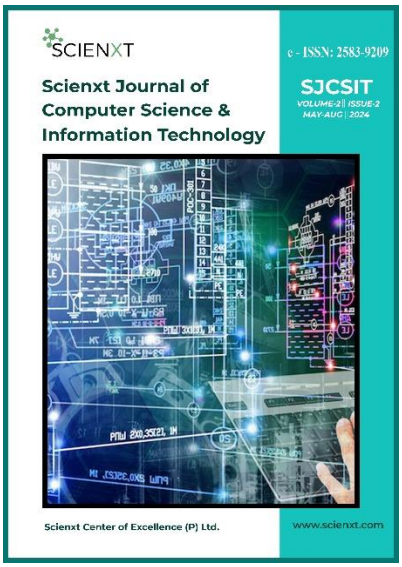

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Software piracy prevention using steganography

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Abstract:

This research presents a Python-based software tool integrating PyQt6 for GUI development and Google Drive API for cloud storage management. The software offers functionalities for installation, license validation, and secure distribution of software licenses. Utilizing PyQt6, the graphical interface facilitates user interaction during installation processes and license verification. The Google Drive API integration enables seamless upload, download, and management of files, ensuring secure storage and distribution of software licenses. Additionally, the software employs steganography techniques for embedding license information within images to enhance security during distribution. Through these combined features, the software provides a robust solution for software installation, licensing, and distribution, catering to both user convenience and data security requirements. This research contributes to the development of efficient and secure software distribution mechanisms, addressing contemporary challenges in software piracy and license management.

Keywords:

Cryptography, Steganography, Data Security, Data Protection, Google Drive API, PyQt6