**Setting Up Your First CI/CD Pipeline**

Here’s how you can set up a basic pipeline:

**1. Create a Workflow File**

Workflows are written in a special file called **YAML**. This file tells GitHub what to do and when to do it.

* Go to your repository.
* Create a folder called .github/workflows (if it doesn’t already exist).
* Inside that folder, create a file like ci-cd.yml.

**2. Write the code in main.cpp**

**3. Design the architecture – in this case, TrafficLight and config will go apart**

**Folder structure**

A screenshot of a computer program

AI-generated content may be incorrect.

**4. Setup platformio.ini to reflect the dependencies**

**platformio.ini**

[env:uno]

platform = atmelavr

board = uno

framework = arduino

lib\_deps =

TrafficLight