Project title/Name: Fashion Image Classifier Web App

A deep learning web app that classifies clothing items based on 28×28 grayscale images using a Convolutional Neural Network (CNN) trained on the Fashion MNIST dataset.
Users can upload or draw images, and the app returns the top-3 predicted clothing categories in real time using Gradio.

Dataset

This project uses the Fashion MNIST dataset, which contains 70,000 images across 10 clothing categories.

Live Demo

Try it live: 👕 Fashion Classifier

Key Features

- Trained using TensorFlow on Fashion MNIST
- Draw or upload 28x28 grayscale images
- Predicts categories like T-shirt, Coat, Sneaker, etc.
- Deployed with Gradio in a browser — no installation needed!

Technologies Used

- TensorFlow
- Gradio
- NumPy
- Python

Setup Instructions

Clone the repo

```
git clone https://github.com/YOUR_USERNAME/fashion-classifier-gradio.git
cd fashion-classifier-gradio
```

Install dependencies

```
pip install -r requirements.txt
```

Run the app

```
python app.py
```

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