AI+ Vibe Coder

Category: AI, Data & Analytics | **Vendor:** AI Certs

Duration: 1.00 hours (1 days) **0.8 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	vILT
Certification:	AI+ Vibe Coder
Related Exam:	AI-VBC

Course Overview

AI+ Vibe Coder™ delivers an end-to-end technical understanding of prompt-driven software development. Participants learn structured prompting, AI-powered debugging, automated testing, and the use of multiple AI coding tools across SDLC phases.

The program features hands-on labs where learners build Python utilities, GUI applications, and full-stack systems using natural language instructions. Topics include prompt engineering patterns, responsible coding, prompt injection risks, secure code practices, and model limitations, providing practical expertise for applying AI across development workflows and accelerating engineering efficiency.

About This Course

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Prerequisites & Entry Requirements

General Prerequisites:

Basic Computer Skills – Comfortable with operating systems and files

Mathematics Fundamentals – Understanding of algebra and basic statistics

Logical Thinking – Ability to approach problems step by step

English Proficiency – Ability to follow technical instructions clearly

Programming Curiosity – Interest in learning coding from scratch

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Understand vibe coding concepts and the role of AI tools in software development

Write effective prompts for generating, optimizing, and debugging code

Build Python utilities, GUI apps, and simple full-stack prototypes using AI-driven workflows

Use AI to perform unit testing, code review, and safe debugging

Apply secure coding, ethical practices, and prompt injection mitigation strategies

Detailed Course Outline

vILT

e-Learning

Introduction to Vibe Coding & AI Tools

What is Vibe Coding?

Evolution of AI in Software Development – Low Code vs No Code vs Vibe Coding

Overview of Common AI Coding Tools by Functionality

SDLC for a Vibe Coding Product

Hands-on Lab: Familiarizing Learners with Multiple AI Coding Tools

Case Studies

Prompting for Code – Basics & Best Practices

Anatomy of a Good Prompt

Prompt Types – Instructive, Descriptive, Iterative

Prompting Patterns – Zero-Shot, Few-Shot, Chain-of-Thought

Hands-on Lab: Practice Zero-Shot, Few-Shot, and Chain-of-Thought Prompting

Use-Case 1: Creating a Python Calculator

Use-Case 2: Optimizing AI-generated Code Using Different Prompt Types

Debugging & Testing via AI

Reviewing and Refining AI-generated Code

Prompting for Bug Fixes and Test Coverage

Using AI-generated Unit Testing

Detecting Hallucinations and Unsafe Code

Hands-on Lab: AI-Assisted Debugging and Unit Testing

Activity Section

Building a Simple Full-Stack App with Prompts

Planning the App: Frontend + Backend

Using IDEs and Code Generators to Scaffold Code

Connecting Components Using Natural Language

Deploying and Testing the MVP in Simulated Environment

Hands-on Lab: Building and Connecting the Frontend and Backend for Contact Form Submission

Hands-on Lab: Building a Standalone Desktop Calculator Application Using Tkinter

Hands-on Assignment 1: Task Management System – Full-Stack Development Using Prompts

Code Ethics, Security, and AI Limits

AI Limitations and Biases

Prompt Injection and Mitigation Strategies

Data Privacy and Secure Coding

Responsible Use of AI in Production

Hands-on Lab: Build Awareness of AI Limitations and Responsible Practices

Capstone Project – Prompt-Driven App

Apply All Learned Skills in a Real-World Project

Collaborate and Iterate Using AI Tools

Demonstrate End-to-End Development Using Prompts

Capstone Project Use Case: AI-Powered To-Do List Application

Capstone Project Use Case: AI-Powered Note-Taking Desktop App

Assignments

Certification Path

AI+ Vibe Coder

Exam: AI-VBC

Frequently Asked Questions

Q: What delivery options are available for AI+ Vibe Coder?

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 AI+ Vibe Coder course helps prepare you for the AI+ Vibe Coder certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AI-VBC 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 AI+ Vibe Coder course provides up to 0.8 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AI+ Vibe Coder training?

The training takes place over 1 day(s), with each day lasting approximately 1.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AI+ Vibe Coder?

Yes, we provide corporate training, dedicated training, and closed classes for AI+ Vibe Coder. 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: What related terms do people search for?

Popular related searches include: AI+ Vibe Coder, AI Certs, vILT

Q: Why choose Nexus Human for AI+ Vibe Coder?

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 AI+ Vibe Coder 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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