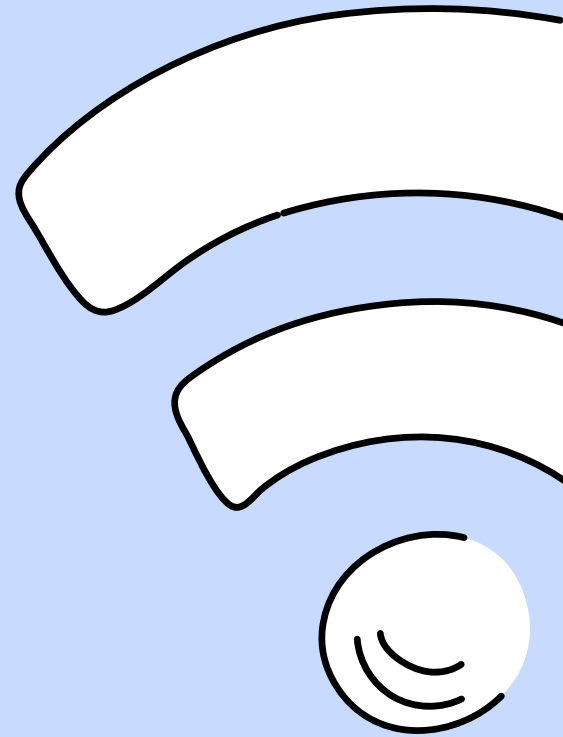


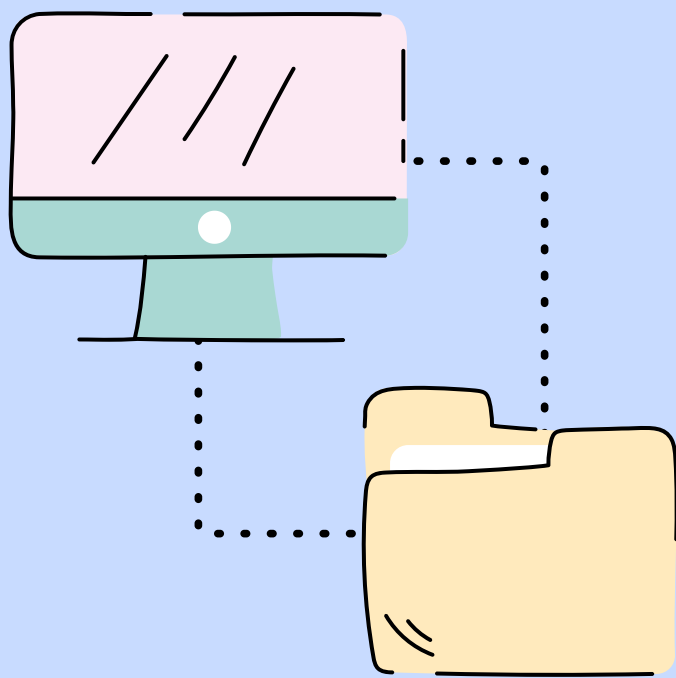
# HASHLINE - A FILE INTEGRITY MONITOR



## Ensuring the Integrity of Your Critical Files

HashLine is a Python-based solution that ensures file integrity by detecting unauthorized modifications, additions, or deletions. This tool helps users maintain the security of their system's file structure.

### Key Features



- SHA512 Hashing: Compare file states using secure hashing algorithms.
- User-Friendly GUI: Built with tkinter, the interface makes file monitoring accessible to all.
- Comprehensive Monitoring: Monitors both files and subdirectories.
- Real-Time Tampering Detection: Identifies modifications, deletions, and additions promptly.

### Architecture Overview



- Frontend - Tkinter-based graphical interface for user interaction.
- Backend - SHA512 hashing algorithm with Python libraries.
- Baseline Management - Maintains separate baseline files for directories.

