

The slide features a white background with several hexagonal shapes: a light blue hexagon and a dark green hexagon in the top left; a large green hexagon in the top center; and a small green hexagon in the bottom center. On the right side, there is a large, abstract graphic composed of overlapping translucent triangles in various shades of blue, ranging from light to dark. The text 'Siva Ramana H V' is written in a large, black, sans-serif font, and 'Final Project' is written below it in a smaller, green, sans-serif font.

# Siva Ramana H V

## Final Project

# PROJECT TITLE

Generative Adversarial Network for Fashion Images

# AGENDA

- Introduction
- Problem Statement
- Project Overview
- End Users
- Solution and Value Proposition
- Modelling and Methodology
- Results and Findings
- Conclusion



# PROBLEM STATEMENT



Fashion designers often require a large dataset of fashion images for inspiration and design training purposes. However, collecting and curating such datasets can be time-consuming and costly.



# PROJECT OVERVIEW



The FashionGAN project aims to address this issue by developing a Generative Adversarial Network (GAN) that generates realistic fashion images based on the Fashion MNIST dataset. The GAN consists of a generator and discriminator trained in an adversarial setup to produce high-quality fashion images.



# WHO ARE THE END USERS?

- Fashion designers
- Fashion students
- Researchers in computer vision and artificial intelligence

# YOUR SOLUTION AND ITS VALUE PROPOSITION



Our solution leverages deep learning techniques to automatically generate fashion images, reducing the need for manual dataset curation and facilitating creative exploration.

Value Proposition:

- Cost-effective fashion image generation
- Time-efficient dataset augmentation
- Creative inspiration for designers and students

# THE WOW IN YOUR SOLUTION

- Realistic fashion image generation
- Adversarial training for high-quality results
- Scalable and customizable architecture





# MODELLING

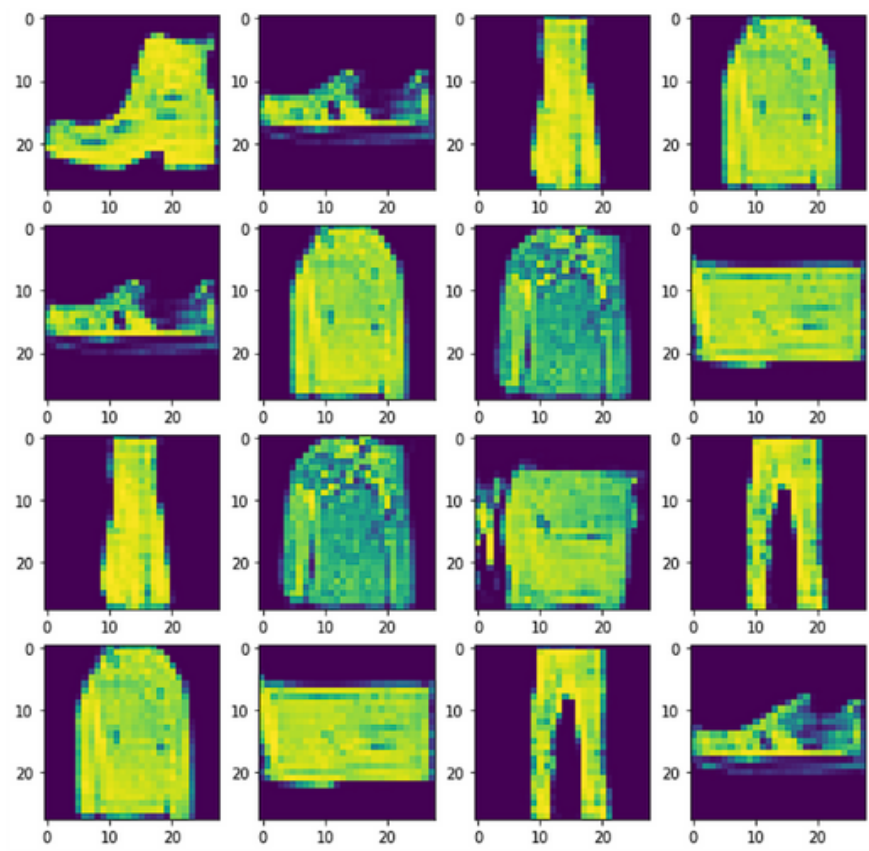
Teams can add wireframes



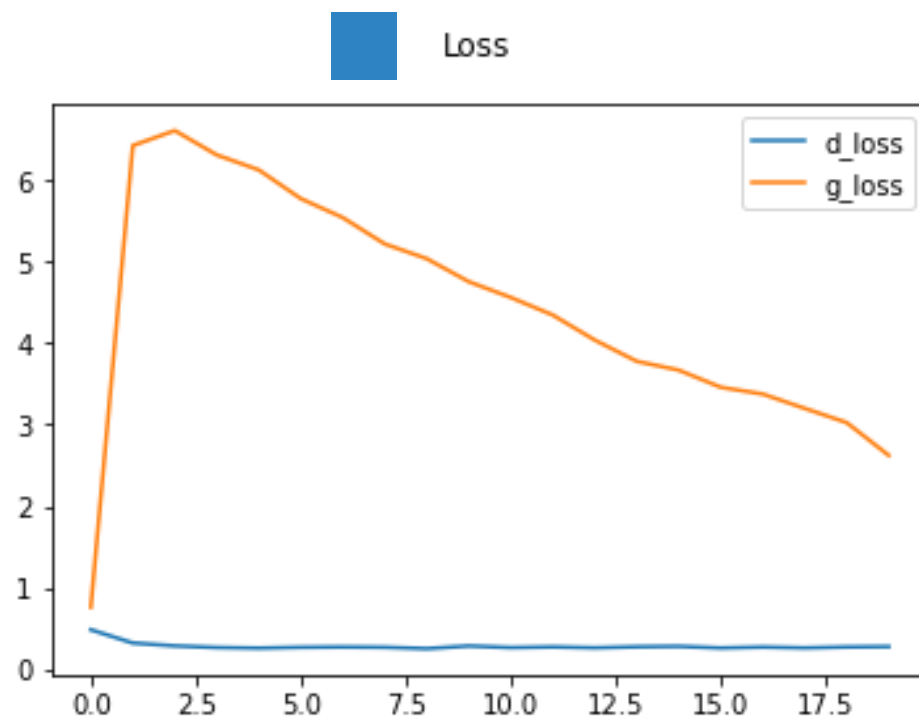
- Data preprocessing and augmentation
- Generator and discriminator architecture
- Training process and optimization techniques
- Model evaluation and validation



# RESULTS



Generated fashion images



Performance metrics (loss curves)

[Demo Link](#)