Copilot is GitHub's latest innovation. It is in fact an AI-powered pair programmer that helps you to write code more efficiently and accurately, saving you time and increasing your productivity. It uses OpenAI's Codex to suggest code as you type, giving you instant access to a vast library of code snippets and examples to choose from. Whether you are a beginner or an experienced developer, Copilot can help you write better code, faster.

Copilot is an excellent learning tool for students and a powerful productivity tool for faculty. Copilot can help students learn to code more effectively, while faculty can utilize Copilot to enhance their coding productivity, saving them time and allowing them to focus on other critical tasks.

Some benefits include:

1. **Faster coding**: Copilot provides intelligent suggestions, allowing you to code more quickly and efficiently.
2. **Improved accuracy**: Copilot's advanced algorithms help you avoid common coding errors, improving the accuracy of your code.
3. **Learning opportunities**: Copilot can help you learn new coding techniques and best practices through its suggestions and recommendations.

GitHub's Copilot is a game-changer for the coding industry and can help you take your coding skills to the next level. We encourage you to explore this innovative tool and see for yourself the impact it can have on your coding experience.
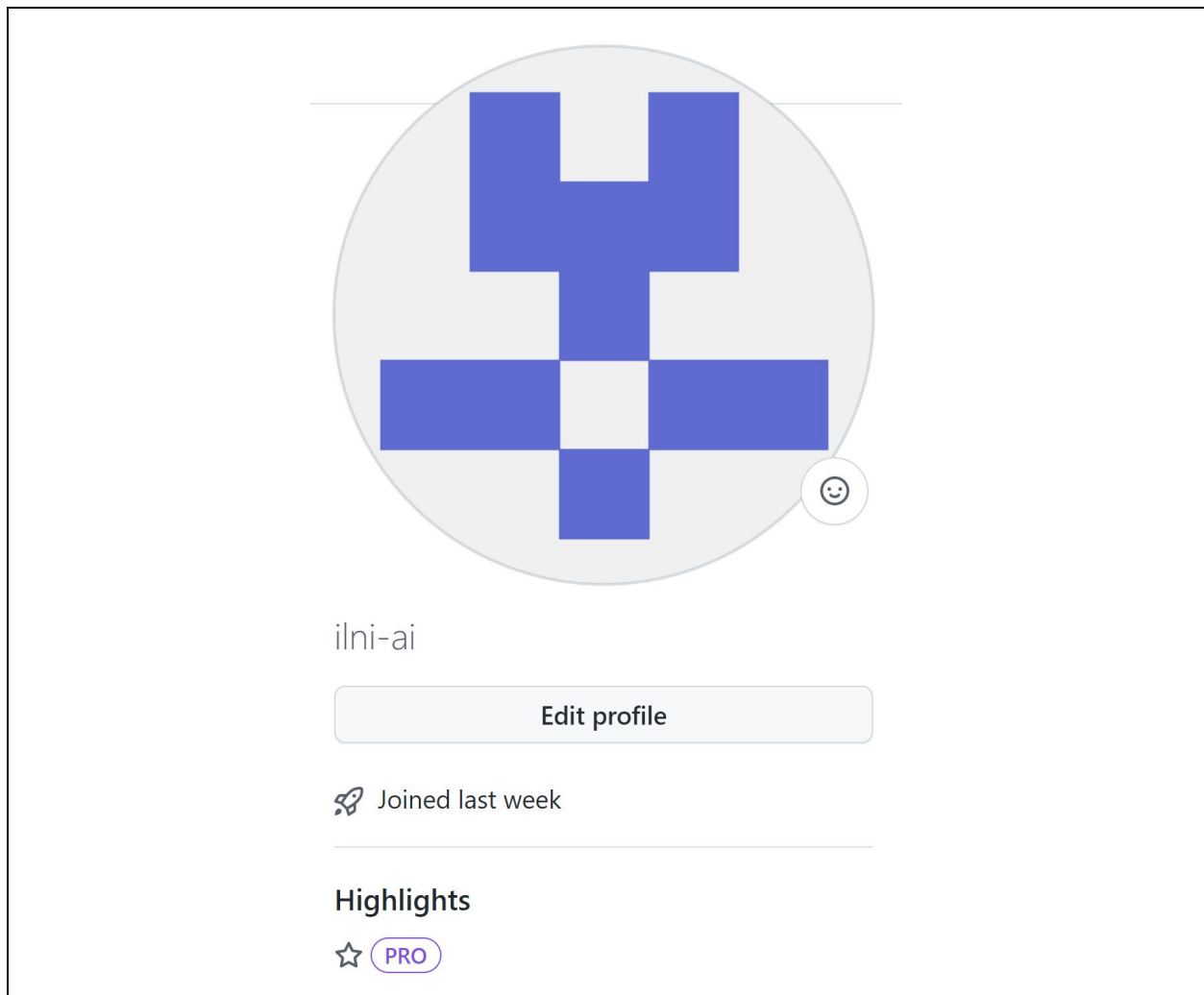
Copilot is available for free to both faculty and students through **https://education.github.com/**. I introduced Copilot to my class in Week 9, and we used it to implement a lab session exercise.

To activate Copilot in your GitHub account and start using it in VS Code, follow these steps:

1. Go to https://education.github.com/
2. Sign in or create a new GitHub account with your myCentennial email
3. Under Benefits, select either faculty or student
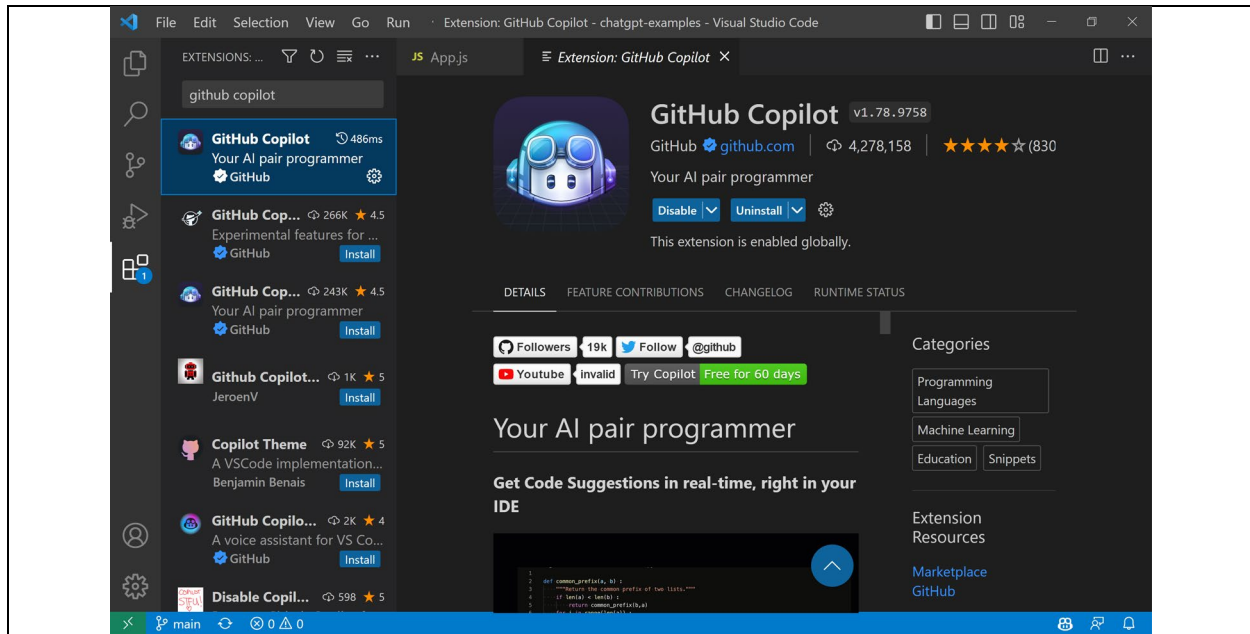4. Choose your myCentennial email and continue

5. Upload a document that confirms your status as a faculty member or student (such as your college card that contains a date or your MyCentennial schedule for the current term. I removed the faculty number).
6. Check the email sent from GitHub
7. Check your profile in the new GitHub account, which should show 'Pro' under highlights once the verification process is complete.
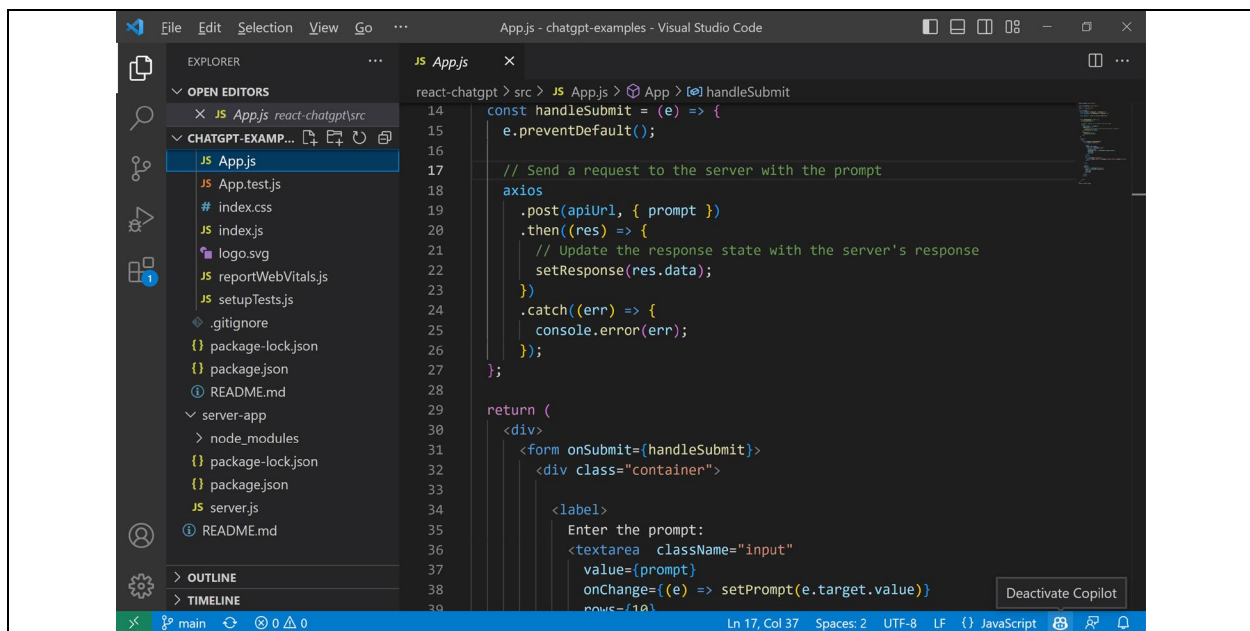

8. In VS Code, install GitHub Copilot extension.

9. Load a project, and it will prompt you to log in to GitHub. After logging in, Copilot will be activated, and you can find its icon in the bottom-right corner of VS Code

When you start writing code, Copilot will help you by writing snippets of code. It's your job to check if the generated code makes sense for your app.

We have been promoting pair programming in our programming classes for years, and now, with Copilot, it's more accessible than ever before. You get two amazing tools at once - GitHub and Copilot!

Nice eh!

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