BLKN 311/DAPP 311 Blockchain-Enabled Electronic Health Records

MICROCREDENTIAL AWARDED TO

Martial AYISSI

Specific Learning Objectives:
Define and explain the core concepts of blockchain technology, including decentralization, consensus mechanisms, and smart contracts (Knowledge). Discuss the potential impact of blockchain technology on the healthcare industry, with a focus on electronic health records and clinical trials (Comprehension). Analyze the advantages and disadvantages of using blockchain technology in healthcare settings (Analysis). Evaluate the security, privacy, and interoperability of blockchain-enabled electronic health records (Evaluation). Propose potential use cases for blockchain technology in clinical trials, considering data integrity, traceability, and transparency (Synthesis). Compare and contrast various blockchain platforms in the context of healthcare applications (Analysis). Describe the role of decentralized identities in managing and regulating personal health data (Knowledge). Explain the benefits of expedited verification of medical professionals' credentials through blockchain technology (Comprehension). Assess the potential challenges and ethical considerations associated with implementing blockchain technology in healthcare (Analysis). Develop a blockchain-based solution for a real-world healthcare problem, considering the practical and technical aspects (Synthesis).

In partial fulfillment of the requirements for the nanodegree of

Blockchain Studies (CSC - BSTUD)

(4.5 Clock Hours) (80% Passing Score)

10 Mar 2024

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