**Personal Portfolio Website using Cline**

**Cover**

Creating a Personal Portfolio Website using Cline

Languages: Python, SQL, CSS, HTML, Javascript

Frameworks: Flask, SQLite, Jinja, Bootstrap, Font Awesome

Tools: Cline

**Initial Prompting**

To get familiar with using AI coding agents I built this website using Cline. In an hour or so the site (hosted locally) was up and running. The instructions were simple – it needed:

* A landing page
* Functionality for the owner to login and upload projects to be displayed on that page
* Flask-based setup (as I’m most familiar with Python) with Bootstrap (as I’ve used it before)
* A simple design and code base (so I can understand what’s been done)

This initial stage was done smoothly. The virtual environment wasn’t created properly so a start.bat file was created to automatically launch the virtual environment and start the flask server. The challenges came when it was asked to format the front page (move the image and name in the header bar) – whether these layout issues were a function of Cline’s limitations of those of Bootstrap would become clear.

**Architecture**

Responding to a follow-up prompt, Cline produced a diagram of the architecture in Mermaid.

**A diagram of a company

AI-generated content may be incorrect.**

**A diagram of a software system

AI-generated content may be incorrect.**

**Day 1**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Test**