

# Quick Start

## Table of contents

<b>1</b>	<b>1. Prerequisites</b>	<b>1</b>
<b>2</b>	<b>2. Installation</b>	<b>2</b>
<b>3</b>	<b>3. Configuration</b>	<b>2</b>
<b>4</b>	<b>4. Basic Usage</b>	<b>2</b>
4.1	Interactive Chat . . . . .	2
4.2	Project Scaffolding . . . . .	3
<b>5</b>	<b>Next Steps</b>	<b>3</b>

This guide provides the essential steps to get `code_agent` installed and running on your local machine.

## 1 1. Prerequisites

- **Python 3.10+:** Ensure you have a modern version of Python installed.
- **uv or pip:** A Python package manager. `uv` is recommended for its speed.
- **Ollama:** For the agent's LLM capabilities, you need

## 2 2. Installation

First, clone the repository and navigate into the project directory.

```
git clone https://github.com/your-username/code_agent.git
cd code_agent
```

Next, create a virtual environment and install the package in editable mode. Including the [dev] dependencies is recommended for development.

```
# Create and activate the virtual environment
uv venv
source .venv/bin/activate

# Install the package
uv pip install -e .[dev]
```

## 3 3. Configuration

Before running the agent, make sure your `code_agent/config/llm_config.json` is set up to use the model you have downloaded. For example:

```
{
  "ollama_model": "llama3",
  "temperature": 0.7
}
```

## 4 4. Basic Usage

You can now use `code_agent` directly from your terminal.

### 4.1 Interactive Chat

The primary way to use the agent is through the interactive chat session.

```
code-agent chat
```

You can now give instructions to the agent in plain English: > “Create a Python file named ‘app.py’ and add a simple Flask ‘Hello, World!’ application to it.”

## 4.2 Project Scaffolding

To create a new, well-structured Python project, use the `scaffold` command.

```
code-agent scaffold my-new-project --name MyProject
```

This will generate a new directory `my-new-project` with a recommended layout for source code, tests, and documentation.

## 5 Next Steps

You have now installed `code_agent` and seen how to perform basic tasks. To learn more, check out these documents:

- **Usage:** See a wide range of examples for both CLI and Python API usage.
- **Tools:** Discover the full suite of tools available to the agent.
- **Configuration:** Learn how to configure `code_agent` for your needs.
- **Agent Workflow:** Understand how the agent processes your requests.