Lab 13 Part F

Artificial Intelligence is definitely changing the way we, as software developers, work. It’s not replacing us, but it’s reshaping how we approach problems and the tools we use to build solutions. Personally, I see AI as something that can boost productivity, help with repetitive tasks, and even improve the quality of code, but it also means we need to adapt constantly.

Our work as developers involves a wide range of tasks understanding business requirements, designing systems, writing and testing code, debugging, reviewing code, documenting, deploying, and maintaining applications. On top of that, we also need soft skills like communication, teamwork, and problem-solving.

AI can support us with many of these technical tasks. For example, it can suggest code snippets, find bugs, write tests, generate documentation, and even help with architectural decisions in some cases. Tools like GitHub Copilot or ChatGPT can act as a coding assistant, saving a lot of time on boilerplate code or researching syntax.

However, there are still areas where human input is crucial understanding the context of a project, making strategic decisions, interacting with clients or stakeholders, and ensuring ethical use of technology. AI might be able to generate a lot, but it doesn’t always understand why something matters the way we do.

To stay relevant and keep my job in this changing landscape, I know I have to keep learning not just new programming languages or frameworks, but also how to effectively use AI tools. It's important to stay curious, improve my communication skills, and be ready to adapt as new technologies come out. Also, building a strong understanding of systems, logic, and the principles behind good software design will always be valuable, with or without AI. In the end, I believe the best way to thrive as a developer is to embrace AI as a partner, not a threat.