

Installing code-review-graph

Give your AI coding assistant a structural map of your codebase

code-review-graph builds a knowledge graph of your codebase and hands your AI assistant only the files that actually matter for a review, cutting token usage dramatically. Here's how to set it up.

Step 1 — Check prerequisites

You'll need Python 3.10 or newer. Installing uv is also recommended — if it's present, code-review-graph will use it automatically for a smoother setup.

Step 2 — Get the repo

The project lives on GitHub here:

| <https://github.com/tirth8205/code-review-graph>

Step 3 — Install the package

Run one of the following in your terminal:

```
| pip install code-review-graph
| pipx install code-review-graph
```

Step 4 — Run the installer

This single command auto-detects whichever AI coding tools you have installed — Claude Code, Cursor, Codex, Windsurf, Gemini CLI, GitHub Copilot, and more — and configures each one automatically:

```
| code-review-graph install
```

To set up just one specific tool instead, target it directly, for example:

```
| code-review-graph install --platform claude-code
```

Restart your editor or CLI tool after installing.

Step 5 — Build the graph

Parse your codebase into the graph with:

```
| code-review-graph build
```

A 500-file project typically takes about 10 seconds to build.

Step 6 — Ask your AI assistant to use it

Open your project and simply ask your AI assistant:

```
| Build the code review graph for this project
```

From here, watch mode and supported hooks can keep the graph updated automatically as you work.

That's it. Happy building! · Follow [@ai_aryaman](#) on Instagram