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Tool : Github

Lab : S18

A platform for version control and collaboration is called GitHub. It allows you and others to collaborate on projects from any location. The GitHub fundamentals covered in this tutorial include repositories, branches, commits, and pull requests.

An intriguing tool that may be helpful for many stages of the software development process is ChatGPT. ChatGPT can offer extra viewpoints and help with various activities, from coming up with ideas and requirements to writing code and tests, as an LLM that has "read" billions of web pages can. It is a flexible tool with the potential to increase productivity and decrease errors in the software development process because it can be used in various stages of the software lifecycle. GPT4, the LLM that drives ChatGPT, may now interface with other tools like a web search engine, sandboxed coding environment, or knowledge management repository. As a tool that doesn't yet create "fully baked" outcomes, we believe ChatGPT is best utilised as an input to a process, such as assisting with a first draught of a tale or the boilerplate for a coding assignment.

We advise organisations to consult their legal teams before using these AI tools because there are concerns about intellectual property and data protection, as well as some open legal issues. We encourage other clients to investigate the product and weigh its potential advantages since some of our clients have already started experimenting with ChatGPT at various stages of the software lifecycle. We anticipate that, similar to GitHub Copilot, a "for business" option will soon be accessible, which could reduce worries about intellectual property.

It is employed for archiving, monitoring, and teamwork on software projects. It makes it simple for developers to cooperate with one another on open-source projects and share code files. Developers can cooperate, network, and pitch their work publicly on GitHub, which also functions as a social networking platform.

A web-based interface called GitHub makes use of Git, an open source version control system that enables many users to simultaneously make distinct modifications to web pages. Carpenter points out that GitHub encourages teams to collaborate in real-time to create and change the content for their websites.

Github is simple for beginners to use. To learn how to publish code to GitHub, you really just need to be familiar with a handful of Git commands. GitHub will be simple to use if you are already familiar with Git, but it will be more challenging if you are not. As a beginning or prospective developer, joining GitHub can alter everything.

Because of GitHub's user-friendly design, even newbie programmers can benefit from Git. Without GitHub, utilising Git typically necessitates a little more command-line experience and technical know-how. However, because GitHub is so user-friendly, some individuals even use it to handle different kinds of projects, including writing books.