

INTEGRATING

BLOCKCHAIN AND AI

FOR A SECURE AND

EFFICIENT OPEN DATA ECOSYSTEM

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Thriving Open Data Ecosystem

- Data Availability:
 - access rights
- Quality & Integrity:
 guarantee data integrity
 machine readable format
- Accessibility:
 - user friendly platforms
 - preventing data monopolies

- Community:
 - data literacy
 - promote collaboration
- Technological Advancement:
 - AI
 - Blockchain

Challenges of Open Data Ecosystem

Privacy & Security

 Open data systems need strong security measures to prevent unauthorized access or data leaks.

Quality

- Open data quality can vary greatly in accuracy, completeness, and consistency

Community Building

- Critical mass of users
- resources for data collection

Accessibility

- Open data is often fragmented across different platforms and formats, hampering usage.



Blockchain: The backbone of Secure Data



What is Blockchain technology?

Decentralized digital ledger.

Immutability

Tamper Evident.

• Transparency

No Third Parties intermediaries.

• Security

Verified Transactions.

• Autonomous Applications Embedded in the code.



Artificial Intelligence: The Brain Behind Efficiency



• What is Al?

Computer systems that mimic human intelligence.

- Machine Learning & Data Analytics
 Detects patterns and learns from data.
 Processing of larger data sets.
- Automation & Productivity

Automates repetitive & time-consuming tasks.

Predictive Capabilities

Data driven insight.



Beez: Synergy of Blockchain and Al



• What is Beez?

Beez is a decentralized & distributed network designed to revolutionize the way collaboration among peers occurs by incentivizing their participation through its digital asset management and its own GPT Index, privately or openly sourced, guaranteeing the integrity and traceability of the data

Architectural Structure



Beez Network works with 3 types of nodes:

Seed Nodes:
Keeps distributed ledger.

Storage Nodes:
 Stores chunks of encrypted data.

• Smart Nodes: Trains AI models.



The lifecycle of a plastic bottle

- Beez infrastructure can help monitor the life of a bottle from its production, through distribution, use.
- Using IOT and Machine Learning
- Rewards System to incentivize users.



Layer 0: Define Agreements with Industries, Governments, Marketplaces

Layer 1: Blockchain (Supply chain simulation, rewarding functions [wallets], Benefits definitions and interoperability between the most used Blockchains)

Layer 2: Machine Learning (Define Smart Bins, Models, DataSets and combine them into the Blockchain)

Layer 3: IoT (Study Battery Free IoT devises, Integration into Products, update ML models, integration with Blockchain)

The future of Data





THANK YOU