

Vibe Coding with GitHub Copilot

Enhancing Productivity by Leveraging GitHub Copilot Inside Visual Studio

Vibe coding is a fresh take in coding where users express their intention using plain speech and the AI transforms that thinking into executable code. This book explores how to vibe code by integrating copilot into every stage of development, from brainstorming and prototyping to testing and deployment. It will be centered around practical examples in C# and the .NET ecosystem and demystify AI-assisted coding.

The book starts with setting up a Github Copilot and how to seamlessly integrate GitHub Copilot into your Visual Studio or VS Code environment. You will learn how to write better code, faster—whether you're prototyping features, generating documentation, or refactoring legacy C# projects. Further, you will dive into real-world workflows, explore groundbreaking tools like Agent Mode and Model Context Protocol (MCP), and pick up powerful tips and tricks to future-proof your development process.

After reading the book, you will be able to accelerate your workflow, prototype creative solutions and unlock new levels of productivity.

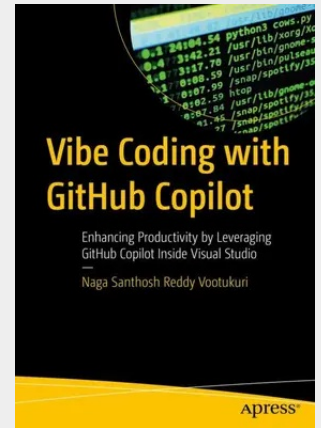
What You Will Learn:

- How to integrate GitHub Copilot into Visual Studio/ Visual Studio Code
- Best practices for prompting, interpreting
- Deep dive into leveraging Copilot for core developer workflows
- Leveraging Advanced features like Agent Mode, MCP and more
- Real-World Applications and Future Trends, along with new features releases

Who This Book is For:

.NET Developers and GitHub Professionals

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