`
- `scripts/capital\_committee\_report.py`
- `scripts/check\_cross\_asset.py`
- `scripts/check\_kite\_auth.py`
- `scripts/check\_openai\_key.py`
- `scripts/check\_option\_tokens.py`
- `scripts/ci\_sanity.sh`
- `scripts/clear\_feed\_breaker.py`
- `scripts/cross\_asset\_status.py`
- `scripts/daily\_ops.py`
- `scripts/daily\_ops\_ist.sh`
- `scripts/daily\_report.py`
- `scripts/daily\_rollup.py`
- `scripts/daily\_scorecard.py`
- `scripts/data\_manifest.py`
- `scripts/data\_qc.py`
- `scripts/desk\_status.py`
- `scripts/disable\_boot\_launch.sh`
- `scripts/download\_instruments.py`
- `scripts/dr\_backup.py`
- `scripts/dr\_failover\_drill.py`
- `scripts/dr\_restore.py`
- `scripts/dr\_verify.py`
- `scripts/enable\_boot\_launch.sh`
- `scripts/execution\_diagnostics.py`
- `scripts/export\_audit\_bundle.py`
- `scripts/export\_trade\_log\_csv.py`
- `scripts/export\_trades\_excel.py`
- `scripts/flatten\_positions.py`
- `scripts/freeze\_dataset.py`
- `scripts/generate\_hypotheses.py`
- `scripts/generate\_kite\_access\_token.py`
- `scripts/generate\_sample\_trades.py`
- `scripts/generate\_synthetic\_sessions.py`
- `scripts/hash\_trade\_log.py`
- `scripts/import\_sanity.py`
- `scripts/import\_signals\_excel.py`
- `scripts/incident\_bundle.py`
- `scripts/kill\_switch.sh`
- `scripts/kite\_autologin\_localhost.py`
- `scripts/launchagent\_status.sh`
- `scripts/live\_fills\_sync.py`
- `scripts/lock\_trade\_log.py`
- `scripts/meta\_shadow\_eval.py`
- `scripts/micro\_accuracy.py`
- `scripts/migrate\_review\_queue.py`
- `scripts/migrate\_strike.py`

- `scripts/migrate\_timestamps.py`
- `scripts/ops\_summary.py`
- `scripts/paper\_tournament.py`
- `scripts/partial\_profit\_smoketest.py`
- `scripts/premarket\_plan.py`
- `scripts/readiness\_gate.py`
- `scripts/reconcile\_fills.py`
- `scripts/recover\_db\_and\_clear\_halt.py`
- `scripts/refresh\_option\_chain.py`
- `scripts/register\_experiment.py`
- `scripts/register\_model.py`
- `scripts/regression\_gate\_12\_14.py`
- `scripts/regression\_gate\_final.py`
- `scripts/regression\_gate\_manual\_approval.py`
- `scripts/regression\_gate\_stable.py`
- `scripts/repair\_tick\_timestamps.py`
- `scripts/repair\_ticks.py`
- `scripts/replay\_day.py`
- `scripts/reset\_risk\_halt.py`
- `scripts/risk\_monitor.py`
- `scripts/rollback\_flags.py`
- `scripts/rollback\_model.py`
- `scripts/run\_all.sh`
- `scripts/run\_alpha\_factory.py`
- `scripts/run\_daily\_audit.py`
- `scripts/run\_daily\_scorecard.sh`
- `scripts/run\_decay\_daily.py`
- `scripts/run\_execution\_analytics.py`
- `scripts/run\_model\_promotion.py`
- `scripts/run\_pilot\_checklist.py`
- `scripts/run\_retrain\_with\_gates.py`
- `scripts/run\_rl\_shadow\_report.py`
- `scripts/run\_shadow\_day.py`
- `scripts/run\_stress\_tests.py`
- `scripts/run\_tests.sh`
- `scripts/run\_walk\_forward.py`
- `scripts/scheduler.py`
- `scripts/sla\_check.py`
- `scripts/start\_depth\_ws.py`
- `scripts/start\_experiment.py`
- `scripts/start\_live\_stack.sh`
- `scripts/status\_all.sh`
- `scripts/status\_live\_stack.sh`
- `scripts/stop\_all.sh`
- `scripts/stop\_experiment.py`
- `scripts/stop\_live\_stack.sh`
- `scripts/strategy\_promote.py`
- `scripts/strategy\_status.py`
- `scripts/telegram\_alert\_smoketest.py`
- `scripts/time\_sanity\_check.py`
- `scripts/tradingview\_webhook.py`
- `scripts/trigger\_test\_incident.py`
- `scripts/tv\_test\_client.py`
- `scripts/unlock\_trade\_log.py`
- `scripts/update\_scorecard.py`
- `scripts/update\_trade\_outcome.py`
- `scripts/validate\_kite\_session.py`
- `scripts/verify\_audit\_chain.py`
- `scripts/verify\_decision\_chain.py`
- `scripts/verify\_decision\_quote\_age.py`
- `scripts/verify\_desk\_paths.py`
- `scripts/verify\_execution\_stat.py`

- `scripts/verify\_feed\_sla.py`
- `scripts/verify\_ops\_summary.py`
- `scripts/verify\_outcome\_labels.py`
- `scripts/verify\_queue\_filter.py`
- `scripts/verify\_risk\_profiles.py`
- `scripts/verify\_risk\_units.py`
- `scripts/verify\_trade\_fill\_db.py`
- `scripts/verify\_trade\_identity.py`
- `scripts/verify\_trailing\_fields.py`
- `scripts/watchdog.sh`

## strategies (10 files)

- `strategies/\_\_init\_\_.py`
- `strategies/banknifty\_intraday.py`
- `strategies/ensemble.py`
- `strategies/nifty\_intraday.py`
- `strategies/position\_sizer.py`
- `strategies/risk\_manager.py`
- `strategies/sensex\_intraday.py`
- `strategies/trade\_builder.py`
- `strategies/vwap\_orb.py`
- `strategies/zero\_hero.py`

## tests (119 files)

- `tests/conftest.py`
- `tests/test\_adaptive\_risk\_bounds.py`
- `tests/test\_alpha\_ensemble.py`
- `tests/test\_alpha\_factory\_smoke.py`
- `tests/test\_approval\_binding.py`
- `tests/test\_auth\_health.py`
- `tests/test\_auth\_health\_cache.py`
- `tests/test\_auto\_retrain\_gates.py`
- `tests/test\_capital\_committee\_report.py`
- `tests/test\_circuit\_breaker.py`
- `tests/test\_confidence\_weighted\_sizing.py`
- `tests/test\_cross\_asset\_stale.py`
- `tests/test\_data\_root\_contract.py`
- `tests/test\_day\_type\_history.py`
- `tests/test\_db\_guard.py`
- `tests/test\_decay\_dataset.py`
- `tests/test\_decision\_chain.py`
- `tests/test\_decision\_logger.py`
- `tests/test\_decision\_logger\_schema.py`
- `tests/test\_decision\_store.py`
- `tests/test\_decision\_traceability.py`
- `tests/test\_depth\_subscription\_tokens.py`
- `tests/test\_ensemble.py`
- `tests/test\_execution\_alpha.py`
- `tests/test\_execution\_determinism.py`
- `tests/test\_execution\_readiness\_guard.py`
- `tests/test\_execution\_refresh.py`
- `tests/test\_execution\_simulation.py`
- `tests/test\_experiment\_flags.py`
- `tests/test\_experiments\_smoke.py`
- `tests/test\_expiry\_selection.py`
- `tests/test\_exposure\_limits.py`
- `tests/test\_feature\_builder.py`
- `tests/test\_feature\_contract\_integrity.py`
- `tests/test\_feed\_circuit\_breaker.py`
- `tests/test\_feed\_freshness\_units.py`

- `tests/test\_feed\_health\_epoch\_missing.py`
- `tests/test\_feed\_health\_market\_closed.py`
- `tests/test\_feed\_restart\_breaker.py`
- `tests/test\_feed\_restart\_guard.py`
- `tests/test\_feed\_sla\_epoch\_units.py`
- `tests/test\_fill\_model.py`
- `tests/test\_gate\_status\_log.py`
- `tests/test\_gatekeeper\_cross\_asset.py`
- `tests/test\_governance\_gate.py`
- `tests/test\_hypotheses\_smoke.py`
- `tests/test\_incident\_triggers.py`
- `tests/test\_invalid\_ltp.py`
- `tests/test\_kite\_auth\_consistency.py`
- `tests/test\_kite\_depth\_restart.py`
- `tests/test\_kite\_depth\_ws\_stability.py`
- `tests/test\_legacy\_scripts\_guard.py`
- `tests/test\_log\_writer.py`
- `tests/test\_manual\_approval\_enforcement.py`
- `tests/test\_manual\_approval\_invariant.py`
- `tests/test\_manual\_approval\_sample\_run.py`
- `tests/test\_market\_data\_index\_quote\_cache.py`
- `tests/test\_market\_data\_indicator\_freshness.py`
- `tests/test\_market\_data\_indicator\_mode\_policy.py`
- `tests/test\_market\_data\_minutes\_since\_open.py`
- `tests/test\_market\_data\_unstable\_reasons.py`
- `tests/test\_market\_data\_warm\_seed.py`
- `tests/test\_meta\_model\_smoke.py`
- `tests/test\_model\_promotion\_stub.py`
- `tests/test\_news\_calendar.py`
- `tests/test\_news\_encoder.py`
- `tests/test\_news\_ingestor.py`
- `tests/test\_no\_order\_bypass\_static.py`
- `tests/test\_option\_chain\_refresh\_filters.py`
- `tests/test\_orchestrator\_decision\_event.py`
- `tests/test\_orchestrator\_pilot\_unlock.py`
- `tests/test\_orchestrator\_reports\_finally.py`
- `tests/test\_orchestrator\_strategy\_gate\_once.py`
- `tests/test\_orchestrator\_target\_points\_ideas.py`
- `tests/test\_order\_approval\_store.py`
- `tests/test\_order\_intent\_canonical.py`
- `tests/test\_outcome\_classification.py`
- `tests/test\_paper\_fill\_simulator.py`
- `tests/test\_paper\_tournament.py`
- `tests/test\_partial\_profit\_logic.py`
- `tests/test\_position\_sizer.py`
- `tests/test\_post\_trade\_labeler.py`
- `tests/test\_quote\_freshness.py`
- `tests/test\_readiness\_state\_machine.py`
- `tests/test\_regime\_canonical.py`
- `tests/test\_regime\_classifier.py`
- `tests/test\_regime\_wrappers.py`
- `tests/test\_retrain\_manager.py`
- `tests/test\_review\_packet.py`
- `tests/test\_risk\_engine.py`
- `tests/test\_rl\_env\_sizing.py`
- `tests/test\_rl\_shadow\_report.py`
- `tests/test\_rl\_trading\_env.py`
- `tests/test\_run\_lock.py`
- `tests/test\_scheduler\_once\_per\_day.py`
- `tests/test\_scheduler\_time\_utils.py`
- `tests/test\_security\_guard.py`
- `tests/test\_session\_calendar.py`

- `tests/test\_session\_guard.py`
- `tests/test\_strategy\_decay\_gating.py`
- `tests/test\_strategy\_gatekeeper\_mode\_thresholds.py`
- `tests/test\_strategy\_lifecycle.py`
- `tests/test\_stress\_generator.py`
- `tests/test\_synthetic\_chain.py`
- `tests/test\_telegram\_tradable\_mode.py`
- `tests/test\_tick\_module\_imports\_clean.py`
- `tests/test\_tick\_training.py`
- `tests/test\_time\_sanity\_staleness.py`
- `tests/test\_tradable\_flag.py`
- `tests/test\_trade\_builder.py`
- `tests/test\_trade\_builder\_blocked\_candidates.py`
- `tests/test\_trade\_builder\_index\_bidask.py`
- `tests/test\_trade\_builder\_trend\_vwap\_fallback.py`
- `tests/test\_trade\_identity\_complete.py`
- `tests/test\_trade\_store\_identity.py`
- `tests/test\_trade\_ticket.py`
- `tests/test\_trailing\_stop\_persistence.py`
- `tests/test\_truth\_dataset\_leakage.py`
- `tests/test\_walk\_forward\_framework.py`