

EduChain - Blockchain for Education

Abstract

EduChain is a systematic review exploring the transformative potential of blockchain technology in the education sector. The project examines how blockchain can enhance the transparency, security, and efficiency of educational processes such as credential verification, student data management, and cross-institutional record sharing. By analyzing existing case studies and literature, EduChain highlights blockchain's role in issuing tamper-proof digital credentials, automating educational agreements through smart contracts, and supporting micro-credentials for skill-based learning. The review also addresses challenges such as scalability, integration with existing systems, and the barriers to adoption in educational institutions. Through this analysis, EduChain provides valuable insights into how blockchain can reshape the future of education by promoting trust, reducing fraud, and ensuring data integrity in an increasingly digital world.