3. GitLite - Lightweight Git Version Control Tool (C++)

Description:

A minimalistic version control system developed in C++. It mimics core Git functionality such as commit, log, and branching. This project was completed during my 3rd semester.

Key Features:

- Mimics core Git functionalities: commit, log, branching
- Version control for file changes

Technical Highlights:

- File system manipulation for version tracking
- Implementation of hashing for content integrity
- Branching logic and merging concepts

Dependencies:

- C++