BLKN 420 Decentralized Model and Consensus Mining

MICROCREDENTIAL AWARDED TO

Kopano Dichaba

Specific Learning Objectives:
Define and explain the benefits and relevance of blockchain technology and decentralized systems. Identify and describe the mechanics of blockchain mining. Analyze various consensus algorithms, including Proof-of-Work (PoW), Proof-of-Stake (PoS), and Delegated Proof-of-Stake (DPoS). Evaluate the role of consensus mining in securing decentralized networks. Discuss the importance of wallet security and storage in the context of cryptocurrency. Assess various wallets for storing cryptocurrency, considering their features and limitations. Explain how blockchains are secured and maintained. Identify and analyze emerging trends and future applications of blockchain technology. Apply the WIIFM model to enhance understanding and relevance of learning content. Engage in critical thinking and problem-solving related to blockchain technology and decentralized systems. Demonstrate effective communication and collaboration skills in group activities and discussions. Conduct research using various resources to deepen understanding of course topics. Synthesize and integrate knowledge from various sources to support arguments and analyses. Reflect on personal learning and growth throughout the course. Develop a foundation for further exploration and study in the blockchain industry.

In partial fulfillment of the requirements for the nanodegree of

Blockchain Studies (CSC - BSTUD)

(4.5 Clock Hours) (80% Passing Score)

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Verification ID: **6675c56928eaef0b970d03c3**

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