

# AI Agentic Coding: ChatGPT, Cursor, Claude, Copilot

This AI coding course shows you how to code effectively with agentic coding, using Cursor AI, Claude Code CLI, GitHub Copilot, Grok 4, and ChatGPT as reliable partners. Examine prompt engineering for writing code, debugging with Claude, Cursor AI coding workflows, and turning specs into working programs. If you're serious about practical, safe, and effective coding using AI agents, this course gives you the tools to start making apps and automations that provide real value.

[CBT Nuggets course material](#) →

## WEEK 1

### Explore AI Programmatically

What is AI?

What is Software 1.0, 2.0, and 3.0?

Software 1.0

Software 2.0

Software 3.0

Challenge ☒

### Examine Prompt Engineering Basics for Code

Introduction

Prompt Engineering with CRE

Zero-shot Prompting

One-shot Prompting

The 6-Step Method

Challenge

Solution

### Apply Agentic Programming Foundations with ChatGPT

Introduction

Plan-Act-Check (PAC) Concepts

Plan-Act-Check (PAC) Code Examples

Memory, Context and Multi-chat Agents

Test-Driven Development (TDD)

How Not to Use ChatGPT

Challenge ☒

## **Apply AI Assistive Programming with GitHub Copilot**

Introduction

Install VS Code

Install GitHub Copilot

Assistive AI with GitHub Copilot

### **WEEK 2**

Assistive AI with GitHub Copilot

The Chat Component in Github Copilot

Challenge ☒

## **Apply AI Agentic Programming: Cursor AI**

Introduction

Getting Started with Cursor AI

Setting Up Our Dev Environment

Tab Tab Tab

Inline Edits

Commits with Comments

Challenge ☒

## **Apply AI Agentic Programming: Cursor + Claude Code**

Introduction

Creating the Project Requirement Document (PRD) with ChatGPT

Using Cursor AI to build a 'Chatbot for Pets' ☒☒

Practical Agentic Programming with Cursor AI

Getting Started with Claude Code

Claude Code in Action

Challenge ☒