GitHub is a website that stores files for any user. GitHub is used by most tech companies and most jobs. It makes editing code and sharing your programs with other users. One of the main benefits of sharing code on GitHub is that you do not need to download the code so protects you from getting viruses or any malware problems. The main reason so many people use it too is because it is free.

GitHub allows the user to create an account and then create a coding project. From creating the project, you can upload the files by just dropping the files into the project. The more common way would be to push the file to the project directly from your IDE.

Most IDEs allow you to link your GitHub account to it. From linking them you can easily commit the program or multiple programs at a time. Then you get a link from the GitHub project and attach it to the IDE when pushing the programs. This simplifies the process because you can do it directly from the IDE instead of dropping the files into GitHub.

Another benefit of GitHub would be that once you push the file you can still edit the code. It is not a static file, so that makes it convenient for group projects. One person can push their files and then another person can pull the file and edit what they want. After they edit what they need to, then repush the file back to the project.

For pulling a file you need a pull request. The request tells the others who pulled the file and what they changed in the file. So, if someone broke the file when they pushed the file you can go to the version before they pushed it and keep that version. This is very beneficial for group assignments because it helps when someone breaks the program so now you have a backup.

You can also use your GitHub for showcasing your work for applying to jobs. You get to showcase your work while also having people run the code of, they wanted to. It is like a portfolio for you. You can add a readme file to describe what the program is and what it accomplishes. You also do not have to include just program files you can include any files you want. For example, I have an algorithms program on GitHub which also includes a word document. The document describes the runtimes of each algorithm and a graph of each algorithm.

There is essentially no downside to using GitHub. GitHub strictly helps companies with its accessibility. It is strictly beneficial for its accessibility to share files. Now and days pretty much every person and every company uses GitHub. If you do not have a GitHub account now and days, then you are strictly not a good candidate for companies.

Sources:

<https://blog.hubspot.com/website/what-is-github-used-for#:~:text=It's%20used%20for%20storing%2C%20tracking,collaborate%2C%20and%20pitch%20their%20work>.

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