

Closet Companion

TEAM NAME : XENITH

TEAM MEMBERS :

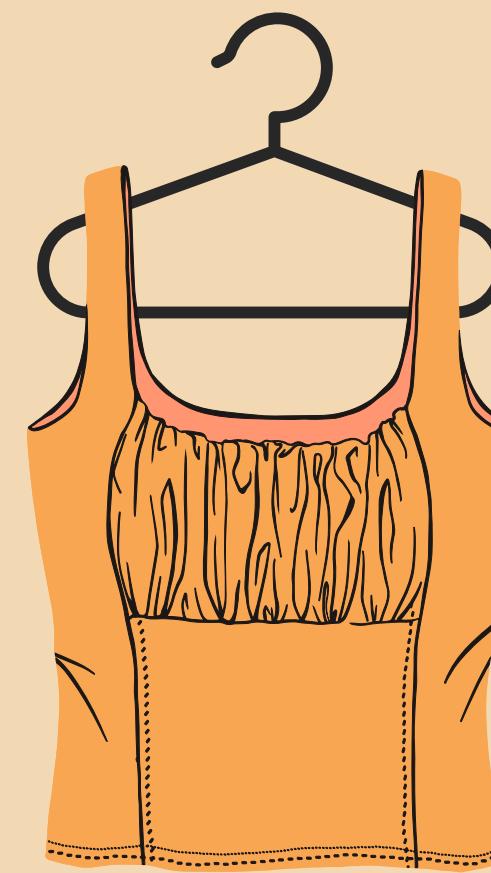
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Presentation Outline



PROJECT DESCRIPTION



SOLUTION APPROACH



WORK COMPLETED

Introduction

Many individuals struggle with the time-consuming process of outfit selection and wardrobe organization which we aim to address by providing users with **outfit suggestions** based on their style preferences, **existing wardrobe items**, and contextual factors such as **weather** and **events**.

Our project is a lifestyle companion tailored to meet the diverse needs and preferences of today's **fashion-conscious** individuals by updating the **trends** in recommendations.

ClosetCompanion aims to revolutionize the way individuals approach wardrobe management and outfit selection, offering a solution that combines technology with fashion to make stylish choices effortlessly hence **saving time**.



Features

- Outfit Recommendations
- Add your own items in wardrobe
- Wardrobe Organization
- Event-based outfit Suggestions
- Calendar to track outfits already worn
- Reviews to refine recommendations
- Packs for travelers
- Real-time weather integration

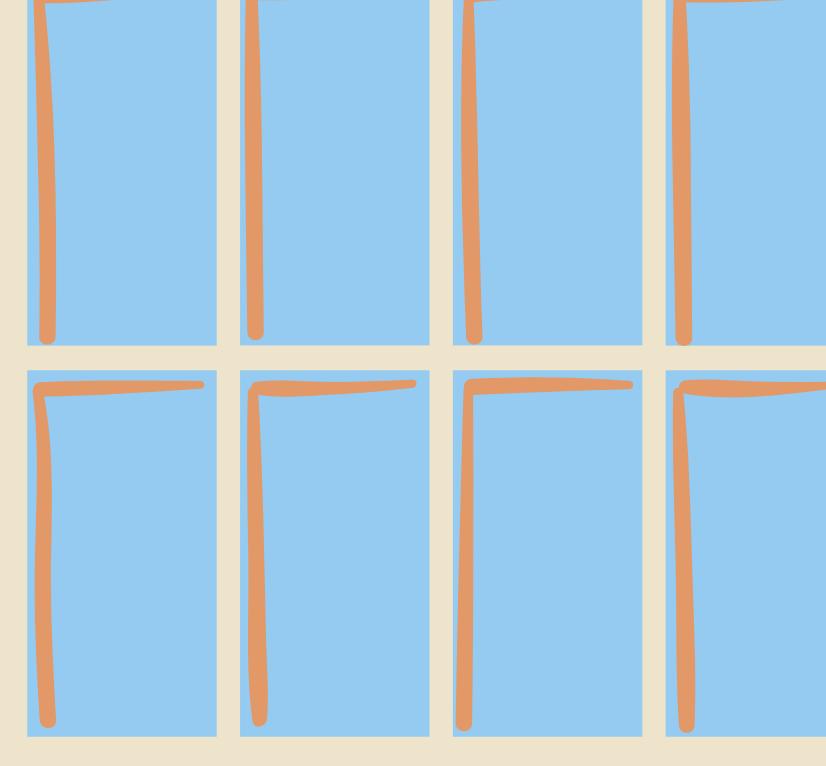


PROPOSED SOLUTION



AI-Powered Image Recognition:

- The image recognition feature automatically identifies and extracts relevant information from the uploaded photos.
- Extracted information may include details such as colors, patterns, styles, and types of clothing items.
- This information is used for cataloging and organizing the user's wardrobe digitally.
- The AI-powered image recognition enhances the efficiency of wardrobe management by automating the process of inputting clothing items into the system.
- Users benefit from a streamlined and organized digital wardrobe, facilitating easier outfit selection and coordination.



Outfit recommendations based on certain features

Color Matching:

- Users choose colors for outfits.
- Algorithms match wardrobe items to chosen colors.
- Outfit recommendations align with color preferences.
- Recommendations ensure color harmony

Style Preferences:

- Users define style preferences: casual, formal, etc. And Algorithms suggest outfits matching chosen styles.

Occasion-Based Recommendations:

- Users specify occasions: work, party, etc.
- Outfits curated for different occasions and dress codes.





FASHION IN EVERYDAY LIFE

FASHION IN EVERYDAY LIFE

Individual Contribution



YASHSWI SHUKLA :

Data collection & pre-processing

RAJAN RAJ :

CNN implementation & Model training

SEJAL KAUR :

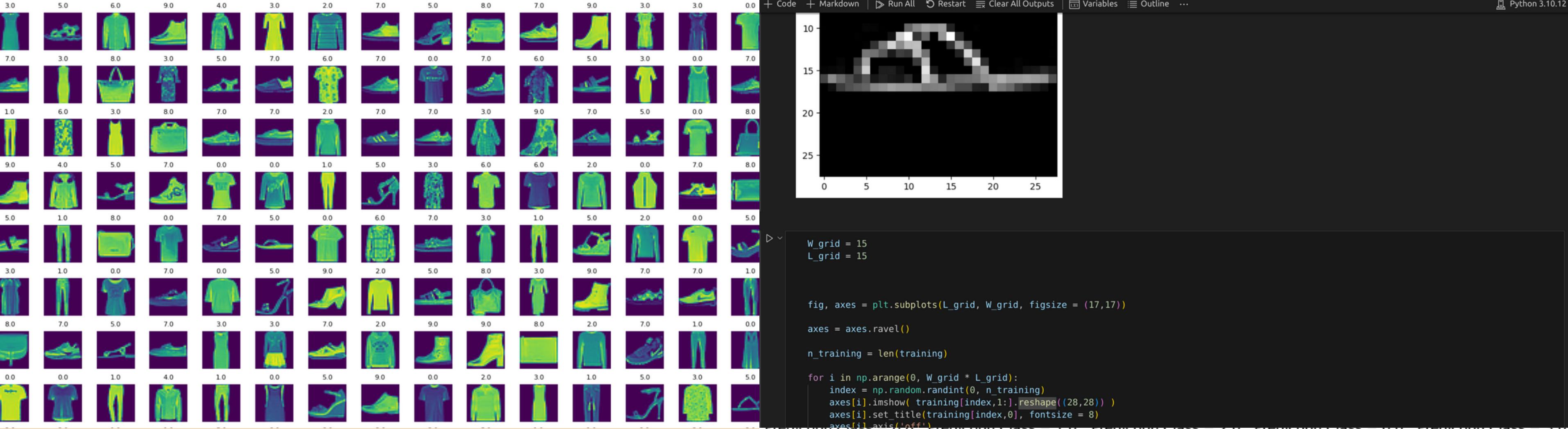
Front-end & Model testing

[https://github.com/rajanraj2/AI Project](https://github.com/rajanraj2/AI_Project)

Work Completed

- Data processing - for CNN
- Model training to detect the type of dress form the given image
- Model testing & prediction of the image provided by the user



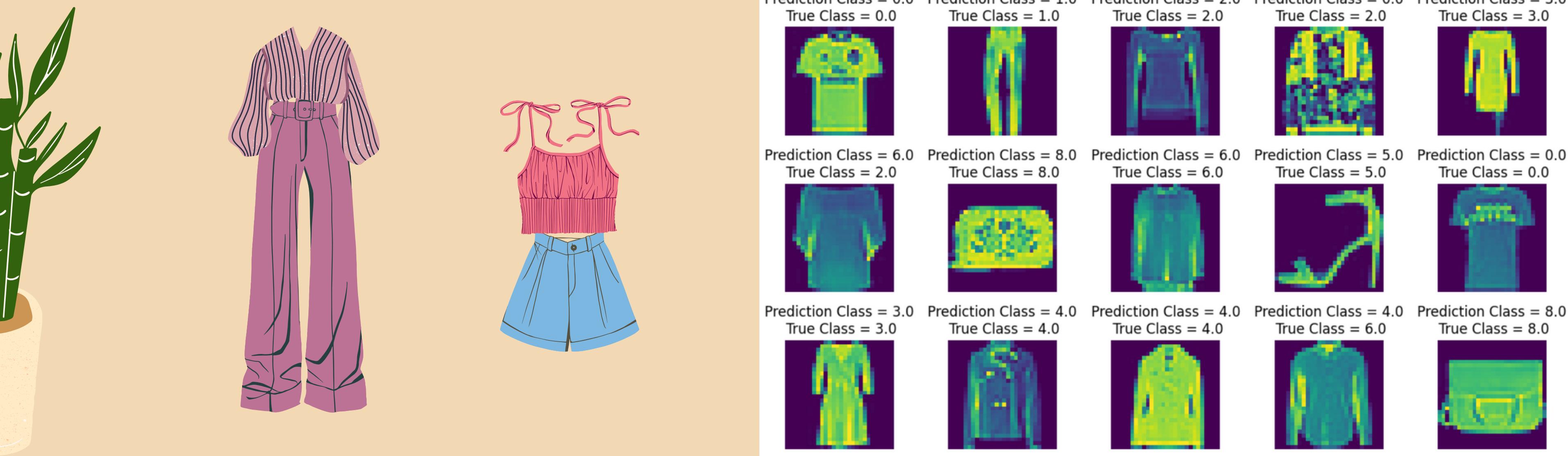


```
W_grid = 15
L_grid = 15

fig, axes = plt.subplots(L_grid, W_grid, figsize = (17, 12))
axes = axes.ravel()

n_training = len(training)

for i in np.arange(0, W_grid * L_grid):
    index = np.random.randint(0, n_training)
    axes[i].imshow( training[index,1:] .reshape((28,28)))
    axes[i].set_title(training[index,0], fontsize = 8)
```





Architecture

The image illustrates the architecture of a mobile application interface, likely for outfit planning or personal styling.

User Profile: A circular icon representing a user profile, with the name "Sejal" displayed below it.

Navigation Menu: A vertical sidebar containing links: Weather, Location, Wardrobe, Event, Calendar, and Personal Info.

Wardrobe Grid: A grid view of various clothing items, labeled "Wardrobe".

Bottoms, Shoes, and Uppers: Three categories of clothing items shown with representative images: Bottoms, Shoes, and Uppers.

Outfit Recommendation: A screen showing a recommended outfit consisting of a grey cardigan, a grey top with a panda graphic, dark pants, and black boots. The URL "OutfitPlan.com" is visible at the bottom.

Feedback Screen: A screen asking "How will you review the outfit recommended to you?" with a 5-star rating scale and a "FEEDBACK" button.

Social Media Icons: Icons for X, Instagram, and TikTok are located at the bottom left.



*Thank you for
listening!*

Don't hesitate to ask any questions!

