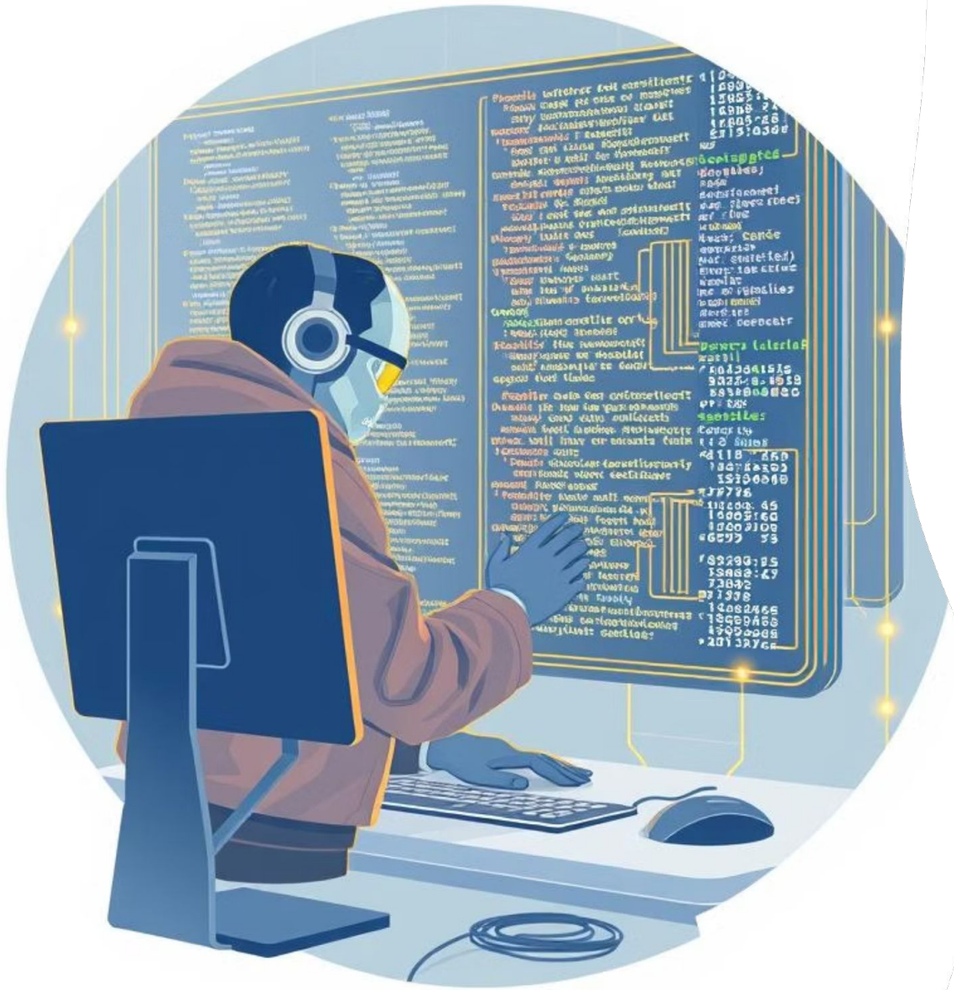

Claude Code: The Future of AI-Assisted Development

What is Claude Code?

AI Assistant by Anthropic

Claude Code is a coding-focused AI assistant developed by Anthropic, a leading AI research company.

Built on Claude LLMs

It leverages the power of the Claude family of large language models, specifically optimized for code-related tasks.

Comprehensive Code Collaboration

Designed to collaboratively write, review, debug, and refactor code, improving the entire development workflow.

Claude Code empowers software engineers and engineering managers with an intelligent partner for every stage of the coding process.

Claude Code Capabilities

Autonomous Understanding & Planning

Understands complex requirements and formulates execution plans using advanced Claude models to turn your ideas into working solutions

Feature Development

Transforms plain English descriptions into functional code by creating plans, writing code, ensuring functionality, and submitting pull requests.

Code Navigation

Maps and explains entire codebases in seconds using agentic search to understand project structure and answer questions with full context awareness.

Debugging & Error Fixing

Analyzes your codebase when given an error message or bug description to identify root causes and implement effective solutions.

Claude Code Capabilities

Native Terminal Operations

Works directly in your terminal to read/write files, execute commands, commit code with git, and manage complex git operations without tool switching.

Specialized Subagents

Creates specialized sub-agents to handle specific tasks, enabling multi-agent collaboration for parallel development workflows.

Development Workflow Integration

Integrates with GitHub, GitLab, and command-line tools to manage the entire development cycle from issues to pull requests.

Checkpoint Feature

Provides checkpointing capabilities for complex tasks, helping you maintain control while delegating autonomous development work.

Claude Code Capabilities

Cross-Platform Availability

Accessible through terminal, VS Code extension, cloud-based web interface, and mobile app to fit your preferred development environment.

SDK for Custom Agents

Offers Claude Agent SDK for building custom agents using the same core tools and frameworks that power Claude Code.