Decentralised Image Sharing and Copyright Protection Using Blockchain

Niraj Nitin Kathe[1], Prof. Aniruddha Rumale[2], Sakshi Sanjay Koyadwar[3],
Rutuja Zuge[4], Maitreyee Chaudhari[5]

Students[1,3,4,5] and Professor[2]

Sandip Institute of Technology & Research Center, Nashik, India

Abstract: *Because social media platforms like Facebook, Twitter, and Instagram were designed as a way of having direct customer engagement, social media has become an essential aspect of our lives. Here, the issue is that despite these media promises to their customers on important issues like privacy and data security, such promises have not been followed. Social media networks are endangering user privacy in the name of profitability. The primary cause of these problems is the centralised nature of these media. Therefore, the project's goal is to create a decentralised application that would allow users to interact while maintaining their anonymity.*

Keywords: *Blockchain, data integrity, privacy, decentralized, social media*

REFERENCES

[1] G. Wood, "Ethereum: A secure decentralised generalized transaction ledger", Ethereum Project Yellow Paper, 2014.

[2] S. Nakamoto, "Bitcoin: A peer-to-peer electronic cash system", White paper, 2008.

[3] Nick Szabo, "The idea of smart contracts," 1997.

[4] Juan Benet, "IPFS - Content Addressed, Versioned, P2P File System (DRAFT 3)" uploads a file to the IPFS network, that file can be viewed and downloaded by anyone else in the world who is also running IPFS.

[5] Xiaoqing Wang, Chunping Wang, Kun Zhou, Hongbing Cheng, "ESS: An Efficient Storage Scheme for Improving the Scalability of Bitcoin System".

[6] Jianxiang Cao, Miaoran Song, Wenqian Shang, "Blockchain-Based Video Copyright Detection".

[7] Pushpanjali M. Chauragade, Premchand B. Ambhore, "Content Based Image Retrieval and Information Sharing Privacy Survey in Cloud Environment".

[8] V. Monga and B. L. Evans, "Perceptual image hashing via feature points: performance evaluation and tradeoffs", Image Processing, IEEE Transactions on, 15(11):34523465, 2006.

[9] V. Morabito, "Smart contracts and licensing", in Business Innovation Through Blockchain, pp. 101-124, Springer, 2017.

[10] M. Kripa, A. Nidhin Mahesh, R. Ramaguru, P. P. Amritha, "Blockchain Framework for Social Media DRM Based on Secret Sharing".

[11] Jianfeng Shi, Dian Yi, Jian Kuang, "A Blockchain and SIFT Based System for Image Copyright Protection".

Copyright to IJARSCT
www.ijarsct.co.in

DOI: 10.48175/IJARSCT-10835

ISSN
2581-9429
IJARSCT

248