

Project - Texture Generation for Fashion Industry

What we will be covering in this module?

- Introduction to Image Generation
- What are Generative Models?
- Understanding Generative Adversarial Networks
- Project on Texture Generation using GANs
 - Simple Implementation
 - Better GAN Architectures
- What's Next?

Importance of Texture in the Fashion Industry



Data Science problem - Generate Innovative Textures



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Steps for solving Texture Generation using simple GANs

1. Data Loading and Preprocessing

1.1 Load the Data

1.2 Define custom Dataset and Dataloader

1.3 Data Exploration

2. Image Generation using simple GANs

2.1 Define model architecture

2.2 Train the model

2.3 Generate random images



Thank you