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[HTML] LLM-based Exploration and Analysis of Real-Time and Historical Blockchain Data

S Gebreab, A Musamih, K Salah, R Jayaraman - Expert Systems with Applications, 2025

Blockchain technology has revolutionized digital transactions and decentralized applications through its transparent and immutable ledger system, with platforms like Ethereum processing millions of transactions daily. However, as blockchain networks grow, traditional blockchain explorers show limitations when providing intuitive access to this vast data landscape, particularly when handling complex analytical queries, interpreting transaction patterns, and serving users without technical ...

- Cites: Bitcoin: A peer-to-peer electronic cash system (White Paper) [↗](#)



Protecting metadata privacy in blockchain-based EHR systems: A group addressing structure

ST Saeidi, HR Shahriari, M Nikooghadam - Journal of Information Security and ..., 2025

With the rapid advancement of Healthcare Information Technology (HIT), the volume of medical data has increased exponentially, creating a critical need for secure and accurate storage and transmission solutions. A serious challenge in this area is ensuring robust privacy protection. While numerous studies have explored the use of blockchain technology for securely sharing electronic health records (EHR), most have focused solely on safeguarding the content of EHRs. However, the privacy of ...

- Cites: Bitcoin: A Peer-to-Peer Electronic Cash System [↗](#)



Uncovering Blockchain Adoption Barriers in the Automotive Industry: A Comparative Study of Electric and Traditional Vehicle Manufacturers

A Chauhan, MV Rani - IEEE Transactions on Engineering Management, 2025

Blockchain technology, renowned for its transformative potential in ensuring secure and transparent transactions, plays a crucial role in enhancing efficiency and transparency within the automotive supply chain. This research delves into essential success factors for blockchain integration, employing methodologies like the PESTLE framework, Analytic Hierarchy Process (AHP), and Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS). A comprehensive total ...


- Cites: Bitcoin: A Peer-to-Peer Electronic Cash System [↗](#)



Attribute-based encryption and zk-SNARK authentication scheme for healthcare systems

S Wang, X Xie, T Wang, J Ma - Journal of Information Security and Applications, 2025

In recent years, the widespread adoption of electronic medical systems has improved the efficiency of diagnosis and treatment. However, the security of physician identity authentication and the protection of patient privacy face serious challenges. Existing biometric-based authentication schemes pose risks of privacy leaks, while attribute-based schemes that support fine-grained access control often lack efficient user revocation and tracking mechanisms. To address this critical need, this paper ...

- Cites: Bitcoin: A Peer-to-Peer Electronic Cash System 



[PDF] A Survey of Recent Advancements in Secure Peer-to-Peer Networks

R Patel, U Biswas, S Kodipaka, W Carroll, P Peranich... - arXiv preprint arXiv ..., 2025

Peer-to-peer (P2P) networks are a cornerstone of modern computing, and their security is an active area of research. Many defenses with strong security guarantees have been proposed; however, the most-recent survey is over a decade old. This paper delivers an updated review of recent theoretical advances that address classic threats, such as the Sybil and routing attacks, while highlighting how emerging trends--such as machine learning, social networks, and dynamic systems--pose new ...

- Cites: Bitcoin: A Peer-to-Peer Electronic Cash System 



OptiVersa-ECDSA: Fast Threshold-ECDSA with Cheater Identification for Blockchains

Y Lv, Y Tao, Z Zhu, H Zou, R Zhang - IEEE Transactions on Dependable and Secure ..., 2025

Threshold-ECDSA is widely used to secure blockchain transactions on-chain or inter-chain thus their online performance is of great importance. The first practical thresholdECDSA was proposed by Gennaro and Goldfeder (CCS'18), based on which, Canetti et al.(CCS'20) built a threshold-ECDSA with cheater identification mechanism (CIM) and fast online signing. However, Canetti et al.'s protocol came with much more communication and computation burden and cannot apply to timely ...

- Cites: Bitcoin: A Peer-to-Peer Electronic Cash System 



MediCon: A Lightweight, Reputation-Based Consensus Protocol to Allow Scalable and Secure Data Sharing in Healthcare

SE Raja, KD Kumar, K Manikandan, BP Shankar... - 2025 3rd International ..., 2025

Blockchain adds more value to healthcare since its tools emerge as an increasingly popular way to secure, transparently, and tamper-proof sensitive medical records. Nevertheless, current consensus algorithms (ie, Proof of Work (PoW), Proof of Stake (PoS), and Practical Byzantine Fault Tolerance (PBFT)) use a lot of energy, have latency issues and are not scalable enough or clinically context-aware, which makes them inapplicable to healthcare settings. Due to the lack of efficiency of existing ...

- Cites: Bitcoin whitepaper [↗](#)



[TXT] ASSIMETRIAS DE PODER E HETEROTOPIAS NA ESCRITA DO MEIO DIGITAL

VC de Menezes Vasconcelos, R Falci...

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..... 11 INTRODUÇÃO.....	
..... 17 1 PODER, HABITUS E AGENCIAMENTOS NO MEIO ...	

- Cites: Bitcoin: A peer-to-peer electronic cash system. 2008 [↗](#)



[PDF] ALGORITMI DI RACCOMANDAZIONE E MANIPOLAZIONE: UN APPROCCIO SISTEMICO ALL'ECONOMIA DELL'ATTENZIONE

M Terenzi - 2025

This dissertation examines the pivotal role of recommendation algorithms in the attention economy, which is a framework that treats attention as a scarce and monetizable resource. The dissertation argues that these algorithms, which are used to personalize content on social media platforms and other digital spaces, can be used to manipulate users and exploit their attention for profit. By exploring the historical and theoretical underpinnings of this phenomenon, the study highlights ...

- Cites: Bitcoin open source implementation of P2P currency [↗](#)



[PDF] Sustavi za upravljanje podacima temeljeni na blockchainu

B Šušnjara - 2025

Sažetak U krajoliku informacijskih znanosti koji se brzo razvija, pojava blockchain tehnologije izazvala je značajan interes kao novi pristup upravljanju podacima. Ovaj diplomski rad istražuje osnove, primjene, izazove i buduće smjerove sustava za upravljanje podacima temeljenih na blockchainu u kontekstu informacijskih znanosti. Počevši s ispitivanjem blockchain tehnologije i njezinih ključnih komponenti, rad se bavi jedinstvenim karakteristikama koje razlikuju blockchain od tradicionalnih baza ...

- Cites: Bitcoin: a peer-to-peer electronic cash system [↗](#)



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