ABSTRACT

AI Chatbots Usage for Human-Computer Interaction, Exploration and Analysis of Blockchain Data

A blockchain explorer is a web-based tool that enables users to view and search the blockchain for transactions, blocks, and addresses. It provides a user-friendly interface to access the data stored on the blockchain, making it easier to track transactions and verify information. Blockchain explorers are essential tools for users, developers, and researchers to interact with and understand blockchain networks effectively.

This keynote focuses on whether AI chatbots can be used as alternatives to blockchain explorers. It will analyze the capabilities of current AI chatbots, both free and paid versions, in retrieving and analysing blockchain data. The discussion will highlight their strengths and limitations compared to traditional blockchain explorers. Additionally, the lecture will address the improvements needed to enhance AI chatbot functionalities for blockchain analysis, including potential integrations, accuracy enhancements, and user experience optimizations. Possible future developments and strategies to bridge the gap between AI chatbots and dedicated blockchain explorers will also be examined.

[1] Guergov, S., Radwan, N., Blockchain Convergence: Analysis of Issues Affecting IoT, AI and Blockchain, Int. J. CIM, vol. 1, no. 1, Dec. 2021, doi: 10.54489/ijcim.v1i1.48.

[2] Kumar, S., Lim, W.M., Sivarajah, U. et al. Artificial Intelligence and Blockchain Integration in Business: Trends from a Bibliometric-Content Analysis. Inf Syst Front 25, 871–896 (2023). https://doi.org/10.1007/s10796-022-10279-0