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## DeepFashion

A large-scale fashion clothing database that contains over 800,000 images covering various fashion categories

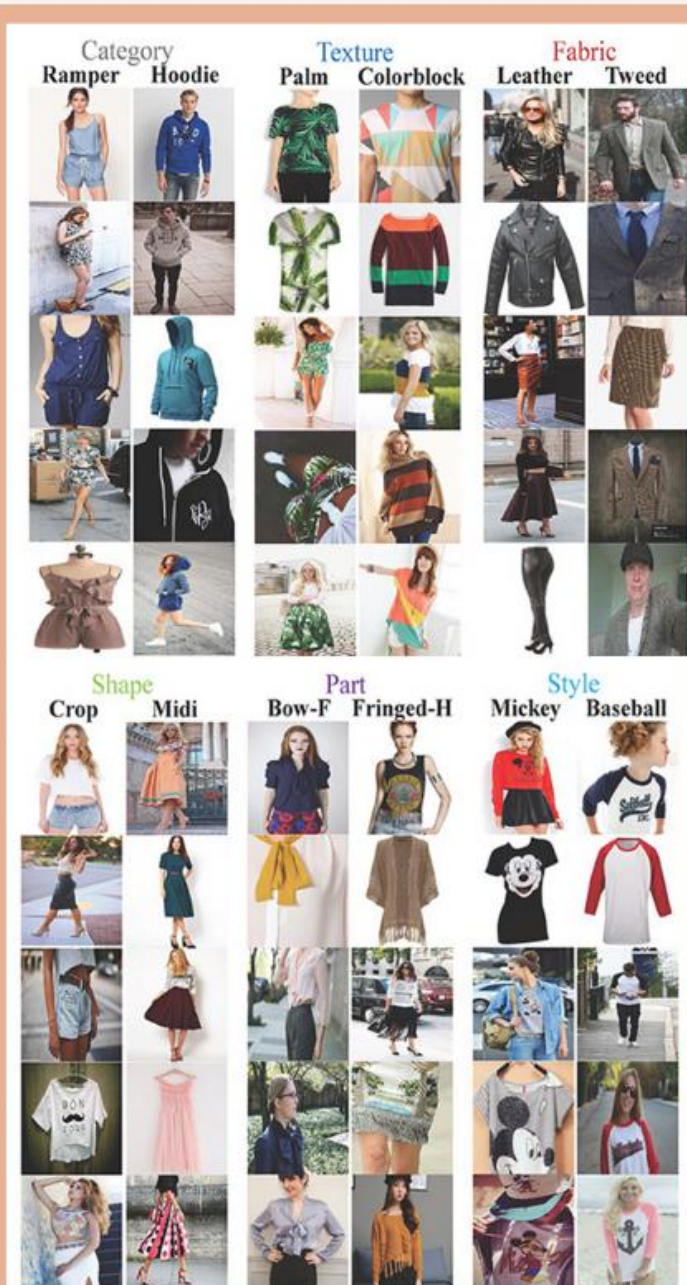


Figure 1: Deep Fashion Dataset



Figure 2: Python and Google Colab used to develop the FRS

## Project Overview

A Fashion Recommender System (FRS) that allows users to upload an outfit and get recommendations for similar outfits using Deep Learning technologies.

## Methodology + Technologies

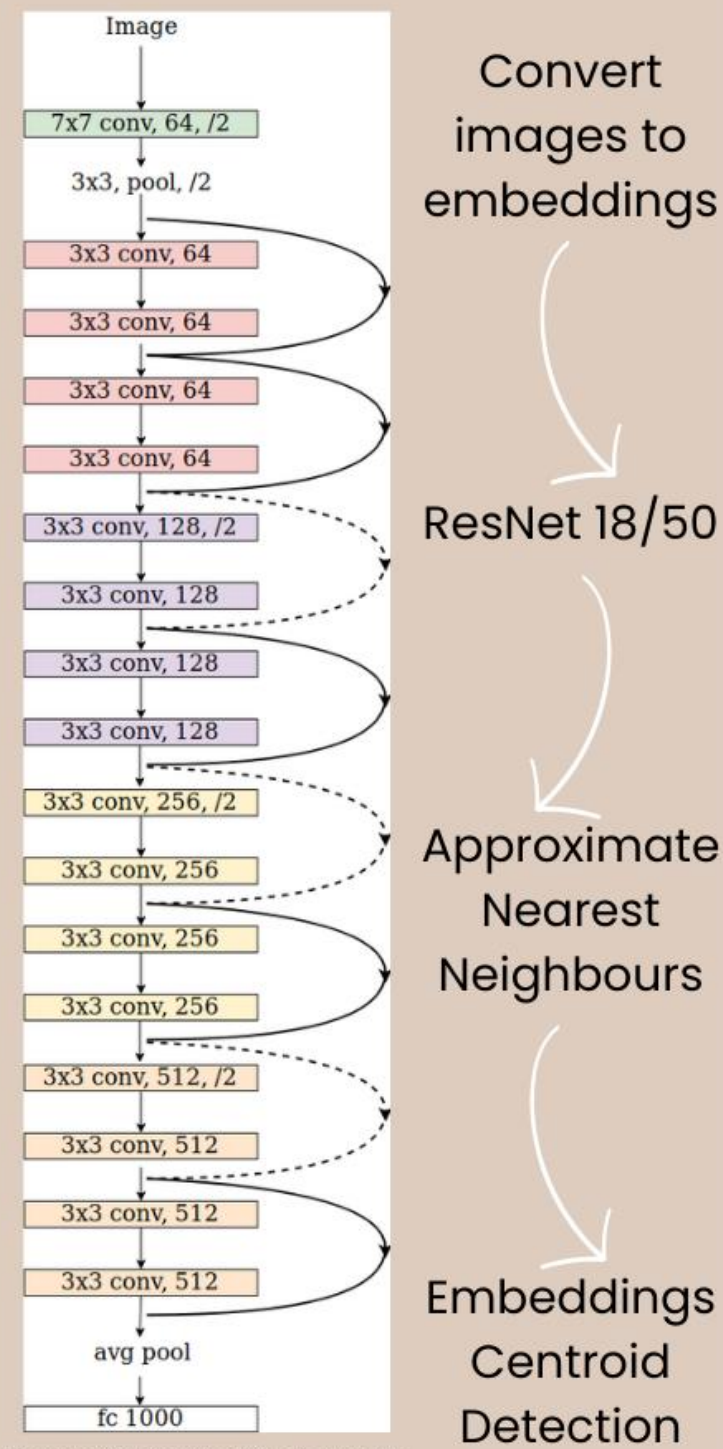


Figure 3: ResNet18 diagram

## Aims & Objectives

- Provide a personalised shopping experience
- Evaluate performance of FRS (Scability, Speed & Robustness)
- Evaluate effectiveness of different recommendation algorithms
- Improve inventory management

## References

Figure 1  
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Figure 2  
G. Juantorena, "Como Empezar a analizar datos con python usando google colab," Medium, 27-Nov-2020. [Online]. Available: <https://gjuantorena.medium.com/como-empezar-a-analizar-datos-con-python-usando-google-colab-1e3cf68cba>. [Accessed: 20-Mar-2023].

Figure 3  
Grigory Serebryakov (Xperience.AI) Satya Mallick, G. S. (Xperience.AI), and S. Mallick, "Fully convolutional network for image classification on Arbitrary sized image," LearnOpenCV, 07-Feb-2023. [Online]. Available: <https://learnopencv.com/fully-convolutional-image-classification-on-arbitrary-sized-image/>. [Accessed: 20-Mar-2023].