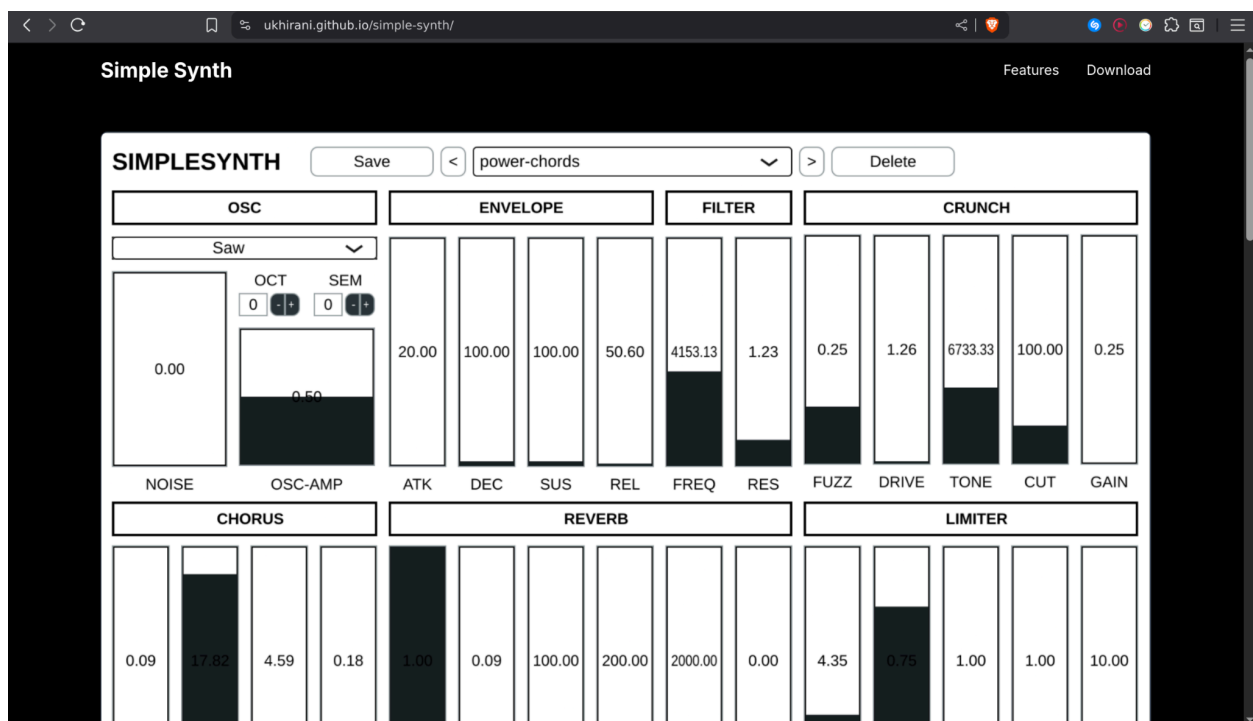# Deployment and Operations
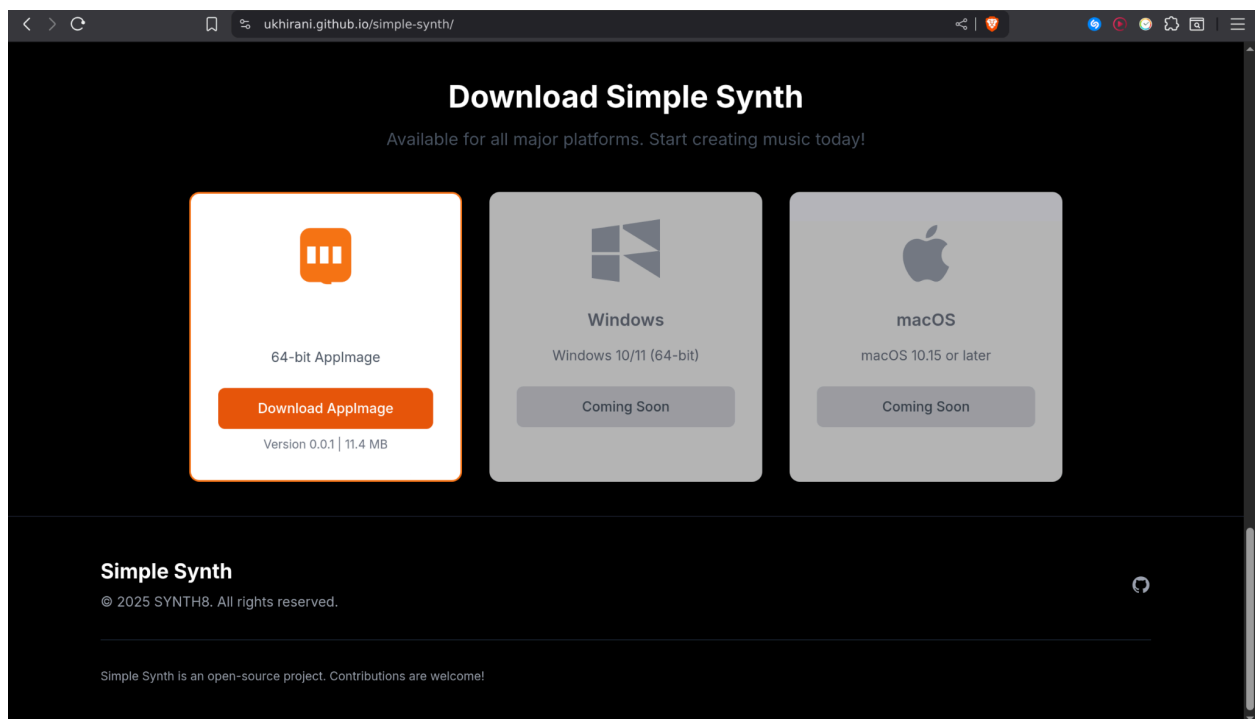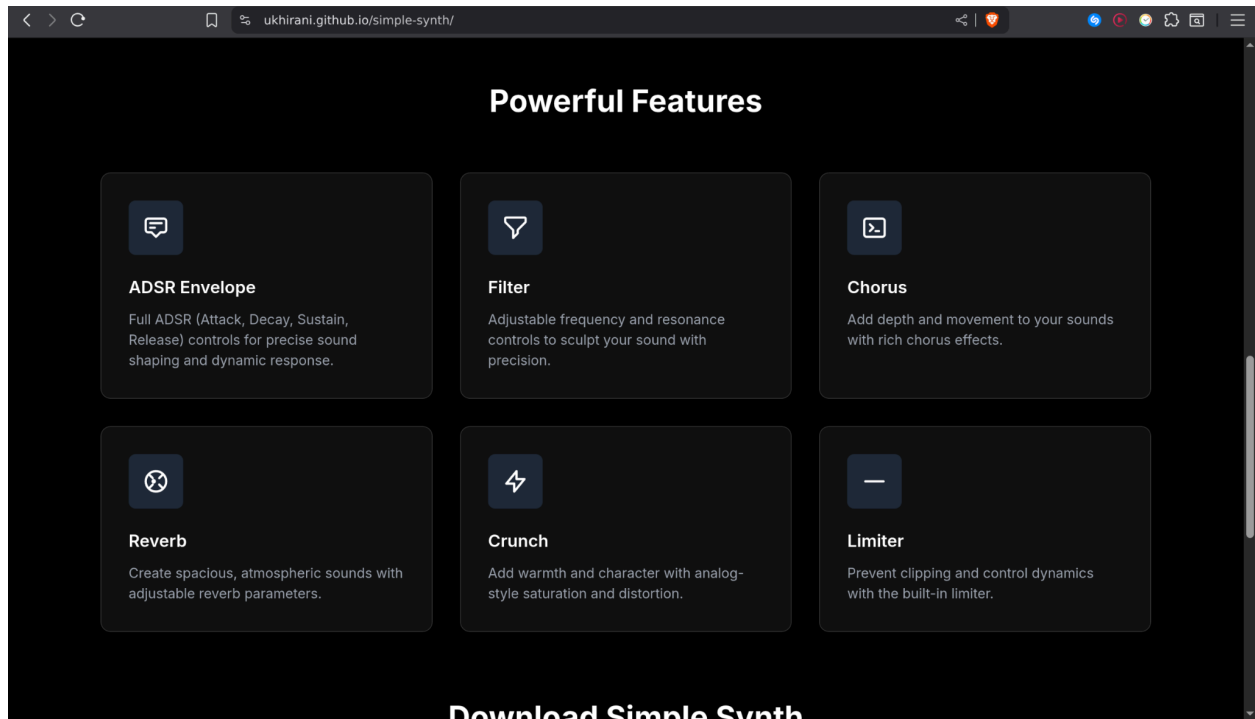
Umang Hirani   92200133025

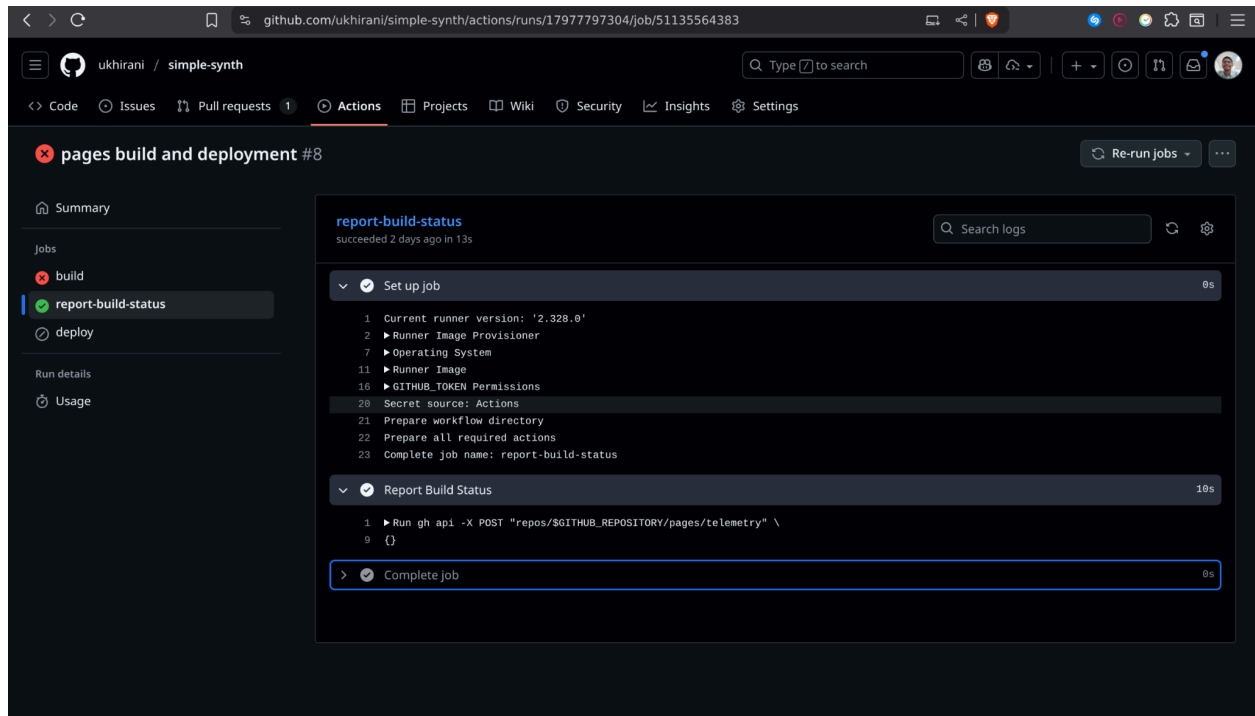
Live Deployment:

- The whole application is deployed to a static website which will allow the users to download the up-to-date desktop application for their OS of choice.
- Live Deployed Link (https://ukhirani.github.io/simple-synth/)
- Here are the screenshots for the same

Monitoring:

- Since this is not a web based application, it cannot have real time monitoring, however the CI/CD build and pipeline can be monitored through github
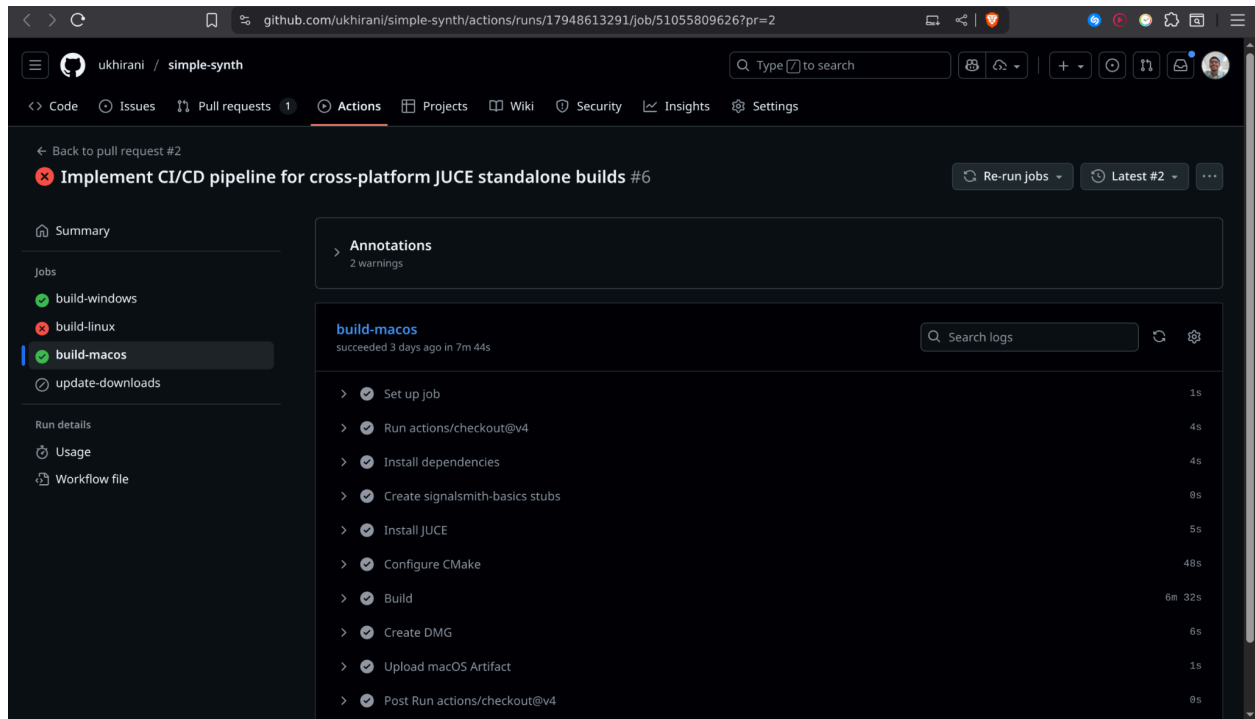
Maintenance Plan:

- Bug fixes and software updates can be rolled out rigorously to fix any dependency issues that the user might face and to also add new features that will include potential optimization and address any issues that might come up later.
- Hardware limitations will be definitely there due to the software not being able to perform equally on all systems. It might perform good on a high performance computer but will do the reverse on a rather slower hardware.
- Regular maintenance routines can be implemented to address fixes to the user's issues.

CI/CD Pipeline for cross compiling for OS native standalone desktop apps.

- Initially I tried writing a CI/CD pipeline that will compile the app for all the different OS natively and ship it to the deployed website so that the users can download the most up to date version of the standalone application.
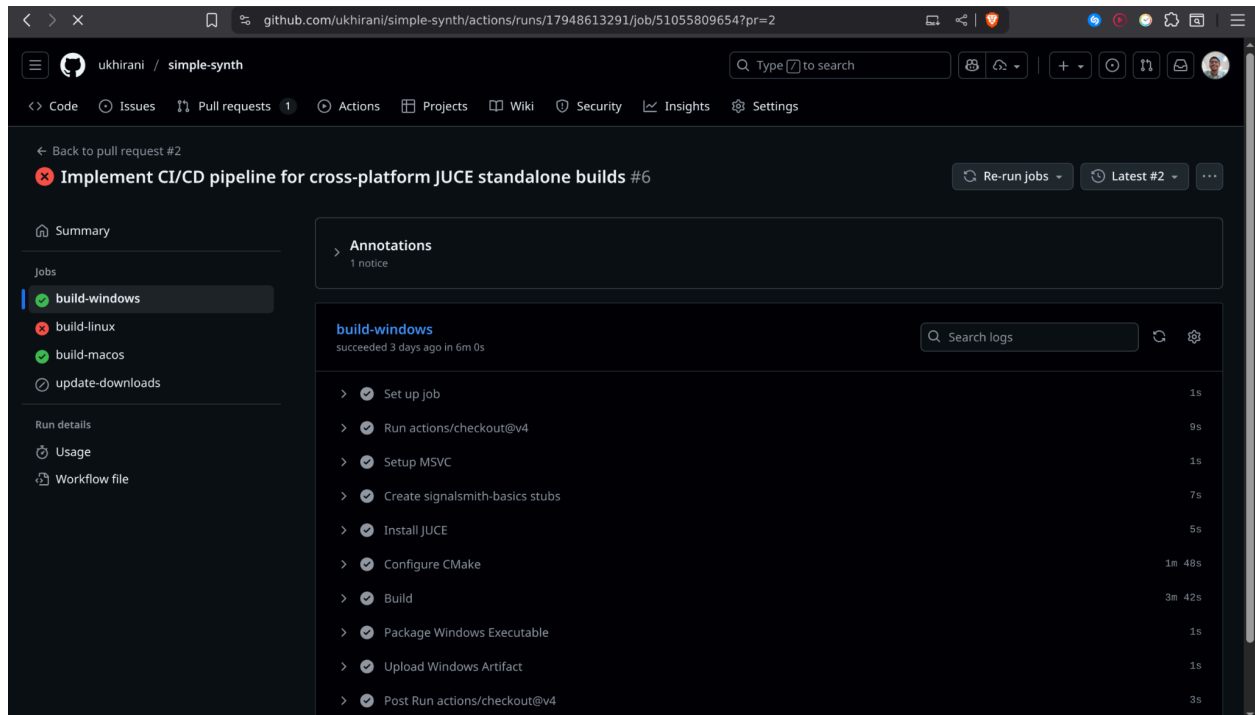- Here are the snippets for the same :

CI/CD pipeline attempts screenshots

For MacOS

For Windows

For Linux