GH-300 GitHub Copilot

Category: Software Development & Programming | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	GitHub Copilot
Related Exam:	GH-300

Course Overview

This course explores the use of AI in the context of GitHub Copilot, a generative AI tool for developers. It equips users with the knowledge and skills to use Copilot effectively while mitigating potential ethical and operational risks associated with AI usage.

About This Course

This course explores the use of AI in the context of GitHub Copilot, a generative AI tool for developers. It equips users with the knowledge and skills to use Copilot effectively while mitigating potential ethical and operational risks associated with AI usage.

Who Should Attend

- AI Developers and Engineers: Professionals involved in creating and deploying AI systems who need to understand the ethical implications and governance frameworks.
- Data Scientists and Analysts: Individuals who work with data and AI models, focusing on ensuring transparency, fairness, and accountability in their work.
- Business Leaders and Managers: Decision-makers who oversee AI projects and need to implement responsible AI practices within their organizations.
- Policy Makers and Regulators: Those responsible for creating policies and regulations around AI usage, ensuring that AI systems are developed and used ethically and safely.

Prerequisites & Entry Requirements

General Prerequisites:

Basic understanding of GitHub fundamentals

Detailed Course Outline

1 - Responsible AI with GitHub Copilot

- Mitigate AI risks
- Microsoft and GitHub's six principles of responsible AI
- Module assessment

2 - Introduction to GitHub Copilot

- GitHub Copilot, your AI pair programmer
- Interact with Copilot
- Set up, configure, and troubleshoot GitHub Copilot
- Module assessment

3 - Introduction to prompt engineering with GitHub Copilot

- Prompt engineering foundations and best practices
- GitHub Copilot user prompt process flow
- GitHub Copilot data
- GitHub Copilot Large Language Models (LLMs)
- Module assessment

4 - Using advanced GitHub Copilot features

- Advanced GitHub Copilot features
- Applied GitHub Copilot techniques
- Module assessment

5 - GitHub Copilot Across Environments: IDE, Chat, and Command Line Techniques

- Code completion with GitHub Copilot
- GitHub Copilot Chat
- GitHub Copilot for the Command Line
- Module assessment

6 - Management and customization considerations with GitHub Copilot

- Explore GitHub Copilot plans and their associated management and customization features
- Explore contractual protections in GitHub Copilot and disabling matching public code
- Manage content exclusions
- Troubleshoot common problems with GitHub Copilot
- Module assessment

7 - Developer use cases for AI with GitHub Copilot

- Boost developer productivity with AI
- Align with developer preferences
- AI in the Software Development Lifecycle (SDLC)
- Understand limitations and measure impact
- Module assessment

8 - Develop unit tests using GitHub Copilot tools

- Examine the unit testing tools and environment
- Review the ""create unit tests"" solution
- Module assessment

9 - Introduction to GitHub Copilot Business

- About GitHub Copilot for Business
- GitHub Copilot for Business use cases and customer stories
- How to get started with GitHub Copilot for Business
- Module assessment

10 - Introduction to GitHub Copilot Enterprise

- About GitHub Copilot Enterprise
- How to get started
- Module assessment

11 - Using GitHub Copilot with JavaScript

- What is GitHub Copilot
- Use GitHub Copilot with JavaScript
- Module assessment

12 - Using GitHub Copilot with Python

- What is GitHub Copilot?
- Use GitHub Copilot with Python
- Module assessment

□□ Certification Path

GitHub Copilot

Exam: GH-300

Upcoming Schedule

Available training dates for GH-300 GitHub Copilot:

Start Date	End Date	Location	Delivery	Price
07 Dec 2026	07 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for GH-300 GitHub Copilot?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The GH-300 GitHub Copilot course helps prepare you for the GitHub Copilot certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the GH-300 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day GH-300 GitHub Copilot course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the GH-300 GitHub Copilot training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for GH-300 GitHub Copilot?

Yes, we provide corporate training, dedicated training, and closed classes for GH-300 GitHub Copilot. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for GH-300 GitHub Copilot?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your GH-300 GitHub Copilot training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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