

1. Project Description

Our web application allows users to upload or connect their SocialNetwork X account (Pinterest or Google Photos) to analyze images of people's outfits. The system uses Google Cloud Vision API to detect clothing items, colors, textures, and patterns. The extracted visual data is then passed to Google Gemini API, which classifies the style, era, and fashion influences of each outfit and provides recommendations for purchasing similar clothing items online. The main purpose of the application is to help users identify, understand, and shop for fashion styles seen in their own photos or social media feeds. Users can explore their wardrobe or trending outfits, learn about the era and style, and discover options to purchase similar items. All processed results are stored in a Google-hosted database (Firestore or Datastore), allowing users to maintain a history of analyzed outfits, retrieve past analyses, and track fashion trends over time.

2. Mockup

1). On this page, users can upload an image by clicking the select image button, insert an image URL or connect to Google/Pinterest user account.

VintageVision

Reinventing vintage discovery with AI

Drag & Drop Your Image or Click to Browse

Supports JPG, PNG, WEBP (max. 50MB)

Select Image

Or paste an image URL (https://...)

Use URL

Analyze Now

Clear

Tip: either choose a local file (direct-upload to storage) or paste an image URL (we skip upload).

Preview will appear here

2). After uploading, the selected image will be displayed as shown below. Users can then click the Analyze button to begin processing.

VintageVision

Reinventing vintage discovery with AI

Drag & Drop Your Image or Click to Browse

Supports JPG, PNG, WEBP (max. 50MB)

Select Image


Or paste an image URL (https://...)

Use URL

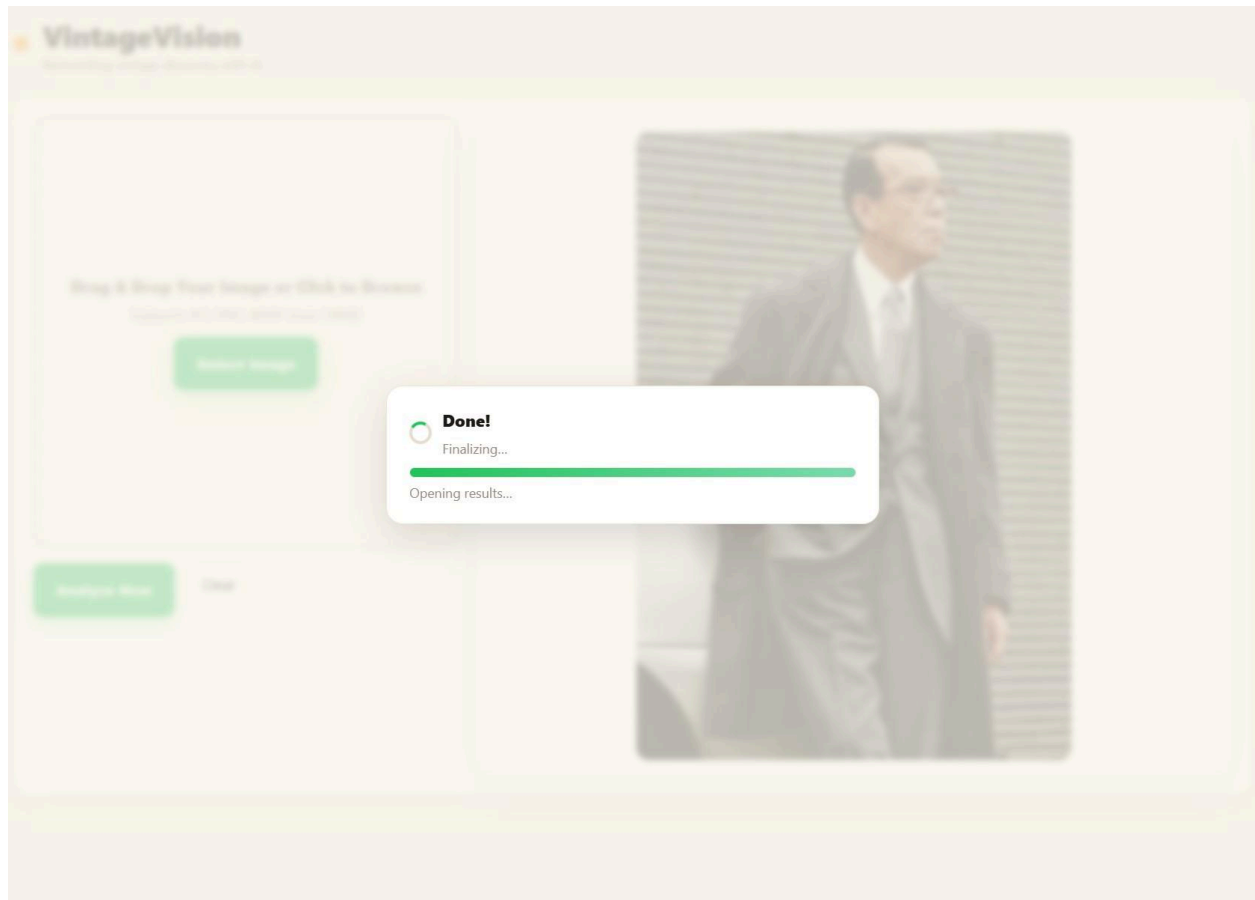
Analyze Now

Clear

Tip: either choose a local file (direct-upload to storage) or paste an image URL (we skip upload).



3).While the system is analyzing the image, the page will look like this:



4). Finally, the analysis results will be displayed in the following format, including:era, style tags, top-3 candidates, shopping tips...

VintageVision — Results

Reinventing vintage discovery with AI

Vintage insights

Primary era

1940s

Style tags

Dapper

Classic Menswear

Business Formal

Mid-Century Gentleman

Top-3 candidates

1940s — Dapper Gentleman

95%

Features a structured pinstripe three-piece suit and a substantial overcoat, characteristic of the wartime and post-war menswear silhouette.

1930s — Power Suit

88%

Defined by broader shoulders, wider lapels, and often pinstripes, conveying authority and elegance prevalent in this decade.

1950s — Conservative Business

75%

Maintains the formality of the suit, but with a slightly less exaggerated shoulder line than the 40s, still favoring wool and traditional patterns.

Why

The ensemble features a classic grey pinstripe three-piece suit with a substantial tweed overcoat, a white dress shirt, and a patterned tie. This structured, masculine, and highly formal look, complete with high-waisted trousers, strongly evokes the menswear aesthetics of the 1940s, where tailored suits with a robust silhouette were paramount.

Search queries

Click any chip to search in a new tab

1940s men's pinstripe suit

Vintage grey three piece suit men

Mens vintage tweed overcoat

1940s business formal wear

WWII era suit style men

Dapper men's vintage suit

High waisted pleated wool trousers vintage

Checked or houndstooth tie vintage

Shopping tips



Silhouettes:

Look for jackets with broad, structured shoulders and a defined waist. Trousers should be high-waisted, often pleated, with a fuller leg that tapers slightly to a clean break.



Fabrics:

Seek out quality wools like worsted wool, flannel, gabardine for suits, and heavier wools such as tweed or herringbone for overcoats. Pinstripes, chalk stripes, and subtle checks are period-appropriate patterns.



Details:

Pay attention to lapel width – not too narrow, not excessively wide (like 70s). Vests (waistcoats) are key for the three-piece look. Classic point or spread collar shirts are ideal. Ties often featured geometric patterns or subtle textures.



Price Range:

Expect to pay \$150-\$500+ for a good vintage suit, and \$100-\$350+ for a quality vintage overcoat, depending on condition, brand, and rarity. Reproduction brands may be higher.



Platforms:

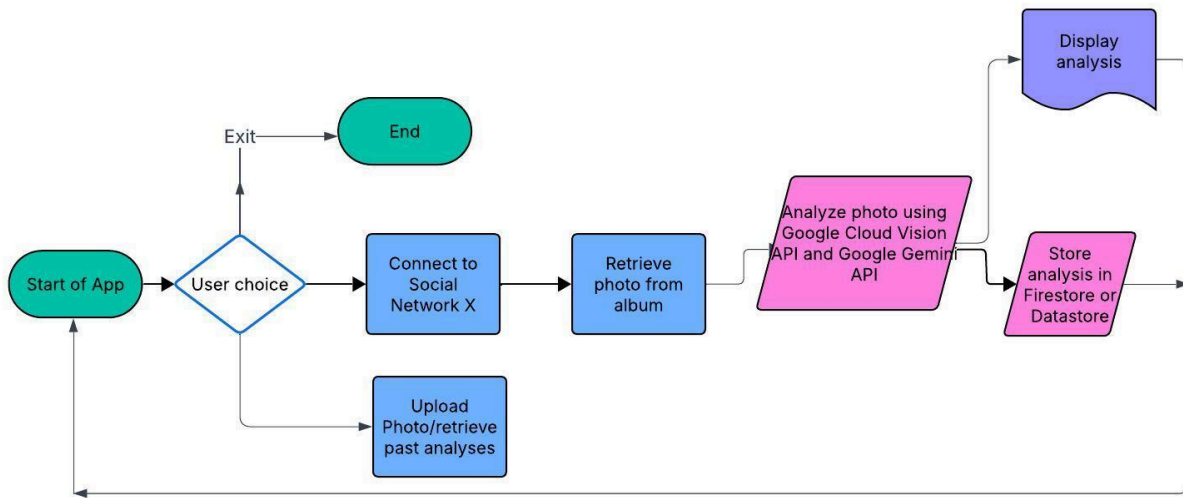
Explore online marketplaces like Etsy, eBay, and Depop. Also, seek out specialized vintage menswear stores (both online and brick-and-mortar) or reproduction brands that focus on specific eras.

Your photo



Analyze another image

3. System Diagram



4. Flow of Control Details (steps in processing with technical details - what you are doing/using)

Flow Control Structure

1. Start
 - Check user access to the application.
2. Upload Image
 - Options:
 - Select Image Button
 - Insert Image URL
 - Connect to Google/Pinterest Account
 - After the user's choice, the following actions can occur:
 - Image Uploaded: Display uploaded image.
 - Invalid Input: Return to step 2 for the user to try again.
3. Display Uploaded Image
 - Action: Show the selected image on the page.

4. Click Analyze Button
 - Decision Point:
 - If the user clicks "Analyze":
 - Proceed to process the image.
 - If not clicked, remain on the current screen.
5. Process Photo
 - Action: Use Google Vision API and Google Gemini to analyze the uploaded photo.
6. Display Analysis Results
 - Results Format:
 - Era
 - Style Tags
 - Top-3 Candidates
 - Shopping Tips
7. Store Analysis Data
 - Action: Store analysis results along with the photo URL hash in Google Datastore or Firestore.
8. End
 - Return to step 2 for further analysis or close the application.