

Lab 13 Part F

AI is changing how software developers work every day. It can help with many tasks that used to take a lot of time and effort. Instead of doing everything manually, developers can now use AI tools to speed things up and get suggestions.

How will my work change?

AI won't replace developers, but it will become a strong helper. I will spend less time writing repetitive code and more time thinking about how to design systems, solve problems, and review what the AI suggests. It's like having an assistant who works fast—but I still need to check the results and make final decisions.

Tasks a developer does and how AI helps:

- Writing code: Yes, AI can suggest code or write simple parts automatically.
- Debugging: Yes, AI helps find and explain errors.
- Designing systems: Not much. This still needs human thinking and experience.
- Writing documentation: Yes, AI can summarize or create drafts quickly.
- Learning new tech/tools: Yes, AI can answer questions and explain new things.
- Testing: Yes, AI can write test cases or simulate behaviors.
- Reviewing code: Yes, AI can suggest improvements or find bugs.
- Talking to clients or team: No. This still needs human communication and understanding.

What should I do to keep my job?

1. Keep learning. AI changes fast, so I need to stay updated.
2. Focus on problem-solving. AI is good at tasks, but humans are better at big-picture thinking.
3. Check AI's work. AI can make mistakes, so I need to review it carefully.
4. Improve teamwork and communication. These are human strengths that AI can't replace.
5. Be creative. I can come up with new ideas and better ways to do things, something AI can't do on its own.