

# Lithic Enables Cryptographic Validation of AI Inference in Decentralized Systems

The blockchain infrastructure platform introduces cryptographic validation methods to ensure trustless verification of AI inference across decentralized environments.



**Seattle, Washington Mar 31, 2026** ([IssueWire.com](https://www.IssueWire.com)) - [Lithic](#), a blockchain platform focused on integrating artificial intelligence with decentralized infrastructure, has enabled cryptographic validation of AI inference to improve trust, transparency, and security in AI-driven systems. The framework is designed to ensure that AI-generated outputs can be verified without exposing underlying data or compromising system integrity.

The validation system applies cryptographic techniques to AI inference processes, allowing outputs to be independently confirmed while preserving privacy. This approach strengthens how decentralized applications handle AI-driven computations, enabling trustless verification across distributed networks.

By embedding cryptographic validation into AI workflows, Lithic supports more secure execution of intelligent processes within blockchain environments. This capability is particularly relevant for applications that require both advanced automation and verifiable outcomes, such as decentralized finance, data analysis, and autonomous systems.

[J. King Kasr](#), Chief Scientist at KaJ Labs, emphasized that cryptographic validation is essential for advancing reliable AI infrastructure in decentralized systems. According to Kasr, ensuring that AI inference can be verified without exposing sensitive data is a critical step toward building trustworthy and scalable decentralized applications.

This development aligns with the broader transition from Web3 infrastructure toward Web4 systems architecture, where verifiable AI execution, trustless coordination, and intelligent automation form the foundation for next-generation decentralized ecosystems.

## **About**

Lithic is a blockchain infrastructure platform focused on integrating artificial intelligence with decentralized technologies to support secure, automated, and verifiable smart contracts and AI execution systems.

## **Media Contact**

KaJ Labs

\*\*\*\*\*@kajlabs.com

8888701291

4730 University Way NE 104- #175

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