Hidden Scanner for Class Project

The tool is written in Python and uses argparse to accept a --path argument, allowing users to scan either a single file or an entire directory. It logs progress using Python’s logging module, with clear INFO and ERROR messages.

Regex-based detection is implemented for five secret types: API keys, passwords, AWS secret access keys, authorization tokens, and private keys. Each match is reported with the filename, line number, match type, and matched string.

The output is clean, readable, and for professional use. No external packages are required, and the project runs smoothly in GitHub Codespaces without pip install.

Test files were created to validate each rubric requirement. Screenshots of successful runs are included in the submission to demonstrate functionality.

This project reflects best practices in CLI design, logging, regex implementation, and documentation. Thank you.