

CSVToChain



CSV-to-NFT Tokenization Platform

Transform CSV data into verifiable, tradeable blockchain assets with immutable proof of integrity



DeFi & Tokenization



Hedera Hashgraph



Sub-60 Second Minting



Web3 Ready

The Problem

✗ Current State

- ✓ CSV files easily tampered with
- ✓ No ownership proof
- ✓ Data authenticity unclear
- ✓ No monetization path
- ✓ Centralized storage risks
- ✓ Difficult data licensing

✓ CSVToChain Solution

- ✓ Immutable cryptographic proof
- ✓ NFT-based ownership
- ✓ Blockchain-verified authenticity
- ✓ Built-in marketplace
- ✓ Decentralized & transparent
- ✓ Instant tokenization

Our Solution

The CSVToChain Platform

Upload & Validate

Drag-and-drop CSV files with real-time validation and quality scoring. Automatic structure verification.

Cryptographic Hashing

SHA-256 immutable fingerprints. Military-grade proof of data integrity stored on-chain.

NFT Minting

One-click minting on Hedera Token Service. Instant NFT representing your dataset ownership.

Marketplace

Instant listing. Browse, purchase, and manage tokenized datasets. Real-time pricing in HBAR.

Dual Verification

HTS for ownership + HCS for immutability. Double-layer blockchain assurance.

Analytics

Real-time transaction tracking. Account explorer with AI categorization and CSV export.

Key Features

Core Features

- ✓ Instant CSV-to-NFT conversion
- ✓ Real Hedera blockchain integration
- ✓ MetaMask & HashPack wallets
- ✓ Sub-60 second transaction time
- ✓ Multi-network support
(Mainnet/Testnet/Previewnet)
- ✓ Dark mode & responsive UI

Advanced Features

- ✓ Data Marketplace for buying/selling
- ✓ AI-powered transaction categorization
- ✓ HashScan integration for verification
- ✓ Account explorer dashboard
- ✓ CSV export functionality
- ✓ Purchase history tracking

Technology Stack

Frontend

- Next.js 16
- React 19
- TypeScript
- Tailwind CSS

Blockchain

- Hedera SDK
- HTS (NFTs)
- HCS (Consensus)
- Mirror Node API

Backend

- Next.js API Routes
- Node.js
- SHA-256 Hashing

Security

- MetaMask Signing
- HashPack Wallet
- Crypto Operations

Deployment

- Vercel Ready
- Docker Support
- pnpm
- ESLint & Prettier

Data

- localStorage
- CoinGecko API
- CSV Parser

Market Opportunity & Business Model

\$2.3T

Data Economy Size

60
sec

Time to Monetize

∞

Use Cases

Revenue Streams

- ✓ **Marketplace Fees** - 2-5% on dataset transactions
- ✓ **Premium Features** - Advanced analytics, bulk minting, API access
- ✓ **Enterprise Licensing** - White-label solutions for organizations
- ✓ **Verification Services** - Certified data authenticity badges

Competitive Advantage

Why CSVToChain Wins

- ✓ **Speed:** Minting in under 60 seconds - fastest in market
- ✓ **Cost Efficiency:** Hedera's low fees (cents, not dollars)
- ✓ **Dual Layer Security:** HTS + HCS for maximum confidence
- ✓ **User-Friendly:** No blockchain knowledge required
- ✓ **Real Ownership:** NFTs transferred to user wallets immediately
- ✓ **Multi-Network:** Mainnet, Testnet, Previewnet support
- ✓ **Integrated Marketplace:** Built-in buyer ecosystem

Target Users



Data Scientists

Monetize research datasets and sell to enterprises



Enterprises

Verify supplier data integrity and manage supply chains



Analysts

Purchase verified datasets for insights and research

Product Roadmap



Phase 1 - Now (Launch)

Core CSV-to-NFT minting, marketplace, MetaMask/HashPack wallets



Phase 2 - Q4 2025

API marketplace, batch minting, enterprise authentication



Phase 3 - Q1 2026

Advanced analytics dashboard, data watermarking, usage rights management



Phase 4 - Q2 2026

Multi-chain support (Ethereum, Polygon), institutional features



Phase 5 - H2 2026

AI-powered data insights, fractional ownership, DAO governance

Metrics & Traction

0s

Setup Time

100%

Data Verification

\$0.01

Avg Mint Cost

Development Status

- ✓ Smart contract deployed and tested
- ✓ Real Hedera integration live
- ✓ Marketplace fully functional
- ✓ Multi-wallet support operational
- ✓ Production-ready codebase (TypeScript + ESLint)
- ✓  Ready for mainnet deployment

Join the Data Revolution

Transform CSV data into valuable blockchain assets

Monetize. Verify. Trade. On Hedera.

 **Website:** <https://csvtochain.vercel.app>

 **GitHub:** <https://github.com/mwihoti/csvtochain>

 **Contact:** hello@csvtochain.app

Let's tokenize the world's data