Microsoft AI Skills Fest - Build applications with GitHub Copilot agent mode - slides overview

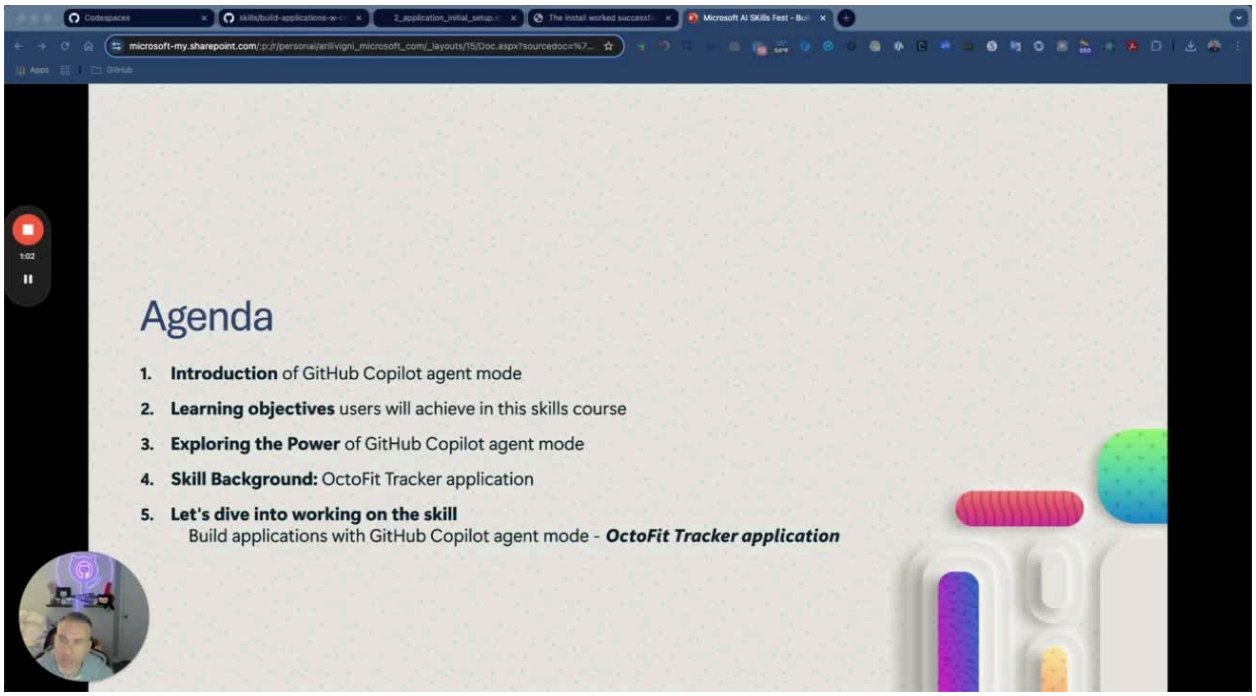
SOP: Building Applications with GitHub Copilot Agent Mode

Objective

To provide a clear and concise standard operating procedure for team members to effectively build applications using GitHub Copilot Agent Mode, ensuring minimal misunderstandings and maximizing productivity.

Key Steps

1. Start Building the Application 0:49

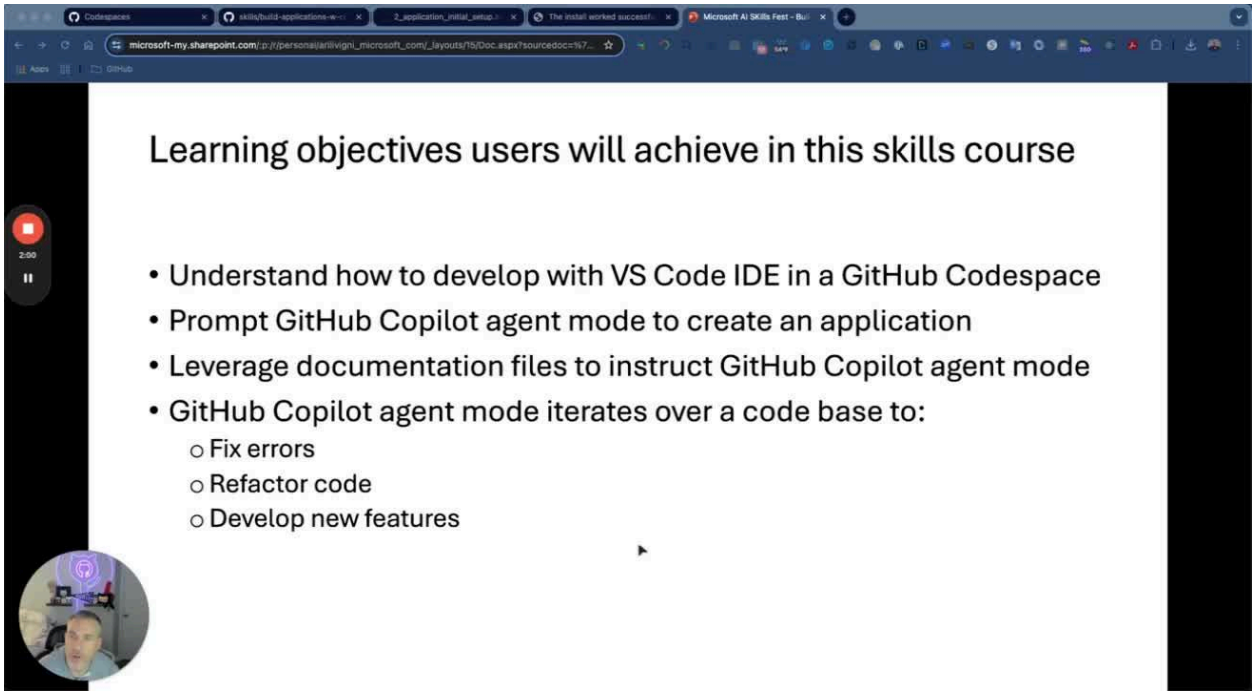


- Begin the process by creating a new application called OctoFit Tracker using GitHub Copilot Agent Mode.

2. Understand GitHub Copilot Agent Mode 1:14

- Familiarize yourself with the capabilities of GitHub Copilot Agent Mode, which acts as an autonomous peer programmer capable of performing multi-step coding tasks.

3. Set Up Your Environment 1:38

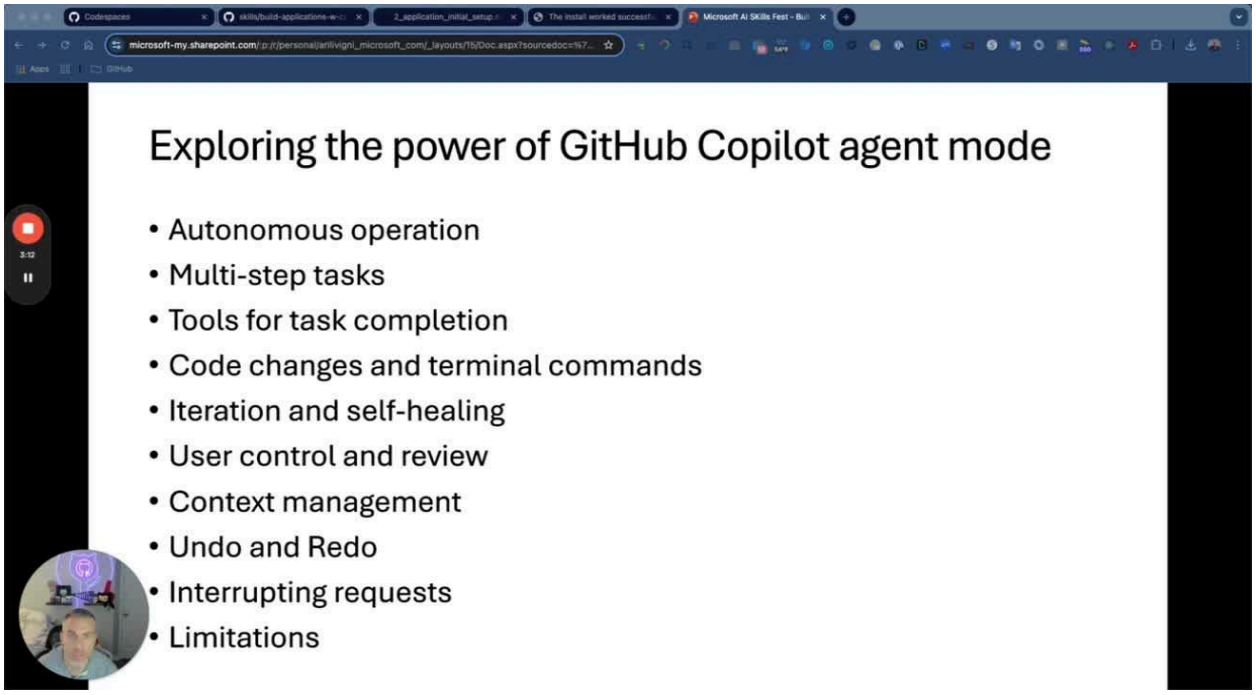


- Ensure you are using the VS Code IDE in a GitHub Codespace with GitHub Copilot Agent Mode enabled.

4. Leverage Documentation 2:03

- Utilize the documentation files in the GitHub repository to guide GitHub Copilot Agent Mode in creating the application.

5. Use Tools for Task Completion 2:39

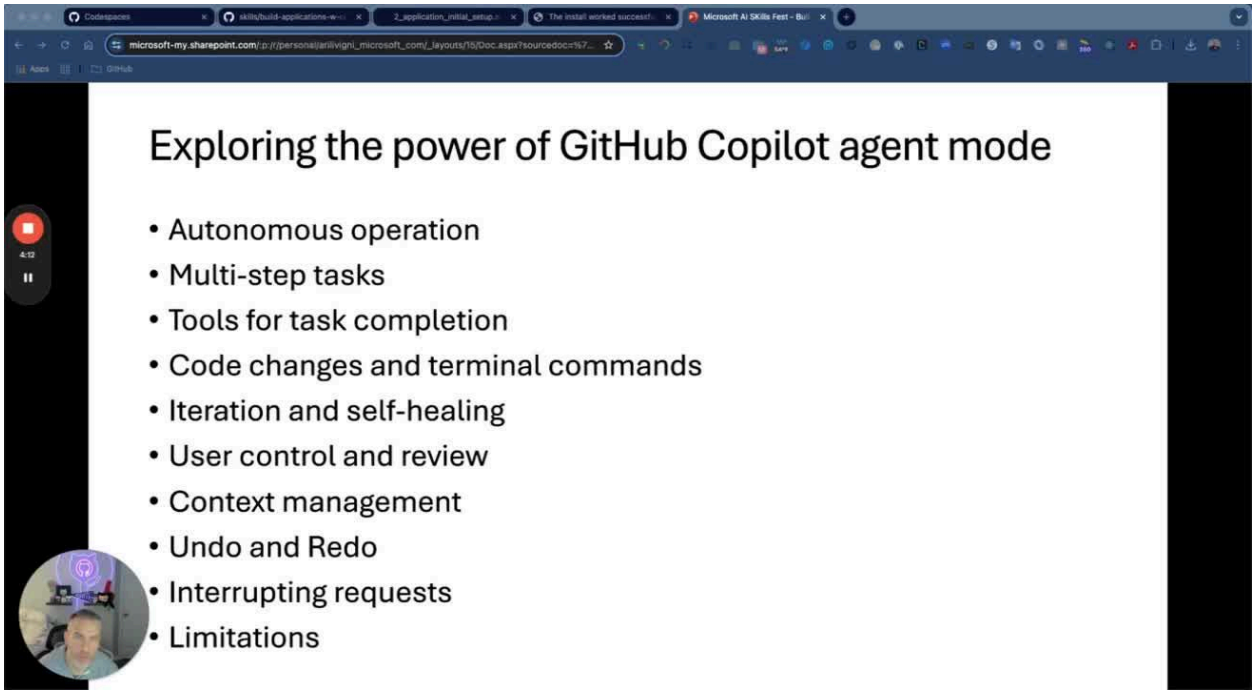


- Employ the tools available in Agent Mode to perform tasks such as editing files and running terminal commands.

6. Monitor Code Changes 3:12

- Keep track of code changes and terminal commands suggested by Copilot to ensure they align with your project goals.

7. Manage User Control 3:33

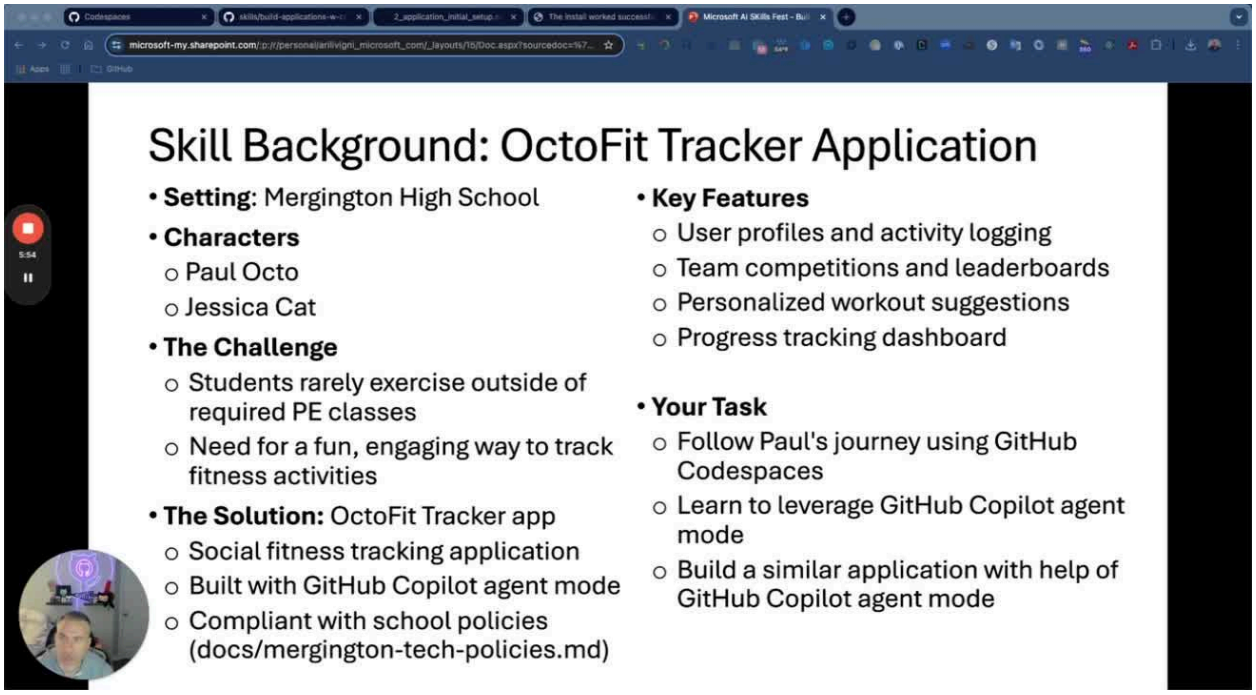


- Maintain control over the files by deciding which changes to keep or discard, and modify terminal commands as needed.

8. Enable Required Features 4:02

- Make sure to enable the GitHub Copilot chat code search in the preview settings to enhance functionality.

9. Follow the Skill Course 5:01



- Engage with the skill course available on GitHub to learn how to effectively use GitHub Copilot Agent Mode.

10. Complete the Application 6:32

- Finalize the OctoFit Tracker application by implementing user profiles, activity logs, and other key features.

Cautionary Notes

- Ensure that you are aware of the limitations of GitHub Copilot Agent Mode, as it is currently in preview and may exhibit non-deterministic behavior.
- Be cautious of the potential for quickly using up your free Copilot quota due to multiple requests per prompt.
- Remember that Agent Mode is not available for working with notebooks in VS Code.

Tips for Efficiency

- Regularly save your work to avoid losing progress.
- Utilize the documentation and resources provided in the GitHub repository to streamline your development process.
- Engage with team members or moderators if you encounter issues or have questions during the development process.
- Take advantage of the autonomous features of GitHub Copilot Agent Mode to reduce manual coding efforts and focus on higher-level design decisions.