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PROJECT TITLE

HANDWRITTEN RECOGNITION USING CIFAR-10 DATASET

AGENDA

1. Problem statement
2. Project overview
3. Who are the end users?
4. Solutions and its prepositions
5. The wow in your solutions
6. Modelling
7. Results

PROBLEM STATEMENT

Efficient representation learning and image reconstruction in the fashion domain are essential for various applications such as e-commerce and trend analysis.

PROJECT OVERVIEW

Our project focuses on developing an autoencoder-based solution to address the challenge of representation learning and reconstruction in fashion images.

WHO ARE THE END USERS?

End users include e-commerce platforms, fashion designers/marketers, and consumers, who benefit from improved recommendation systems and personalized shopping experiences.

YOUR SOLUTION AND ITS VALUE PROPOSITION

pouring solution utilizes an autoencoder architecture trained on Fashion MNIST data to learn compact and semantically meaningful representations of fashion images. The model achieves high-fidelity reconstruction and offers versatility and scalability for diverse applications.

THE WOW IN YOUR SOLUTION

The autoencoder produces high-quality reconstructed images, captures meaningful features in the latent space, and adapts to various fashion datasets and applications.

MODELLING

Teams cam add wireframes

The autoencoder architecture comprises encoder and decoder networks with LeakyReLU activation and batch normalization layers, enabling efficient representation learning and reconstruction.

RESULTS

The trained autoencoder demonstrates impressive performance, generating faithful reconstructions of fashion images and facilitating nuanced analysis of fashion trends and styles.

Github link:

https://github.com/Dharshinivadivel123/TNSDC-Generative-AI.git