MULYANTARAN
The Wealth Revolution

A Manifesto for the Next Era
of Financial Freedom

WHITE PAPER

"This is not a whitepaper. This is a story. A story of time, trust, and transformation - where markets never sleep and wealth is reborn."

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Mulyantaran

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INTRODUCTION

Mission

To democratize crypto investing by combining institutional-grade strategies with retail-friendly execution. We offer safe, transparent, and sustainable investment solutions backed by algorithms, gamification, and token-based rewards.
To make crypto investing accessible for all investors by blending institutional strategies with retail-friendly execution. We deliver secure, transparent and sustainable solutions that are backed by smart algorithms, exciting gamification and token-based rewards.

Vision

To become the world's most trusted platform for digital investment, enabling everyday investors, institutions, and high-net-worth clients to grow wealth consistently using out-of-the-box strategies like smart DCA, arbitrage, fixed yield products and goal-based portfolios.

EXECUTIVE SUMMARY

Mulyantaran LLC is building a next-generation crypto investment platform that combines four out-of-the-box strategies- Zone Arbitrage, Smart Switch DCA, Goal-Based Crypto Baskets, and Fixed APR Yield Products into a single engine.

Investments are very similar to navigating the sea-it's unpredictable. The market, just like the sea, has calm and strong currents that can make or break the bank for investors. At Mulyantaran, we regard your investment as the ship.

We address the biggest challenges of investors like volatility, low transparency in reward systems and lack of disciplined investment. So, what's our solution to these problems? We offer algorithm-driven, gamified, and investor-centric solutions driven by a sustainable token model.
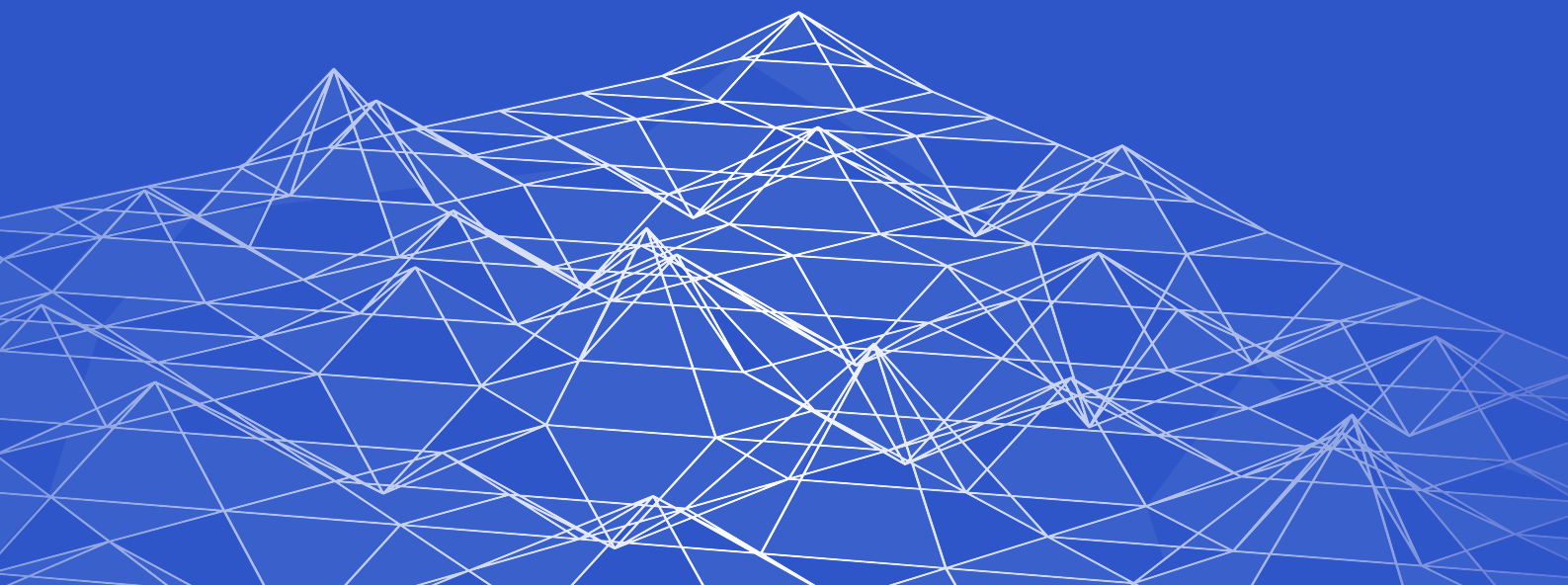
PROBLEM STATEMENT & SOLUTION FRAMEWORK

1

Market Volatility
- Users face unpredictable price swings
- Most retail investors lack advanced tools for timing

Solution
Time Zone Arbitrage Engine → exploits cross-exchange and cross-time-zone inefficiencies to generate predictable micro-returns, aggregated into stable yields.

2

Undisciplined Investment
- DCA is widely known but poorly executed (timing issues)

Solution
Smart Switch DCA → adaptive DCA engine that switches buying frequency and allocation based on volatility bands and liquidity zones.

3

Goal Misalignment
- Investors struggle to align short-term speculation with long-term goals

Solution
Goal-Based Baskets → curated crypto portfolios tailored for:
- Short-term (1–3 months)
- Mid-term (6–12 months)
- Long-term (3+ years)

Dynamic rebalancing + gamified milestones keep users engaged.

4

Yield Sustainability
- Fixed APRs in crypto are often Ponzi-like or unsustainable

Solution
Fixed APR Engine → backed by arbitrage + protocol fees + burn pool + treasury allocation. Offers predictable yields with transparent backing.

TECHNOLOGY STACK

Blockchain Layer
- Binance (Arbitrum/Polygon) for scalability

Smart Contracts
- Solidity (Ethereum) + CosmWasm (future expansion)
- Audited via Certik / Hacken

Backtesting & Analytics
- Python + R for data simulation
- Historical market data feeds (Binance, CoinGecko, Kaiko)

App Development
React Native with Redux Toolkit + RTK Query

Frontend
- React + Next.js + Tailwind CSS
- Gamified dashboard with 3D visuals

Backend
- Node.js + Rust for engine modules
- MongoDB + PostgreSQL for data

Security
- Multi-sig treasury wallet
- Cold storage reserves
- Smart contract audits

Key Features
- Native wallet integration with biometric security, ensuring seamless transactions, without the need to remember passwords
- Offline capability to enable portfolio viewing through local storage, boosting productivity and improving performance in areas of low internet connectivity
- Real-time trading interface with advanced charting that allows investors to make informed, data-driven investment decisions

Current Tech Stack
TensorFlow/Keras, XGBoost, scikit-learn, pandas, numpy, matplotlib, SHAP, FastAPI, uvicorn, joblib/pickle

Future Tech Stack
PyTorch, LSTM/GRU, Temporal CNNs, Transformers for time-series, Reinforcement Learning (PPO/DQN), Hugging Face Transformers, Mistral-7B, datasets, peft (LoRA/QLoRA), bitsandbytes, accelerate, onnxruntime, TensorFlow Serving, Docker/Kubernetes

MARKET OPPORTUNITY

01   **Global crypto market cap** → $1.5T (2023) → projected $4.9T (2028)
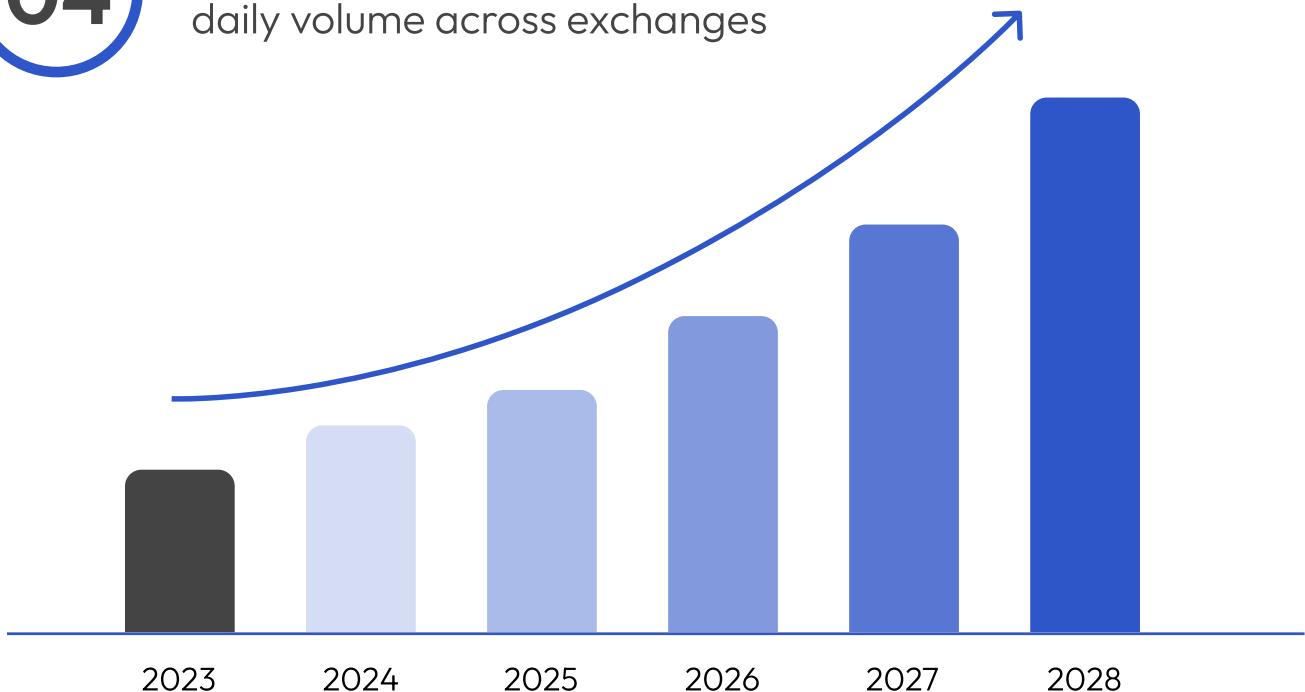
02   **DCA adoption** growing at 14% CAGR

03   **Yield farming alternatives** → demand shift to transparent + fixed yield products

04   **Arbitrage opportunities** worth $500M+ daily volume across exchanges

2023   2024   2025   2026   2027   2028

CORE WORKING ENGINE

Algorithimic Flow

01 **Market Scanner**
Detects arbitrage & volatility zones across timeframes

02 **Allocation Optimizer**
Shifts funds dynamically between DCA, baskets, and fixed-yield pools

03 **Risk Adjustor**
Caps exposure per user tier

04 **Reward Engine**
Combines Base Reward + Multipliers (Loyalty, Strategy, Milestone, Surprise)

05 **Burn Module**
Routes portion of company returns to token burn pool

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BACKTESTING DATA (SUMMARY)

- Period: Jan 2022 – June 2024
- Avg. Monthly Yield (Arbitrage Engine): 4.3–6.2%
- Smart DCA vs Normal DCA: ~18% higher return over 18 months
- Goal-Based Baskets: Reduced volatility by 22% compared to single-asset exposure
- Fixed APR Prototype: 8–12% sustainable APR supported by real arbitrage gains

Feature Engineering

Simple return: $r_t = (P_t - P_{t-1}) / P_{t-1}$ Why: Captures raw percentage price change, fundamental for trading signals.

Momentum: $momentum(l)_t = (P_t - P_{t-l}) / P_{t-l}$ Why: Measures medium-term price trends, used in momentum strategies.

RSI (Relative Strength Index): $RS_t = UpMA_t / max(DownMA_t, \varepsilon)$, $RSI_t = 100 - 100/(1 + RS_t)$ Why: Identifies overbought/oversold conditions, useful for mean-reversion signals.

Rolling mean and volatility: $MA(w)_t = (1/w)\Sigma x_i$, $\sigma(w)_t = \sqrt{[(1/w-1)\Sigma(r_i-\bar{r})^2]}$ Why: Track smoothed trends and short-term volatility for features and risk control.

Model Training and Evaluation

Standard scaling: $z = (x-\bar{x})/s$ Why: Normalizes features to zero mean, unit variance — stabilizes ML training.

Random Forest aggregation: $\hat{y}(x) = (1/T)\Sigma_{j=1}^{T} t_j(x)$ Why: Reduces variance by averaging many decision trees.

Mean Squared Error (MSE): $MSE = (1/n)\Sigma(y_i-\hat{y}_i)^2$ Why: Primary loss function to measure regression accuracy.
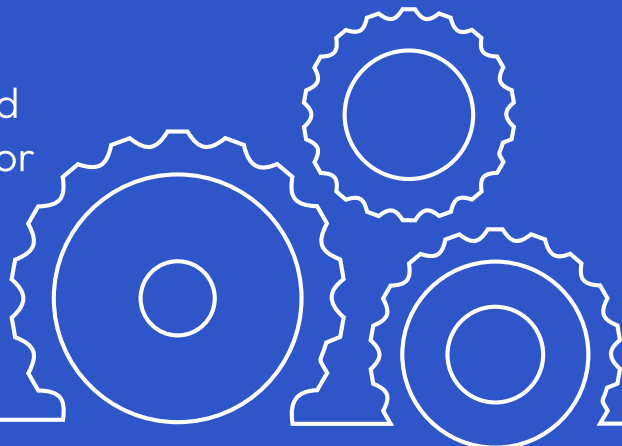
INVESTMENT FRAMEWORK

Mulyantaran divides capital allocation
into four pillars

01

Time Zone Arbitrage
- Engine exploits inefficiencies in regional pricing
- Generates micro-profits that are aggregated into stable returns

02

Smart Switch DCA
- Adaptive frequency & size of buys based on volatility bands
- 18% improved performance over standard DCA (back tested)

03

Goal-Based Crypto Baskets
- Predefined baskets (short/mid/long term)
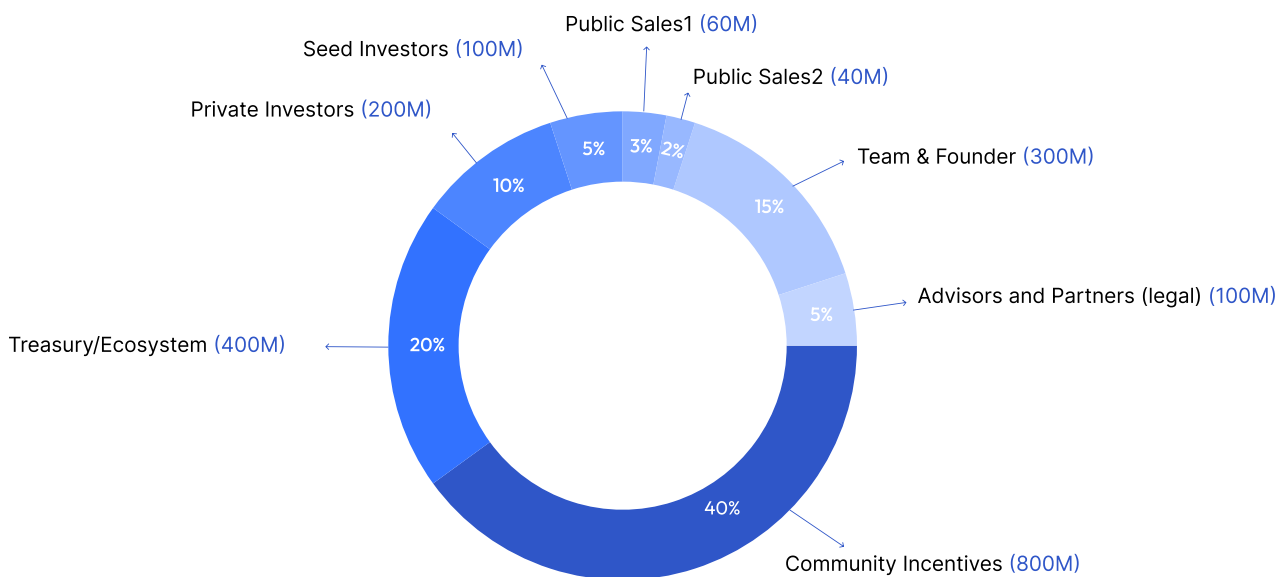- Dynamic rebalancing
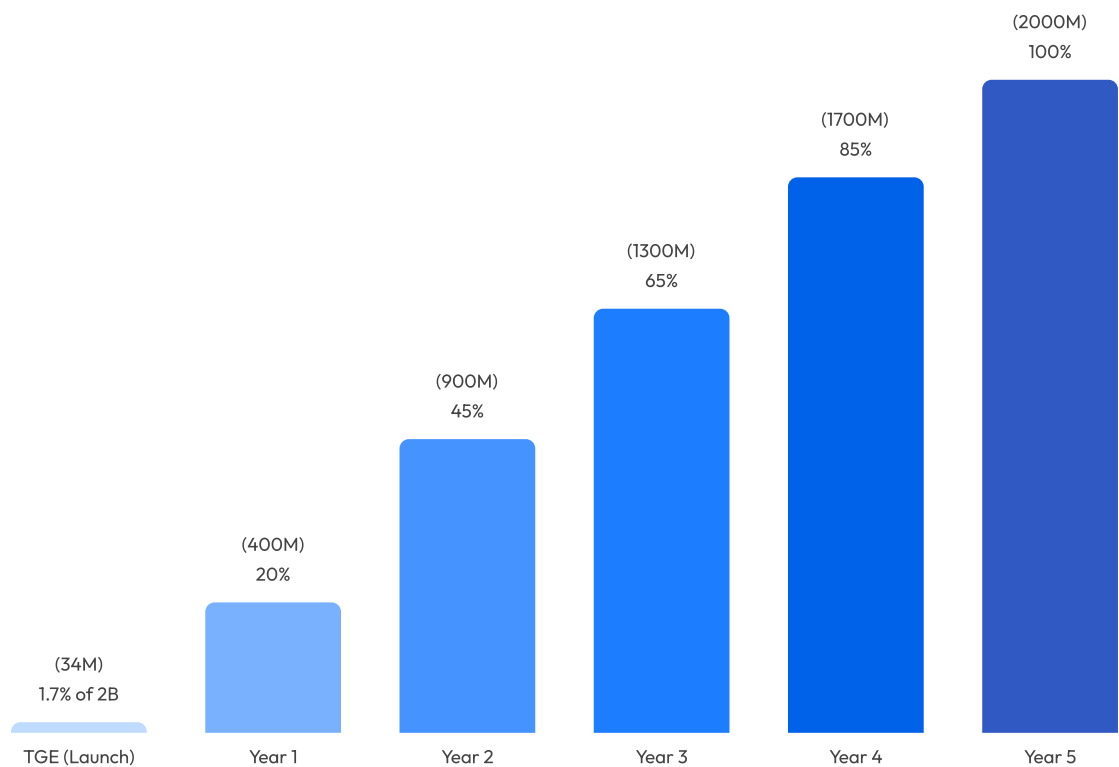- Gamified milestone rewards

04

Fixed APR Pools
- Transparent & sustainable yields (8–12% annually)

TOKENOMICS

Token Distribution

40%	**Community Incentives (Staking Loyalty Rewards)**	800 M $MULY	Records for long term Investors & subscription model
20%	**Treasury & Ecosystem Growth**	400 M $MULY	For Investment Partnership & Growth
20%	**Private Sale to Public sale 2**	400 M $MULY	With hybrid vesting schedule and wide retail participation
15%	**Team & Founder**	300 M $MULY	For bootstrap supporters and devs
5%	**Advisors & Partners (Legal)**	100 M $MULY	For law firm and strategic growth partners

Public Sales1 (60M)

Public Sales2 (40M)

Seed Investors (100M)

Private Investors (200M)

Team & Founder (300M)

5%   3% 2%

10%   15%

Treasury/Ecosystem (400M)

20%

Advisors and Partners (legal) (100M)

5%

40%

Community Incentives (800M)

TOTAL SUPPLY ($2B) $MULY

Circulating Supply Schedule (5Years)

TGE (Launch)	(34M) 1.7% of 2B	
Year 1	(400M) 20%	
Year 2	(900M) 45%	
Year 3	(1300M) 65%	
Year 4	(1700M) 85%	
Year 5	(2000M) 100%	

GROWTH METRICS

Private ($0.005) — Seed ($0.01) — Public Sale 1 ($0.0167) — Public Sale 2 ($0.025)

100%
300%
400%
67%
150%
49.7%
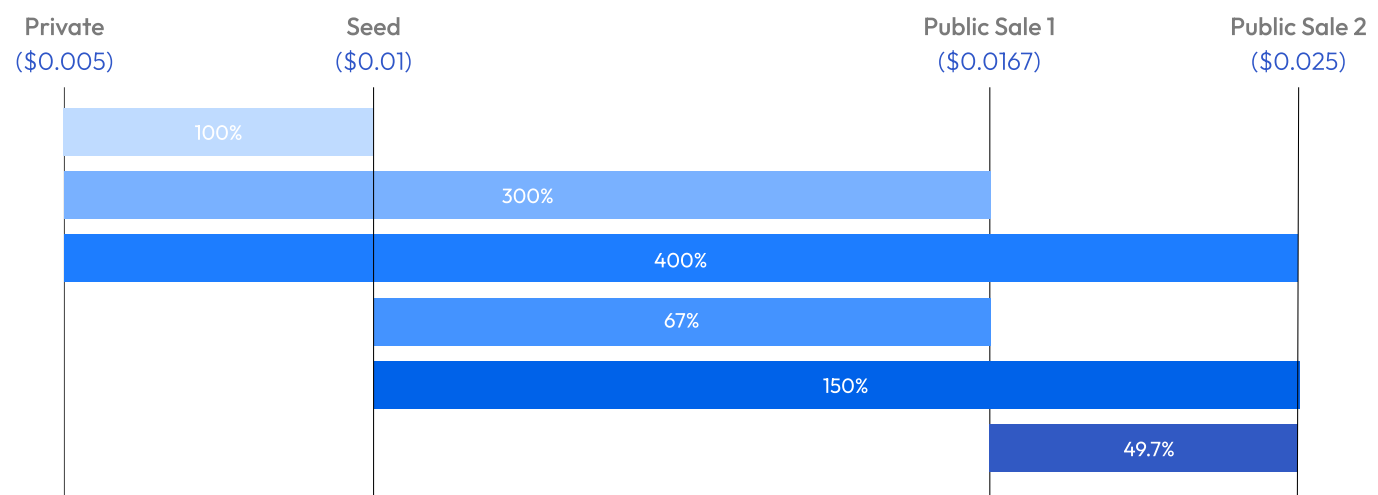
Private to Public sale 2

VESTING & CLIFFS

Community Incentives

Reward for long – term holders & investors

Treasury / Ecosystem growth

For investment partnership & growth

Private Investors

5 % (TGE)
9 months cliff
65% – Linear vesting over 24 months.
30% over the milestone achieved.

1. 10% unlock when $100M AUM reached.
2. 10% unlock When listed on Tier-1 exchange
3. 10% unlock Trading Volume $1B

Seed Investors

12 months cliff.
70% – Linear vesting over 36 months.
30% over the milestone achieved.

1. 10% unlock when $50M AUM managed
2. 10% unlock when 100k verified investors onboarded.
3. 10% unlock when $5M annualized fee revenue reached.

Public Sale 1

20 % (TGE)
1 month cliff.
60% – Linear vesting over 9 months.
20% over the milestone achieved.

1. 10% unlock when 50k active investors onboarded.
2. 10% unlock when 5+ ecosystem partnership live.

Public Sale 2

30% (TGE)
Cliff (0 month).
50% linear over 6 month.
20% over the milestone achieved.

1. 10% unlock when "DAO" governance activated.
2. 10% unlock when portfolio returns exceeds 15% annualized benchmark.

Team & Founder

12 month cliff + 4 years reverse vesting.

Advisors and Partners (Legal)

6 month cliff + 2 years vesting.

SUBSCRIPTION MODEL & BURN

$MULY based subscription tiers

Tier 1
$25 for 1 month - Burn 50%
- Rewards: Base Rewards x Cycle Subscription
- Access:
  - Only goal-based basket
  - Basic dashboard
  - Monthly reward distribution
  - Milestone tracking

Tier 2
$300 (6 months) - Burn 50%
- Rewards: Base reward x strategy multiplier x loyalty streak + investment tier bonus
- Access:
  - All three strategies, including TZA
  - Advanced AI analytics dashboard + Live burn visualization
  - Loyalty streak rewards + milestone bonus
  - Early access to strategies
  - Priority customer support

Tier 3
$100 (3 months) - Burn 50%
- Rewards: Base reward x Loyalty streak
- Access:
  - Smart DCA + Goal-based basket
  - Detailed dashboard analysis
  - Loyalty streak rewards
  - Milestone bonuses
  - Priority support

Tier 4
$600 (6 months) - Burn 50%
- Rewards: Base reward x strategy multiplier x 20% + Investment tier bonus + Surprise events
- Social sharing of achievements + Leaders and recognition
- Access:
  - Full access to all categories
  - Early access to new strategy + exclusive events
  - Meta burn participation
  - Advanced analytics + portfolio suggestions
  - Highest priority

Burn Model
- 50% of returned tokens from subscription → burned
- Annual treasury burn of unused funds

Mega Burn events tied to milestone achievements

ROADMAP

Phase 1 (0–6 Months)
- Token Presale & HNI onboarding
- MVP: Smart DCA + Fixed APR pool + Time Zone Arbitrage (TZA) + Goal-based baskets rollout
- Smart contract audits
- Market education campaigns

Phase 2 (6–12 Months)
- Exchange listing (CEX + DEX)
- First Mega Burn Event

Phase 3 (12–18 Months)
- DAO governance model live
- Gamified NFT rewards for milestones
- Strategic partnerships
- Expansion to multi-chain

Phase 4 (18–24 Months)
- AI-powered Smart DCA 2.0 - Enhanced
- Institutional onboarding
- Global scaling → community hubs

Annual Mega Burn + ecosystem rebalance

REGULATORY FRAMEWORK

Mulyantaran LLC operates under global crypto compliance frameworks

✓ **KYC/AML Standards** for all types of investors

✓ **FATF Travel Rule compliance** for transfers

✓ **Jurisdictional Registration** Entity incorporated in a crypto-friendly jurisdiction of Georgia

✓ **Token Classification** Utility token, not a security; ensures seamless global operation

✓ **Periodic 3rd-party audits** of smart contracts & treasury reserves
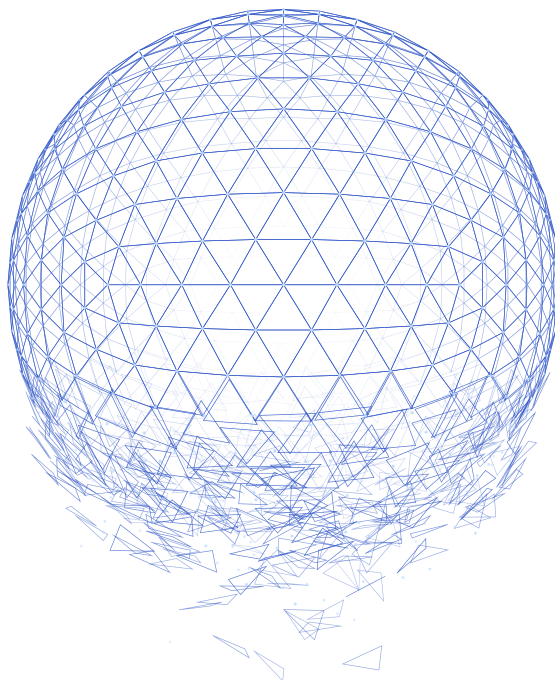
INVESTOR ONBOARDING STRATEGY

**Retail
Onboarding**

- Subscription-based entry as low as $25
- Gamified dashboard, milestone NFTs, reward multipliers
- Community-driven hype (airdrops + burn reveals)

**HNI
Onboarding**

- Minimum $1,250–$5,000 allocation
- Exclusive concierge + portfolio advisory
- Private Mega Burn + flash reward events
- Elite NFTs + leaderboard recognition

**Hype
Strategy**

- Pre-TGE: teaser campaigns, mystery burn countdowns, exclusive beta invites
- Launch Phase: social contests, live burn events, community-led basket reveals
- Post-Launch: monthly burn disclosures, gamified surprise events, ambassador programs

GOVERNANCE MODEL

DAO-based governance (post-launch)

Token holders vote on:
- Burn events
- Treasury utilization
- Inclusion of new strategy
- Staked governance tokens = voting power

Council of Advisors (HNI & Experts) → dual-check balance

Retail representation through Community Delegates

EXIT STRATEGY

Mulyantaran ensures liquidity & Flexibility

01   **Emergency Exit Protocol**
- Reserve fund allocation
- Treasury-backed redemption pool

02   **Retail Users**
- Tokens unlocked after subscription expiry
- Exit via CEX/DEX liquidity pools

03   **HNI Investors**
- Structured vesting for large exits
- Dedicated OTC desk for bulk redemptions

APPENDIX 1

Five-Year Portfolio Growth

Chart showing portfolio value growth from $10k to $70.6k over 2018-2025, with comparison to BTC/ETH buy-and-hold performance
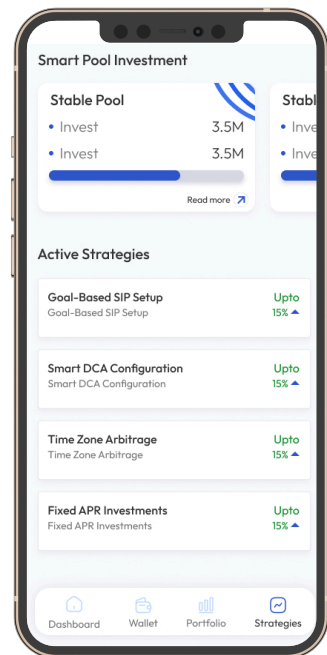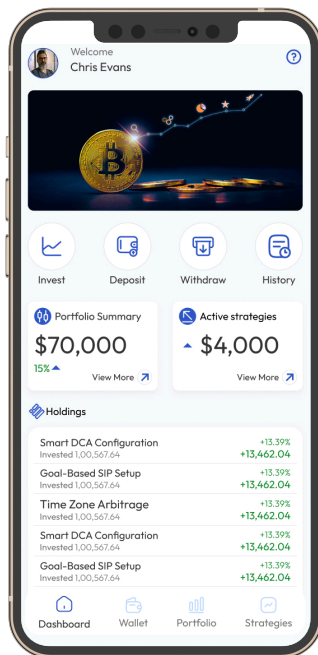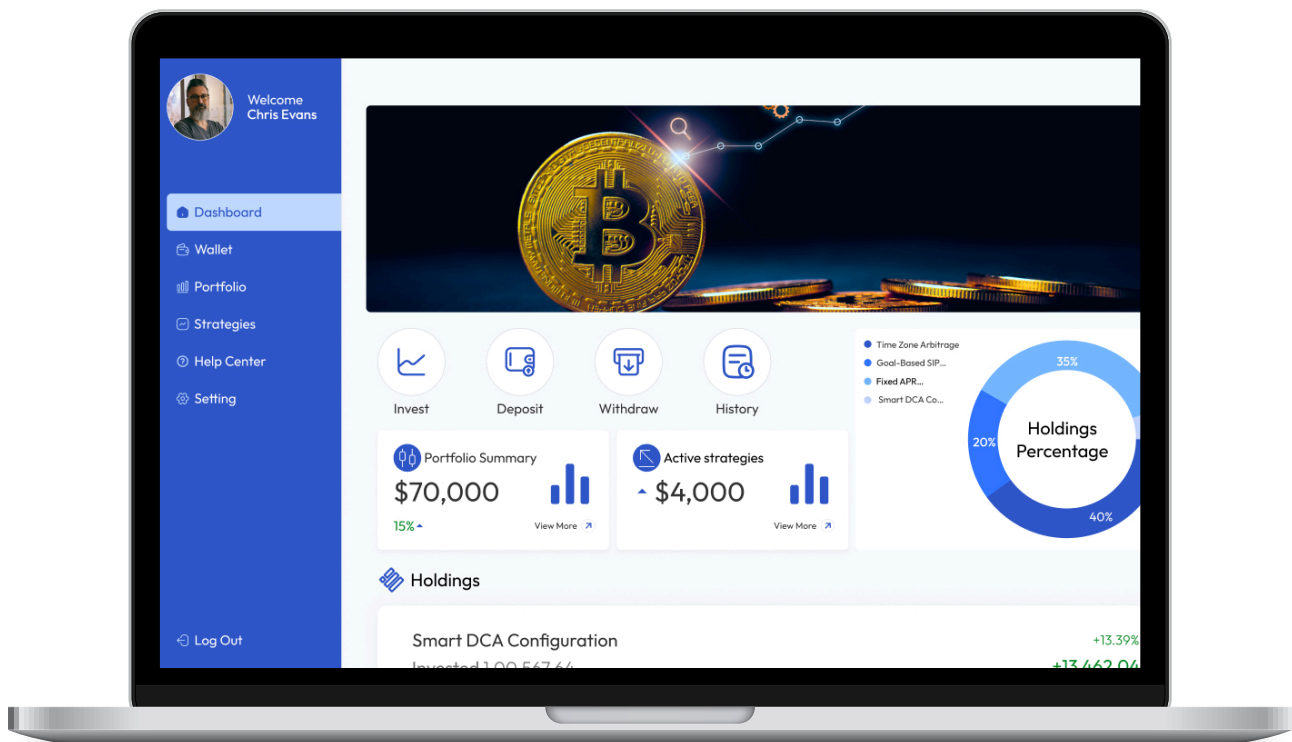
Machine Learning Engine
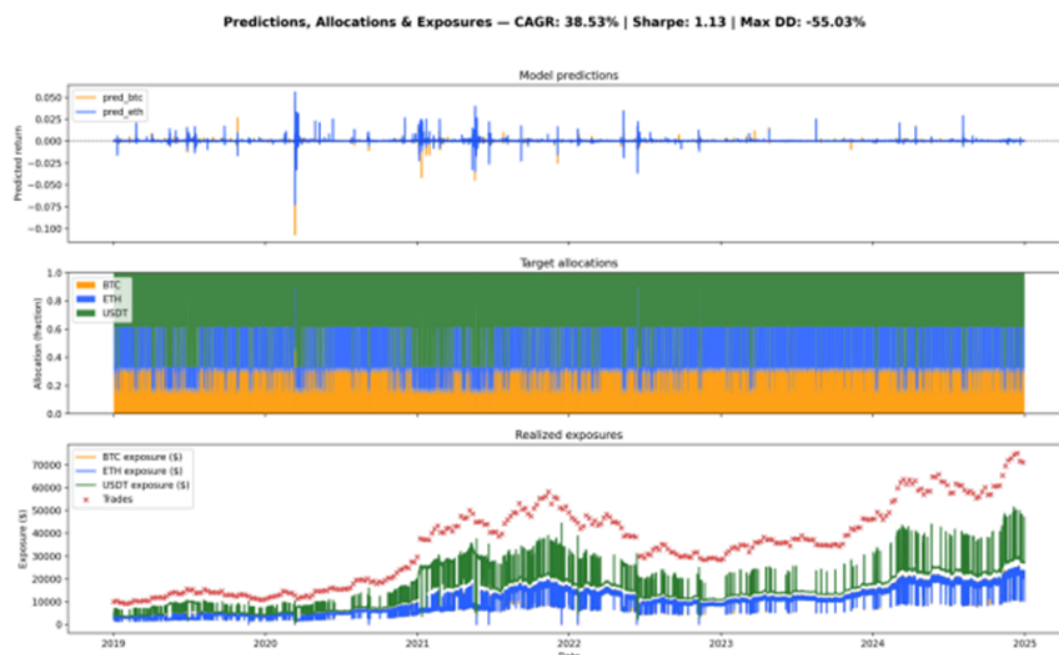
Chart showing model prediction accuracy over time, both hourly and monthly aggregated performance

APPENDIX 2

Mobile App Screens

Pc Dashboard Screen