



## **Triage-O-matic: The Future of Digital Forensics**

- **Problem Statement ID – 1744**
- **Problem Statement Title – Creating a cyber triage tool to streamline digital forensic investigation**
- **Theme - Blockchain and cybersecurity**
- **PS Category – Software**
- **Team ID –**
- **Team Name (Registered on portal)- Triage-O-matic**

# Challenges Of Forensic investigations

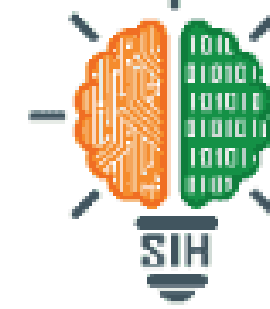


Cyber forensics faces several challenges, including

- data integrity,
- evidence chain of custody
- the rapid evolution of cyber threats.

These issues hinder the ability of investigators to obtain reliable results, necessitating innovative solutions like a blockchain-based approach. People can tamper with evidence, and there is no record of it, but due to blockchain storage, the evidence can't be changed and will always be accessible to people while maintaining transparency.





# SOLUTION

A decentralized, blockchain-based cyber triage tool with advanced AI/ML capabilities for automated analysis and a anomaly detection.

The tool is designed to store

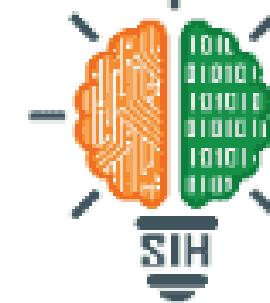
- evidence hashes,
- analysis results, and
- case metadata securely,

utilizing a consensus mechanism like Proof of Authority, suitable for high-security environments.

It includes a triage tool that offers a user-friendly interface for investigators, allowing them to interact with the blockchain to store and retrieve evidence efficiently.







# About Our Project

we've incorporated advanced AI/ML algorithms to automate routine tasks and improve the accuracy of analysis.

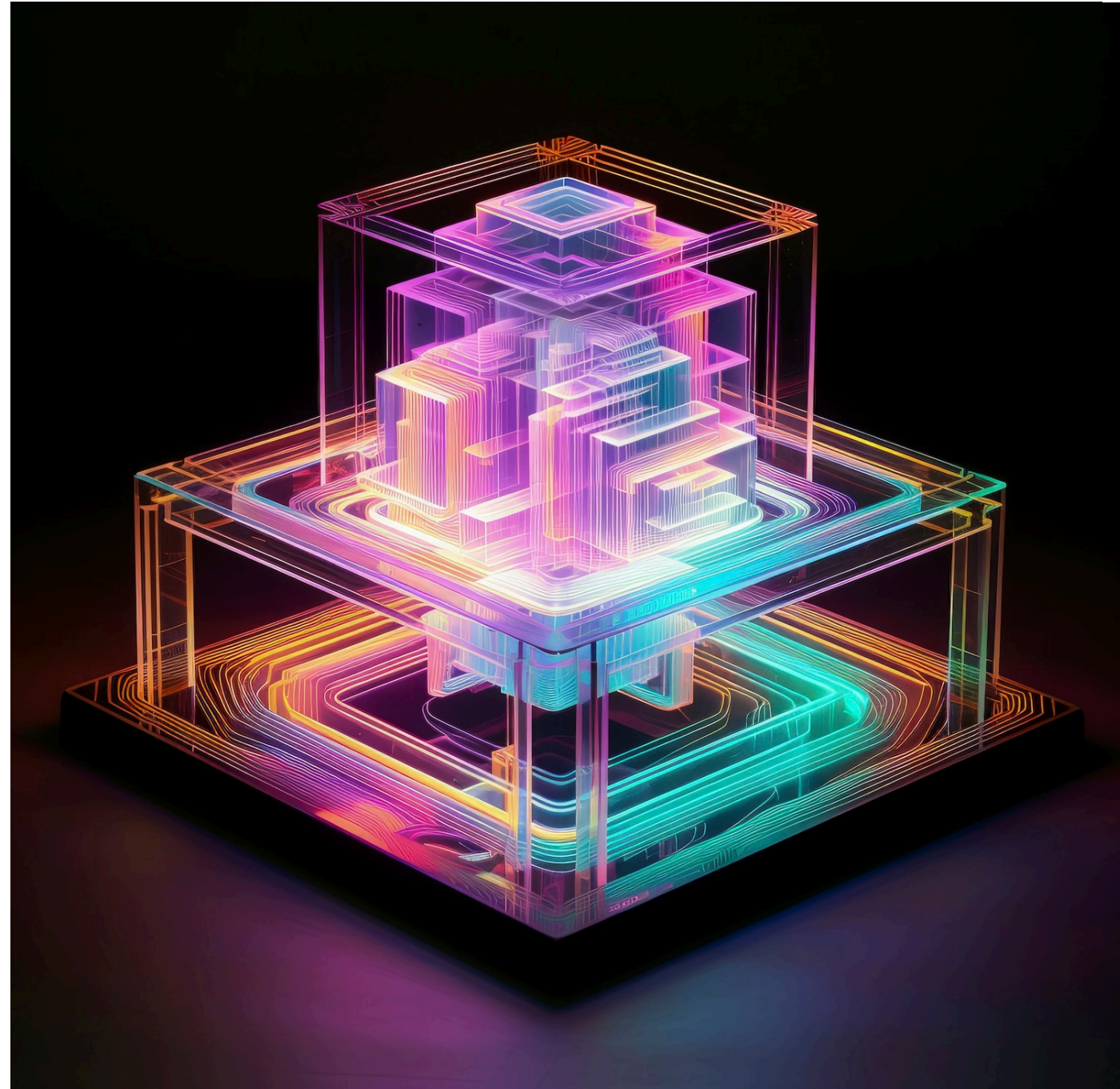
This allows investigators to focus on critical aspects of the case, reducing the time and effort required for investigations.

Our cyber triage tool offers numerous benefits that can significantly improve your organization's security posture.

By automating routine tasks and leveraging AI/ML, we can streamline investigations and reduce response times. This means that you can identify and mitigate threats more quickly, minimizing potential damage.







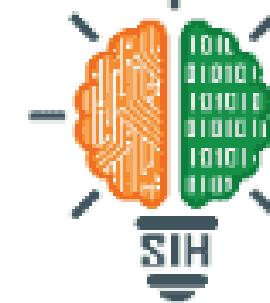
## Understanding Blockchain Technology

Blockchain is a **decentralized ledger** technology that ensures data integrity and transparency. By utilizing this technology, we can create a secure framework for managing forensic evidence.

### Benefits

Implementing a blockchain-based triage tool offers numerous benefits, including enhanced data security, improved evidence integrity, and streamlined investigative workflows. This approach fosters greater collaboration among agencies and ultimately leads to more successful cyber crime prosecutions.





# Conclusion

Our cyber triage tool offers a powerful solution for organizations facing the increasing challenges of cyber threats.

By leveraging blockchain technology, AI/ML, and a user friendly interface, we provide a comprehensive tool for efficient digital forensic investigations.

Our tool offers numerous benefits, including:

- Enhanced efficiency and accuracy
- Improved security and compliance
- Reduced costs

