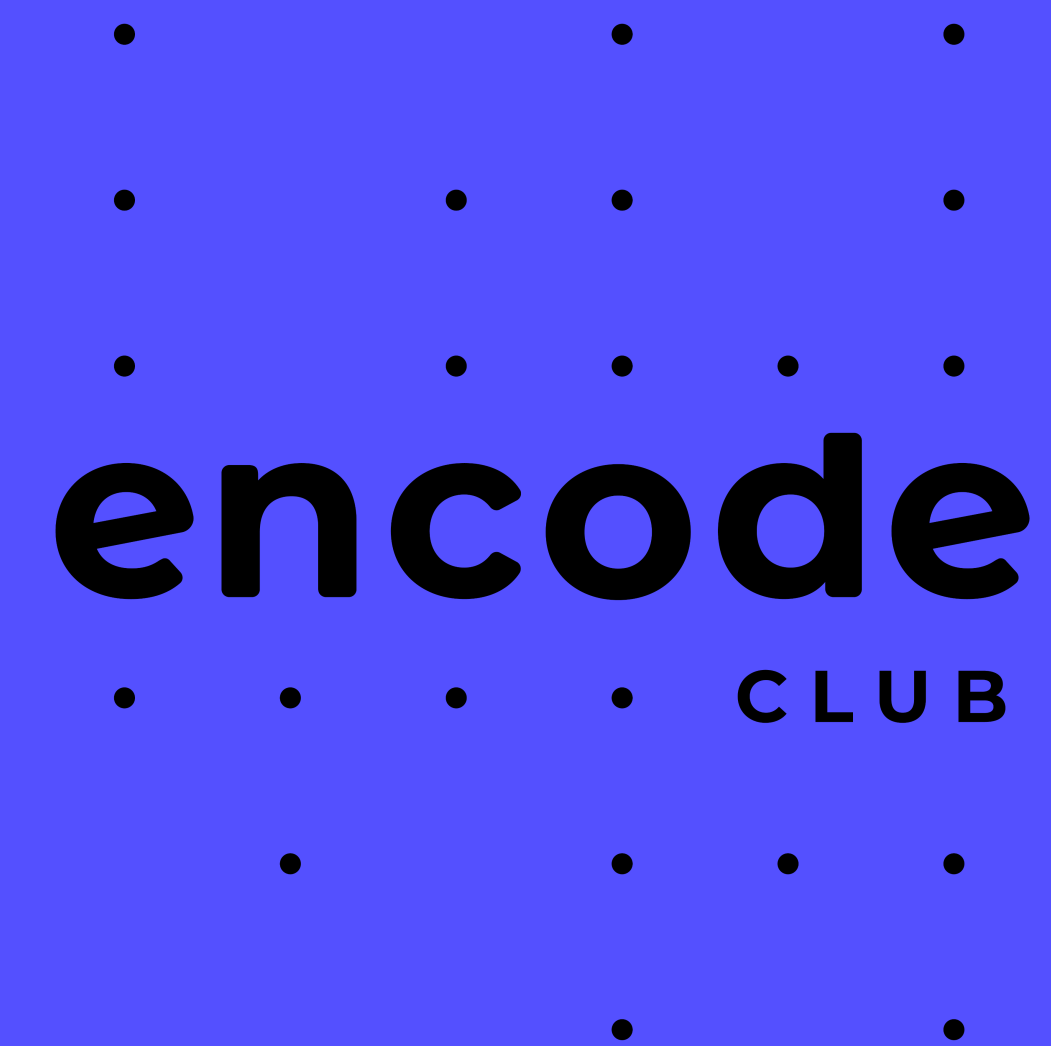


# SIPP

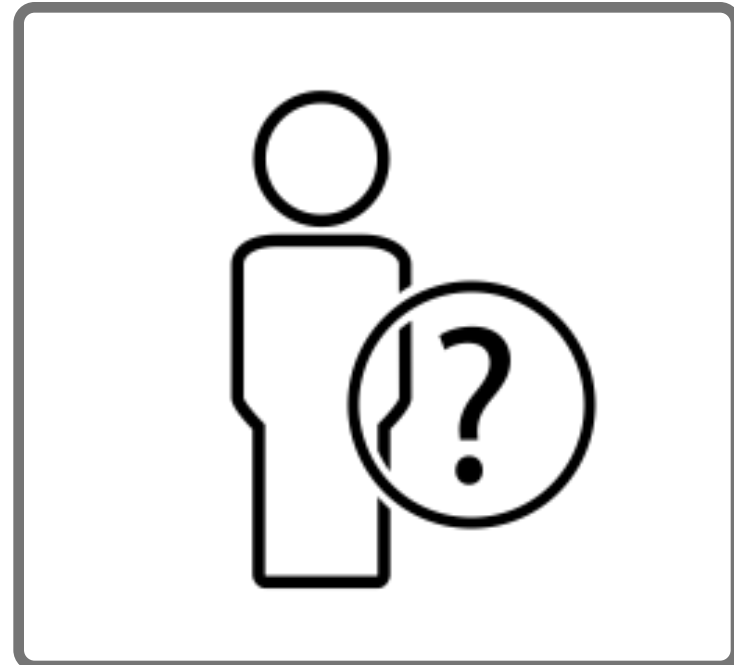
Solana Intellectual Property Protector

# SOLANA RUST BOOTCAMP

ENCODE CLUB | TARIK ACHOUGH | TANGIER, MOROCCO | 2025-07-10



# Who am I ?



## Tarik Achoughi

- Cybersecurity Consultant & Web3 Enthusiast!
- Passionate about keeping YOU safe online.

<https://www.linkedin.com/in/tarik-achoughi/>

# The Critical Problem



## Academic IP Theft: Multi Million Annual Problem

- 30% of academic papers contain plagiarized content.
- Legal disputes cost institutions \$5,000-\$50,000 per case.
- Traditional proof methods are easily manipulated.
- No immutable proof of authorship.
- Manual content analysis is subjective.
- Time-consuming verification processes.
- Expensive legal procedures.

BENEFIT

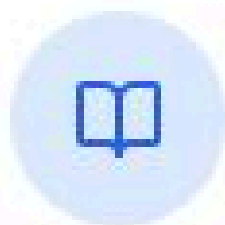
# Why This Matters Now ?

Solana Intellectual Property Protector

[SIPPP]

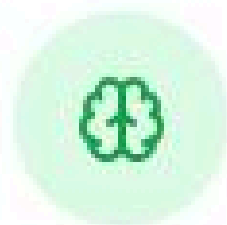
WHY THIS MATTERS NOW ?

Real AI Analysis + Blockchain Protection



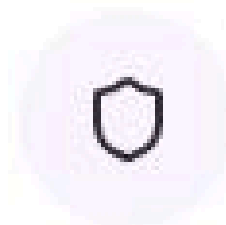
1. Upload Sections

Upload each research section individually  
for focused analysis



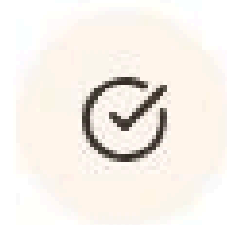
2. Real AI Analysis

Python backend calls GPT-4o for real  
uniqueness scoring and summaries



3. Real NFT Minting

Creates actual data accounts on Solana  
devnet with metadata



4. Explorer Proof

Verifiable on Solana Explorer with  
transaction signatures

The Perfect Storm: Digital Publishing + AI + Blockchain  
Technology Convergence: AI analysis + Blockchain immutability.  
Economic Opportunity: 99.998% cost reduction vs. traditional methods.  
Future-Proof: Scalable solution for growing digital research.

# Our Revolutionary Solution

- **AI Analysis** : GPT-4o provides objective uniqueness scoring
- **Blockchain Proof** : Immutable records on Solana network
- **Section-Level** : Granular protection for each paper component
- **Real-Time** : Instant protection and verification

## KEY INNOVATION POINTS

### Real AI Integration

Live GPT-4o analysis, not simulation

### Production Blockchain 2

Actual Solana devnet transactions

### Section Granularity

Individual protection for each section

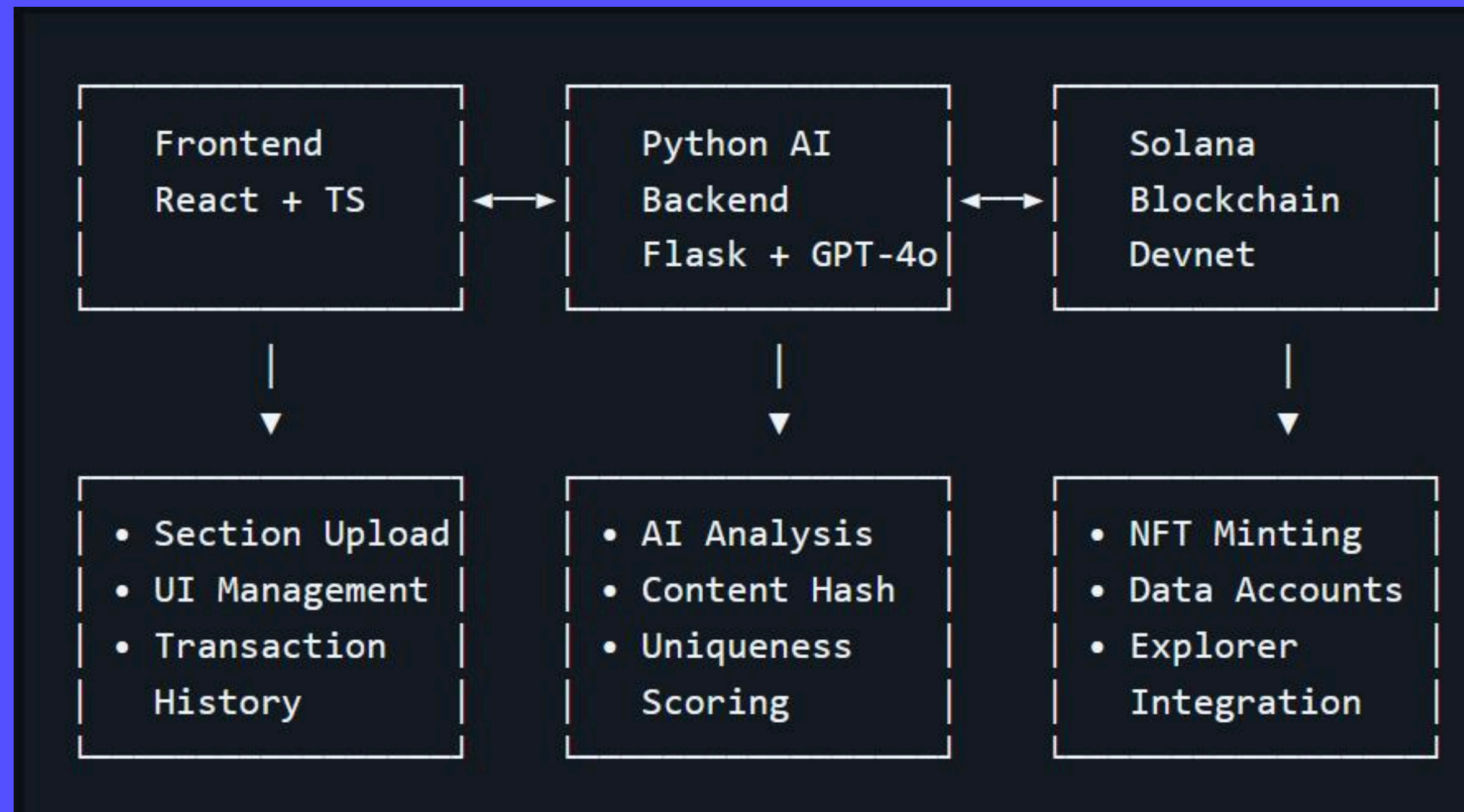
### Cost Efficiency

\$0.12 per complete paper vs. \$5,000+ traditional

### Explorer Verification

Public blockchain proof via Solana Explorer

# Technical Architecture



```
src/  
├── atoms/  
│   ├── Button.tsx  
│   ├── Card.tsx  
│   └── Badge.tsx  
├── molecules/  
│   ├── SectionUpload.tsx  
│   ├── WalletConnection.tsx  
│   ├── SectionCard.tsx  
│   ├── ScoreDisplay.tsx  
│   ├── FileUpload.tsx  
│   └── TransactionHistory.tsx  
├── organisms/  
│   ├── AnalysisResults.tsx  
│   └── PaperAnalysis.tsx  
├── pages/  
│   └── HomePage.tsx  
├── types/  
│   └── index.ts  
└── utils/  
    ├── aiAnalysis.ts  
    ├── nftService.ts  
    └── solanaService.ts
```



BUSINESS IMPACT

# Market Impact

# Focus on the Core 5

<u>Target Market</u>	<u>Cost Savings</u>	<u>Time Savings</u>	<u>Global Access</u>	<u>Legal Strength</u>
25,000+ universities worldwide	98% reduction vs. traditional methods	Hours to seconds for IP protection	Available to researchers worldwide	Blockchain evidence accepted in courts

Abstract

NFT Minted

Generative Artificial Intelligence (AI) has increasingly been used to enhance threat intelligence and cyber security measures for organizations. Generative AI is a form of AI that creates new data wit...

Edit Content

AI Analysis

65/100

The paper discusses the application of Generative Artificial Intelligence (AI) in enhancing threat intelligence and cybersecurity for organizations. Generative AI, which creates new data independently of existing data or expert knowledge, aids in the rapid identification of threats and vulnerabilities, particularly benefiting security operations centers (SOCs). This technology offers an additional defense layer by incorporating diverse data points, improving the ability to counter sophisticated cyber attacks.

NFT Minted Successfully

NFT: GMiaw4o5...a9HA9jhr

View on Solscan

Introduction

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Enter your introduction content here...

Save Content

Related Works

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Save Content

*Repository*

<https://github.com/secfit/solana-ip-protector>

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# Thank you

PRESENTED BY : TARIK ACHOUGH

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