

UnREKT.ai

An AI Decision Engine for Volatile Crypto Markets

Public Whitepaper | Version 1.0 | October 2025

“AI-native on-chain intelligence.”

1. Executive Summary

UnREKT.ai is an **automated AI decision engine** designed to operate in the most volatile segment of crypto markets — meme coins.

This market is fast, adversarial, and information-dense. Thousands of new tokens launch daily, prices move in milliseconds, and risk is asymmetric and unforgiving.

Retail traders lose money in early-stage token markets — not due to lack of skill, but because these markets are structurally hostile.

UnREKT.ai addresses this problem by applying machine intelligence, real-time market surveillance, and risk-first execution logic to crypto trading.

We have built and validated a working prototype that demonstrates a clear result:

**AI-based filtering transforms a structurally losing environment into a statistically profitable one.**

Prototype Validation (Live Market Data)

Metric	Baseline (Manual)	UnREKT.ai Prototype	Improvement
Win Rate	45.1%	65.4%	+20.3 pp
Average Return	-3.89%	+2.99%	+6.88 pp
Profit Factor	0.67	2.28	~3.4×

*Results validated on 10,000+ live market observations during prototype phase*

Our objective is to evolve this prototype into a production-grade, multi-chain AI trading platform serving retail users, trading communities, and institutional partners.

## 2. The Market Opportunity

The cryptocurrency market has evolved from a niche experiment to a multi-trillion dollar asset class. Within this ecosystem, decentralized trading has exploded:

- **\$50B+ daily DEX volume** on Solana alone
- **1M+ new tokens** launched monthly across major blockchains
- **Meme coin sector** achieving 10,000%+ gains on select opportunities

### Information Overload

Even when opportunities exist, the limiting factor is no longer “strategy” — it’s **cognition + execution**. Traders must make decisions across fragmented data sources while competing in an adversarial environment:

- Parsing noisy launches across multiple venues and liquidity pools
- Interpreting wallet flows, holder concentration, and liquidity changes in real time
- Competing against bots, MEV dynamics, and fee/latency advantages
- Managing slippage, thin liquidity, and sudden regime shifts
- Staying disciplined under continuous market hours and rapid feedback loops

In practice, manual decision-making breaks down under this complexity — even for experienced traders. The outcome is predictable: emotional decisions, poor risk control, and late entries compound into catastrophic losses.

This creates a critical need for AI-powered trading solutions.

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## 3. System Architecture

UnREKT.ai is an AI-powered decision engine that evaluates thousands of market states in real time and selectively engages only when risk-adjusted probability is favorable.

### Proprietary Multi-Stage AI Engine

UnREKT.ai employs a **cascading intelligence architecture** that processes market data through multiple layers of analysis:

#### UnREKT.ai Intelligence Engine

##### Stage 1: Real-Time Market Surveillance

- Continuous monitoring of 10,000+ tokens

- Aggregation across price, volume, and on-chain data
- Multi-source signal fusion

#### Stage 2: Advanced Feature Extraction

- 100+ proprietary quantitative indicators
- Market microstructure analysis
- On-chain behavioral patterns

#### Stage 3: Machine Learning Prediction Engine

- State-of-the-art gradient boosting models
- Multi-horizon probability forecasting
- Confidence-calibrated outputs

#### Stage 4: Intelligent Risk Management

- Dynamic position sizing
- Multi-level exit strategies
- Portfolio-level protection

## 4. Key Technological Innovations

UnREKT.ai is built as a practical, production-oriented pipeline: extract high-signal features, generate calibrated probabilities, then translate them into risk-bounded actions.

**1. Adaptive Feature Engineering** The system converts raw market + on-chain activity into structured signals that are difficult to observe manually:

- Temporal dynamics: Multi-timeframe momentum cascades (5min, 1h, 24h)
- Volume intelligence: Velocity, acceleration, and ratio patterns
- Wallet behavior analysis: Smart money flow detection
- Risk fingerprinting: Concentrated ownership and rug-pull indicators
- Market microstructure: Transaction flow and participant patterns

**2. Self-Calibrating Models** Markets change quickly. Models are trained and monitored to stay honest about performance and avoid common evaluation traps:

- Time-series aware training: Prevents look-ahead bias
- Cost-adjusted optimization: Models trained on real-world profitability
- Rolling validation: Continuous performance monitoring
- Regime detection: Automatic adaptation to bull/bear markets

**3. Intelligent Risk Management** Capital preservation is a first-class constraint. The system enforces risk limits at the trade and portfolio level:

- Dynamic position sizing: Scales exposure based on model confidence
  - Multi-exit framework: Timed exits, trailing stops, emergency cutoffs
  - Portfolio controls: Drawdown limits and concentration caps
  - Tail risk protection: Defensive logic for catastrophic loss scenarios
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## 5. Performance Metrics

UnREKT.ai does not attempt to trade everything. It filters aggressively and trades selectively.

### Win Rate Distribution by AI Confidence

Confidence Tier	Win Rate	Avg Return	Observations
<b>Top 5%</b> (Elite)	86.4%	+8.54%	High conviction
<b>Top 10%</b>	81.2%	+6.41%	Strong signal
<b>Top 20%</b>	77.4%	+2.99%	Quality selection
<b>Top 30%</b>	69.6%	+2.37%	Moderate signal
<b>Baseline</b>	45.1%	-3.89%	No AI filtering

The system converts market noise into probabilistic clarity.

## 6. Business Vision

UnREKT.ai is a non-custodial software platform providing AI-driven market intelligence and decision-support tooling.

The platform does not manage user funds, act as a broker, or provide personalized investment advice. Users retain full control over execution, capital allocation, and risk parameters at all times.

### Strategic Objectives

**Phase 1 — Prove Alpha at Scale** Deploy production-grade AI trading on Solana with real capital and strict risk controls.

**Phase 2 — Become Infrastructure** Evolve from a consumer product into an intelligence layer used by funds, DAOs, and platforms.

**Phase 3 — Compound Intelligence** Leverage aggregated, anonymized outcomes to build a learning moat no individual trader can replicate.

## 7. Roadmap

### Phase 1: Prototype

*Q3-Q4 2025*

- ☒ Core AI engine development
- ☒ Solana data pipeline integration
- ☒ Paper trading system
- ☒ 100+ model iterations
- ☒ Prototype validation

### Phase 2: Production MVP

*Q1-Q2 2026*

- ☐ Enhanced model calibration
- ☐ Live trading capability
- ☐ Real-time risk controls
- ☐ Monitoring & failsafes

### Phase 3: Multi-Chain Expansion

*Q2-Q3 2026*

- ☐ BNB Chain
- ☐ Ethereum L2s (Base, Arbitrum)
- ☐ Cross-chain signal aggregation
- ☐ Additional token types

### Phase 4: Platform Scale

*Q4 2026*

- ☐ Consumer UI
  - ☐ Institutional API access
  - ☐ Governance layer
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## 8. Business Model

UnREKT.ai operates on a software infrastructure model.

Revenue will be generated through:

- Tiered access to AI-driven analytics, monitoring, and decision-support features
- Usage-based and enterprise API access for institutional and ecosystem partners

- Future governance or utility mechanisms, subject to regulatory and jurisdictional review

## 9. Team

UnREKT.ai is built by professionals with backgrounds in:

- Quantitative trading
- Machine learning systems
- On-chain analytics
- High-performance infrastructure

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UnREKT.ai Intelligent Trading for the Decentralized Era

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**Disclaimer:** This document is informational only and does not constitute financial advice. All performance metrics are derived from paper trading and live market observation. Cryptocurrency trading involves substantial risk.

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