Python Coding Test

Main objective:

Write a standalone CLI application in Python that uploads an arbitrarily specified local file to an arbitrarily specified remote path on Google Drive. When a remote path is specified, the application must reuse as many of the sub-paths as possible to avoid path name duplication. If a file of the same name exists at the remote path, the application will simply upload an additional copy.

Choose your authentication method wisely. It should be flexible enough to support uploading to an arbitrary Google Drive account with minimal effort while maintaining security.

The following are requirements:

1. Clear instructions on how to adapt your application for an arbitrary Google Drive account.
2. The entry-point script is named `google_drive_upload.py`.
3. The script has a required argument named `--source-file` for the name/path of the local file to upload.
4. The script has an optional argument named `--destination-path` for the destination path on Google Drive to upload.

Considerations:

Please apply your best judgment with your understanding of the language and its development support when doing this test. Your application's ease of adoption and use should be a key consideration. You will be judged based on the following qualities:

1. Correctness
2. Stability / Error and edge-case handling
3. Security
4. Readability
5. Performance

Your application will be executed on a pristine VM host running a minimal installation of Ubuntu Server 22.04.1 LTS. Clearly document the steps necessary to execute your code in such an environment.

Please deliver your submission in a single, archived file that is compatible with 7zip. If you want to share via a GitHub repo, please create a release for the archive; only the one marked "latest" will be considered.