

Laravel AI Image Post Project - Documentation

This Laravel project demonstrates an AI-powered image post system. Admins can upload an image and add a title, which gets automatically overlaid on the image using Intervention Image.

Key Features:

- Upload an image with title using POST /posts
- Overlay the title text on top of the uploaded image
- Save the new AI-generated image into storage

How It Works:

1. The user submits a form with a title and an image file.
2. Laravel validates and stores the original image.
3. Intervention Image draws the title text over the image.
4. The modified image is saved with a new filename and returned as a response.

Controller: PostController.php

- Uses Intervention\Image to open and manipulate the uploaded image.
- The image text is styled (white color, size 30, Arial font).
- Saves image in storage/app/public/posts with a prefix 'ai_'.

Routes: web.php

- POST /posts -> calls PostController@store

Folder Structure (Simplified):

- app/Http/Controllers/PostController.php

- routes/web.php
- storage/app/public/posts/

Next Steps:

- Add database support to save post data.
- Build frontend (Blade or Vue).
- Optionally add Python AI agent to analyze or post-process image.

Dependencies:

- laravel/framework
- intervention/image

Make sure to run the following to enable Intervention Image:

```
composer require intervention/image
```

And link your storage folder if not done already:

```
php artisan storage:link
```