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(57) Abstract :

The present invention discloses building a secure online learning platform using homomorphic encryption. Homomorphic encryption is a type of encryption that allows computations to be performed on encrypted data without decrypting it, which can provide strong security guarantees for sensitive data. A system for creating a secure online learning platform includes three modules: a user management module for implementing user authentication and authorization processes; a content management module for managing and organizing educational resources and data. Homomorphic encryption protects educational resources and data from unauthorized access and enables secure processing and analysis without decryption.

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