

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/ohlcv_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_list.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`