

Project Report: Fashion Search AI

Objectives:

The main objective of this project is to develop a fashion query response system that utilizes AI models to provide detailed and user-friendly responses to fashion-related queries. The system aims to enhance user experience by generating informative and contextually relevant answers, thereby assisting users in finding fashion items based on their preferences.

Design:

The project involves two main layers: the search layer and the generation layer. The search layer is responsible for retrieving relevant fashion items from the dataset based on keyword matching or predefined criteria. The generation layer utilizes advanced AI models like GPT-3.5 to generate detailed responses to user queries, incorporating context and generating natural language responses.

Implementation:

The implementation involved several steps, including data preprocessing, model integration, and query response generation.

Data Preprocessing:

The CSV dataset was formatted to enhance data quality and readability.

Blank entries were replaced, decimal points were standardized, and unnecessary columns were removed.

Text columns were cleaned to remove HTML tags and extra characters.

Model Integration:

Advanced AI models like GPT-3.5 were integrated into the system to generate responses to user queries.

Queries were passed through the model to generate detailed and contextually relevant responses.

Query Response Generation:

User queries were processed by both the search layer and the generation layer.

The search layer retrieved relevant fashion items from the dataset.

The generation layer utilized AI models to generate detailed responses to user queries, incorporating context and generating natural language responses.

Here are the few queries that were used to test the model:

#Query 1: a orange summer dress or kurta to wear over blue denim jeans .

Search Layer:

Query:
a orange summer dress or kurta to wear over blue denim jeans .

Top 3 Search Layer

ID: 8255313

ID: 7572969

ID: 18390376

index	Metadata	Documents	1 to 3 of 3 entries	File	?	
			Distances		IDs	
0	(Brand: 'Vishudh', 'Colour': 'Black', 'Description': 'Black and orange printed kurta with palazzo,Black and orange straight calf length kurta has a round neck,three-quarter sleeves,straight hem,side slits,Black and orange printed palazzo,drawing closure.The model (height 5'8") is wearing a size S,Top fabric: Viscose Rayon,Bottom fabric: Viscose Rayon,Machine-wash', 'Name': 'Vishudh Women Black & Orange Printed Kurti with Palazzo', 'Price_INR': 2549, 'Product_attributes': 'Add-Ons: NA,Body Shape: ID: 443,333,324,424,Body or Garment Size: Garment Measurements in: Bottom Closure: Drawing, Bottom Fabric: Viscose Rayon, Bottom Pattern: Printed, Bottom Type: Palazzo, Character: NA, Dupatta Border: NA, Dupatta Fabric: NA, Dupatta Pattern: NA, Main Trend: NA, Neck: Round Neck, Number of Pockets: NA, Occasion: Daily, Ormentation: NA, Pattern Coverage: None, Print or Pattern Type: Floral, Sleeve Length: Three-Quarter Sleeves, Sleeve Styling: Regular Sleeves, Sil Detail: Side Slit, Silhouette: Ready to Wear, Sustainable: Regular, Technique: Screen, Top Design Styling: Regular, Top Fabric: Viscose Rayon, Top Hemline: Straight, Top Length: Calf Length, Top Pattern: Printed, Top Shape: Straight, Top Type: Kurta, Waistband: Elasticated, Wash Care: Machine Wash, Weave Pattern: Regular, Weave Type: Machine Weave', 'Product_id': 8255313, 'Product_Type': 'Kurta, Palazzo', 'Rating': 4.2, 'RatingCount': 1436)	Black and orange printed kurta with palazzo,Black and orange straight calf length kurta,has a round neck,three-quarter sleeves,straight hem,side slits,Black and orange printed palazzo,drawing closure.The model (height 5'8") is wearing a size S,Top fabric: Viscose Rayon,Bottom fabric: Viscose Rayon,Machine-wash	0.26038011069913905	8255313		
1	(Brand: 'Vishudh', 'Colour': 'Red', 'Description': 'Red and orange self design kurta with palazzo,Red and orange a-line ankle length kurta has a mandarin collar,long sleeves,flared hem,front slit,Red and orange solid palazzo,drawing closure.The model (height 5'8") is wearing a size S,Top fabric: Cotton Blend,Bottom fabric: Cotton Blend,Dry-clean', 'Name': 'Vishudh Women Red & Orange Self Design Kurta with Palazzo', 'Price_INR': 6700, 'Product_attributes': 'Body Shape: ID: 443,333,324,424,Body or Garment Size: Garment Measurements in: Bottom Closure: Drawing, Bottom Fabric: Cotton Blend, Bottom Pattern: Solid, Bottom Type: Palazzo, Dupatta Border: NA, Dupatta Fabric: NA, Dupatta Pattern: NA, Dupatta Style: Round Neck, Number of Pockets: NA, Occasion: Festive, Ormentation: NA, Pattern Coverage: None, Print or Pattern Type: Floral, Sleeve Length: Long Sleeves, Sleeve Styling: Regular Sleeves, Sil Detail: Front Slit, Silhouette: Ready to Wear, Technique: Screen, Top Design Styling: Regular, Top Fabric: Cotton Blend, Top Hemline: Flared, Top Length: Floor Length, Top Pattern: Self Design, Top Shape: A-Line, Top Type: Kurta, Waistband: NA, Wash Care: Dry Clean, Weave Pattern: Jacquard, Weave Type: Machine Weave', 'Product_id': 7572969, 'Product_Type': 'Kurta, Palazzo', 'Rating': 4.1, 'RatingCount': 229)	Red and orange self design kurta with palazzo,Red and orange a-line ankle length kurta,has a mandarin collar,long sleeves,flared hem,front slit,Red and orange solid palazzo,drawing closure.The model (height 5'8") is wearing a size S,Top fabric: Cotton Blend,Bottom fabric: Cotton Blend,Dry-clean	0.20205447803497314	7572969		
2	(Brand: 'KALINI', 'Colour': 'Orange', 'Description': 'Orange printed Kurta with Palazzo with dupatta,Kurta design: 'Ethnic Motifs,printed,A-line shape,Regular style,Round Neck,three-quarter regular sleeves,Calf length with straight hem,Pure cotton machine weave fabric,Palazzo design: 'Printed Trousers,Elasticated waistband,Slip-on closure,Pure Cotton,Regular Machine-wash,The model (height 5'6") is wearing a size S', 'Name': 'KALINI Women Orange Printed Pure Cotton Kurta with Trouser & With Dupatta', 'Price_INR': 3000, 'Product_attributes': 'Add-Ons: NA,Body Shape: ID: 333,424,Body or Garment Size: To Fit Diverse Body Measurements in: Bottom Closure: Slip-On, Bottom Fabric: Pure Cotton, Bottom Pattern: Printed, Bottom Type: Trousers, Character: NA, Dupatta: With Dupatta, Dupatta Border: Printed, Dupatta Fabric: Pure Cotton, Dupatta Pattern: Printed, Main Trend: Floral, Neck: Round Neck, Number of Pockets: NA, Occasion: Daily, Ormentation: NA, Pattern Coverage: Large, Print or Pattern Type: Ethnic Motifs, Sleeve Length: Three-Quarter Sleeves, Sleeve Styling: Regular Sleeves, Sil Detail: Side Slit, Silhouette: Ready to Wear, Sustainable: Regular, Technique: Screen, Top Design Styling: Regular, Top Fabric: Pure Cotton, Top Hemline: Straight, Top Length: Calf Length, Top Pattern: Printed, Top Shape: A-Line, Top Type: Kurta, Waistband: Elasticated, Wash Care: Machine Wash, Weave Pattern: Regular, Weave Type: Machine Weave, Wedding: Guests & Gifting', 'Product_id': 18390376, 'Product_Type': 'Kurta, Trouser, Dupatta', 'Rating': 4.2, 'RatingCount': 10)	Orange printed Kurta with Palazzo with dupatta,Kurta design: 'Ethnic Motifs,printed,A-line shape,Regular style,Round Neck,three-quarter regular sleeves,Calf length with straight hem,Pure cotton machine weave fabric,Palazzo design: 'Printed Trousers,Elasticated waistband,Slip-on closure,Pure Cotton,Regular Machine-wash,The model (height 5'6") is wearing a size S	0.20384276151657104	18390376		

Show 25 per page

Generation layer:

Based on the user query for an orange summer dress or kurta to wear over blue denim jeans, we have identified the following relevant fashion items from the dataset:

1. Item: Black and orange printed kurta with palazzo
- Brand: Vishudh
- Description: This kurta comes in a black and orange print, perfect for a stylish summer look. It can be paired with blue denim jeans for a casual yet chic outfit.

2. Item: Red and orange self design kurta with palazzo
- Brand: Vishudh
- Description: Although this item features red and orange colors, it offers a vibrant option that can be considered for a summer ensemble paired with blue denim jeans.

3. Item: Orange printed Kurta with Palazzo with dupatta
- Brand: KALINI
- Description: This orange printed kurta and palazzo set by KALINI provides a color-ful and trendy choice for a summer outfit. It can be paired elegantly with blue denim jeans.

These fashion items mentioned above can be suitable options for wearing over blue denim jeans during the summer season. You may consider exploring these items further to find the perfect orange attire to complement your blue denim jeans for a stylish summer look.

ID: 8255313

ID: 7572969

ID: 18390376


#Query 2: I'm looking for office wear sarees in elegant colors like pink, violet, or green. I prefer sarees with full embroidered designs, suitable for professional settings. There's no specific price range, as quality is my priority. These sarees will be worn for office meetings and formal events.

Search Layer:


Query:
I'm looking for office wear sarees in elegant colors like pink, violet, or green.
I prefer sarees with full embroidered designs, suitable for professional settings.
There's no specific price range, as quality is my priority.
These sarees will be worn for office meetings and formal events.

Top 3 Search Layer


ID: 14006764



ID: 14006702



ID: 19165458



Index	Metadatas	Documents	1 to 3 of 3 entries	Filter	IDs
0	[{"Brand": "Saree mall", "Colour": "Green", "Description": "Offering both style and elegance, this saree is the ideal festive wear. Its attractive floral print lends an ethnic touch, while the woven design border adds class. Green woven design saree. Floral print. Woven design border. Silk Blend. Silk Blend. Dry clean. The model is wearing the attached blouse that comes with the saree. Trend Alert! Soft, light and soothing pastels always make a comeback in the spring and summer seasons. Encompassing a palette of hues including delicate pinks, pale lilac, cool blues, and mint tints, pastels exude a fresh, youthful vibe. Saree fabric: Silk Blend. Blouse fabric: Silk Blend. Dry clean. Length: 5.5 metres plus 0.8 metre (80cm) blouse piece. Width: 1.06 metres (approx.).", "Name": "Saree mall Green Saree with Woven Design border", "Price_Inr": 7289, "Product_attributes": "Blouse: Blouse Piece, Blouse Fabric: Silk Blend, Border: Woven Design, Care for me: Silk naturally keeps away from dust and does not need frequent washing. Keep away from alcohol-based products. Press in cold water by turning upside down. Dry clean or hand wash separately with a mild detergent. Iron inside down. Store in a muslin cloth away from sunlight in a dry environment. Fold the textile every few months. Multipack Set: NA, Occasion: Traditional, Ornamentation: NA, Pattern: Woven Design, Print or Pattern Type: Floral, Saree Fabric: Silk Blend, Style Tip: Accentuate your saree with traditional hoops adorned with stones, and comfy flat sandals, and a stunning cummerbund. Sustainable: Regular, Trends: NA, Type: Banarasi, Wash Care: Dry Clean, Wedding: Guests & Gifting, Where-to-wear: Ideal to wear to a high-lux party with friends", "Product_id": 14006764, "Product_Type": "Saree", "Rating": 4.4, "Rating_Count": 50}]	Offering both style and elegance, this saree is the ideal festive wear. Its attractive floral print lends an ethnic touch, while the woven design border adds class. Green woven design saree. Floral print. Woven design border. Silk Blend. Silk Blend. Dry clean. The model is wearing the attached blouse that comes with the saree. Trend Alert! Soft, light and soothing pastels always make a comeback in the spring and summer seasons. Encompassing a palette of hues including delicate pinks, pale lilac, cool blues, and mint tints, pastels exude a fresh, youthful vibe. Saree fabric: Silk Blend. Blouse fabric: Silk Blend. Dry clean. Length: 5.5 metres plus 0.8 metre (80cm) blouse piece. Width: 1.06 metres (approx.).	0.27401984753006704	14006764	
1	[{"Brand": "Saree mall", "Colour": "Pink", "Description": "Breathe life into your ethnic collection by adding this elegant-looking saree. Designed with a floral print, woven border, and a silk blend fabric, this piece is sure to add to your appeal. Design Details: Pink and blue dyed Banarasi saree. Floral printed saree with woven design border. Trend Alert! Soft, light and soothing pastels always make a comeback in the spring and summer seasons. Encompassing a palette of hues including delicate pinks, pale lilac, cool blues, and mint tints, pastels exude a fresh, youthful vibe. Saree fabric: Silk Blend. Blouse fabric: Silk Blend. Dry clean. Length: 5.5 metres plus 0.8 metre (80 cm) blouse piece. Width: 1.06 metres (approx.).", "Name": "Saree mall Pink & Blue Floral Dyed Banarasi Saree", "Price_Inr": 7090, "Product_attributes": "Blouse: Blouse Piece, Blouse Fabric: Silk Blend, Border: Woven Design, Multipack Set: NA, Occasion: Traditional, Ornamentation: NA, Pattern: Printed, Print or Pattern Type: Floral, Saree Fabric: Silk Blend, Style Tip: Accentuate your saree with traditional hoops adorned with stones, and comfy flat sandals, and a stunning cummerbund. Sustainable: Regular, Trends: NA, Type: Banarasi, Wash Care: Dry Clean, Wedding: Guests & Gifting, Where-to-wear: Ideal to wear to a high-lux party with friends", "Product_id": 14006702, "Product_Type": "Saree", "Rating": 4.2, "Rating_Count": 53}]	Breathe life into your ethnic collection by adding this elegant-looking saree. Designed with a floral print, woven border, and a silk blend fabric, this piece is sure to add to your appeal. Design Details: Pink and blue dyed Banarasi saree. Floral printed saree with woven design border. Trend Alert! Soft, light and soothing pastels always make a comeback in the spring and summer seasons. Encompassing a palette of hues including delicate pinks, pale lilac, cool blues, and mint tints, pastels exude a fresh, youthful vibe. Saree fabric: Silk Blend. Blouse fabric: Silk Blend. Dry clean. Length: 5.5 metres plus 0.8 metre (80 cm) blouse piece. Width: 1.06 metres (approx.).	0.2900733047753906	14006702	
2	[{"Brand": "HRITIKA", "Colour": "Pink", "Description": "Design Details: Pink saree. Floral embroidered saree with embroidered border. Has chikan kari detail. The saree comes with an unstitched blouse piece. The blouse worn by the model might be for modeling purpose only. Check the image of the blouse piece to understand how the actual blouse piece looks like. Saree Fabric: Poly Georgette. Blouse Fabric: Silk Blend. Dry Clean. Length: 5.5 metres plus 0.8 metre blouse piece. Width: 1.06 metres (approx.).", "Name": "HRITIKA Women Pink Georgette Floral Chikan kari Saree", "Price_Inr": 6595, "Product_attributes": "Blouse: Blouse Piece, Blouse Fabric: Silk Blend, Border: Embroidered, Care for me: NA, Multipack Set: NA, Occasion: Festive, Ornamentation: Chikan kari, Pattern: Embroidered, Print or Pattern Type: Floral, Saree Fabric: Poly Georgette, Style Tip: traditional, trendy, stylish and graceful, there's no denying that a woman's beauty is accentuated by a saree, when you are shopping online for designer sarees for festive occasions or regular sarees for casual ethnic wear, you'll be amazed with the selection from hritika. browse through our elegant saree collection to pick your favourites for work wear, festive celebrations or everyday casuals. Sustainable: Regular, Trends: Designer Saree, Type: NA, Wash Care: Dry Clean, Wedding: Bride & Wedding Squad, Where-to-wear: casual, party, festive, traditional, work, wedding", "Product_id": 19165458, "Product_Type": "Saree", "Rating": 0.0, "Rating_Count": 0}]	Design Details: Pink saree. Floral embroidered saree with embroidered border. Has chikan kari detail. The saree comes with an unstitched blouse piece. The blouse worn by the model might be for modeling purpose only. Check the image of the blouse piece to understand how the actual blouse piece looks like. Saree Fabric: Poly Georgette. Blouse Fabric: Silk Blend. Dry Clean. Length: 5.5 metres plus 0.8 metre blouse piece. Width: 1.06 metres (approx.).	0.2901042103767395	19165458	

Generation layer:(2 examples)

Based on your requirements for office wear sarees in elegant colors and full embroidered designs, here are the top 3 relevant options:


1. **Saree mall Green Saree**:
- **Brand**: Saree mall
- **Description**: Offering both style and elegance, this saree is a versatile choice for professional settings.
- **Color**: Green
- **ID**: 14006764
- **Price**: Refer to the online store for current pricing.

2. **Saree mall Pink Saree**:
- **Brand**: Saree mall
- **Description**: Breathe life into your ethnic collection with this beautifully embroidered saree.
- **Color**: Pink
- **ID**: 14006702
- **Price**: Check the website for the latest price details.


3. **HRITIKA Pink Saree**:
- **Brand**: HRITIKA
- **Description**: This pink saree features floral embroidery, perfect for a professional yet stylish look.
- **Color**: Pink
- **ID**: 19165458
- **Price**: For current pricing information, please visit the store's website.

These sarees with intricate embroidery in elegant colors like pink and green are ideal for office meetings and formal events. You can explore these options further to find the perfect saree that matches your preference for quality and professional appearance.


ID: 14006764



ID: 14006702



ID: 19165458



Based on your preferences for office wear sarees in elegant colors like pink, violet, or green with full embroidered designs suitable for professional settings, here are the top 3 relevant options:


1. **Saree Mall Green Embroidered Saree**
- Brand: Saree Mall
- Colour: Green
- Description: Offering both style and elegance, this saree is perfect for professional occasions. It features intricate embroidery which adds a touch of sophistication to your office wear collection.

2. **Saree Mall Pink Embroidered Saree**
- Brand: Saree Mall
- Colour: Pink
- Description: Breathe life into your ethnic collection with this beautiful pink saree. Its full embroidered design exudes grace and charm, making it a great choice for office meetings and formal events.


3. **HRITIKA Pink Floral Embroidered Saree**
- Brand: HRITIKA
- Colour: Pink
- Description: This pink saree boasts floral embroidery details that bring a feminine touch to your formal look. The intricate designs are perfect for adding a touch of elegance to your office wardrobe.

These sarees from Saree Mall and HRITIKA offer a blend of elegance and professionalism, making them ideal choices for your office meetings and formal events. You can explore these options further to select the one that aligns best with your style preferences.


ID: 14006764



ID: 14006702



ID: 19165458




#Query 3: I'm searching for a versatile black leather jacket, suitable for various occasions and effortlessly complementing any outfit. Preferably in size XL.

Search Layer:


query:
I'm searching for a versatile black leather jacket, suitable for various occasions and effortlessly complementing any outfit. Preferably in size XL.

Top 3 Search Layer


ID: 18153246



ID: 14355346



ID: 15997714



index	IDs	Documents	Distances	Metadata
0	18153246	Black solid leather jacket with zip detail, has a mandarin collar, 2 pockets, has a zip closure,three-quarter sleeves, straight hemline,polyester liningPU,Clean by Professional Leather CleanerThe model (height 5'6) is wearing a size S	0.29169052830279175	["Brand": "Justanned", "Colour": "Black", "Description": "Black solid leather jacket with zip detail, has a mandarin collar, 2 pockets, has a zip closure,three-quarter sleeves, straight hemline,polyester liningPU,Clean by Professional Leather CleanerThe model (height 5'6) is wearing a size S", "Name": "Justanned Women Black Outdoor Leather Jacket", "Price_INR": 6999, "Product_attributes": "Add-Ons: NA, Body Shape ID: 324,333,424, Body or Garment Size: Garment Measurements in : Character: NA, Closure: Zip, Collar: Mandarin Collar, Contact Brand or Retailer for pre-sales product queries: cans@justanned.com / +91-9250818182, Fabric: PU, Features: NA, Hemline: Straight, Length: Regular, Lining Fabric: Polyester, Main Trend: NA, Number of Pockets: 2, Occasion: Casual, Pattern: Solid, Print or Pattern Type: Solid, Sleeve Length: Three-Quarter Sleeves, Sport: Outdoor, Sport Team: NA, Surface Styling: Zip Detail, Sustainable: Regular, Technology: NA, Technology Present: No, Type: Leather Jacket, Wash Care: Dry Clean, Weave Type: Woven", "Product_id": 18153246, "Product_type": "Jacket", "Rating": 0.0, "RatingCount": 0]
1	14355346	Chic and versatile,this jacket will take your outfit game to another level. Designed with a lapel collar and long sleeves,this jacket will lend you a bold look. Stylish black colour,Solid pattern,Long sleeves,Polyester,machine wash,Trend Alert,Biker jackets were initially designed to protect bikers from cold weather,wind and dust during long rides. Designed with long sleeves,a zip closure, and a leather sheen,these jackets are now worn to make a fashion statement Outer shell: 30% polyester,6% cotton and 4% viscose,Lining fabric: 100% Polyester,Machine washThe model (height 5'6) is wearing a size S	0.2941691276397705	["Brand": "Roadster", "Colour": "Black", "Description": "Chic and versatile,this jacket will take your outfit game to another level. Designed with a lapel collar and long sleeves,this jacket will lend you a bold look. Stylish black colour,Solid pattern,Long sleeves,Polyester,machine wash,Trend Alert,Biker jackets were initially designed to protect bikers from cold weather,wind and dust during long rides. Designed with long sleeves,a zip closure, and a leather sheen,these jackets are now worn to make a fashion statement Outer shell: 30% polyester,6% cotton and 4% viscose,Lining fabric: 100% Polyester,Machine washThe model (height 5'6) is wearing a size S", "Name": "Roadster Women Stylish Black Solid Biker Jacket", "Price_INR": 5499, "Product_attributes": "Add-Ons: NA, Body Shape ID: 324,333,424, Body or Garment Size: To-Fit Denotes Body Measurements in : Character: NA, Closure: Zip, Collar: Lapel Collar, Fabric: Polyester, Features: NA, Hemline: Straight, Length: Regular, Lining Fabric: Polyester, Main Trend: NA, Number of Pockets: 3, Occasion: Casual, Pattern: Solid, Print or Pattern Type: Solid, Sleeve Length: Long Sleeves, Sport: NA, Style Tip: Match this jacket with studded button earrings, and a pair of peep-toe wedges, and peppy cat-eye sunglasses. Surface Styling: Zip Detail, Sustainable: Regular, Technology: NA, Technology Present: No, Type: Biker Jacket, Wash Care: Machine Wash, Weave Type: Woven, Where-to-wear: Jazz up a fun family get-together", "Product_id": 14355346, "Product_type": "Jacket", "Rating": 4.0, "RatingCount": 40]
2	15997714	Black solid leather jacket with zip detail,has a mock collar,2 pockets, has a zip closure,long sleeves,hem with toggle hemline,without liningFaux Leather,Machine washThe model (height 5'6) is wearing a size S	0.2977490471736906	["Brand": "Tokyo Talkies", "Colour": "Black", "Description": "Black solid leather jacket with zip detail,has a mock collar,2 pockets, has a zip closure,long sleeves,hem with toggle hemline,without liningFaux Leather,Machine washThe model (height 5'6) is wearing a size S", "Name": "Tokyo Talkies Women Black Crop Leather Jacket", "Price_INR": 7149, "Product_attributes": "Add-Ons: NA, Body Shape ID: 333,424, Body or Garment Size: To-Fit Denotes Body Measurements in : Character: NA, Closure: Zip, Collar: Mock Collar, Fabric: Leather, Features: NA, Hemline: Hem with toggle, Length: Crop, Lining Fabric: Unlined, Main Trend: NA, Number of Pockets: 2, Occasion: Casual, Pattern: Solid, Print or Pattern Type: Solid, Sleeve Length: Long Sleeves, Sport: NA, Surface Styling: Zip Detail, Sustainable: Regular, Technology: NA, Technology Present: No, Type: Leather Jacket, Wash Care: Machine Wash, Weave Type: Woven", "Product_id": 15997714, "Product_type": "Jacket", "Rating": 4.5, "RatingCount": 33]

Generation layer:(2 examples)

Based on your query for a versatile black leather jacket in size XL, here are the top 3 relevant search results along with their metadata details:

1. Item ID: 18153246

- Brand: Justanned

- Description: Black solid leather jacket with zip detail, high neck, and long sleeves.

2. Item ID: 14355346

- Brand: Roadster

- Description: Chic and versatile black jacket suitable for various occasions.

3. Item ID: 15997714


- Brand: Tokyo Talkies

- Description: Black solid leather jacket with zip detail, ideal for mixing and matching outfits.


Based on the descriptions and metadata provided, you may find the black leather jackets offered by Justanned, Roadster, and Tokyo Talkies to be suitable for your versatile needs. These jackets are designed to effortlessly complement various outfits, ensuring you can make a stylish statement on any occasion.

For further details or to make a purchase, you can explore the collections of these brands in different retail stores or visit their official websites for more information.


ID: 18153246



ID: 14355346



ID: 15997714



Based on your query for a versatile black leather jacket in size XL, here are the top 3 relevant results from our fashion dataset that you might find suitable:

1. **Justanned Black Solid Leather Jacket**

- Description: Black solid leather jacket with zip detail, perfect for various occasions.

- Brand: Justanned

- Price: Information not provided

- Size availability: XL

- Style: Effortlessly complements any outfit.

2. **Roadster Black Leather Jacket**

- Description: Chic and versatile black leather jacket that suits different looks.

- Brand: Roadster

- Price: Information not provided

- Size availability: XL

- Style: Suitable for various occasions.

3. **Tokyo Talkies Black Solid Leather Jacket**

- Description: Black solid leather jacket with zip detail, providing a stylish edge.

- Brand: Tokyo Talkies

- Price: Information not provided


- Size availability: XL

- Style: Versatile for different outfits.


These leather jackets offer a stylish and versatile option in size XL, ideal for complementing various outfits. You may explore these options further to find the one that best suits your preferences and style.

If you need more detailed information on pricing or other specifications, you can visit the corresponding brand's website or retail stores for a closer look at these jackets.


ID: 18153246



ID: 14355346



ID: 15997714




#Query 4: "I'm seeking ethnic attire suitable for adults, with a preference for Ishin brand. These outfits are intended for festival wear. The clothing set I'm looking for should include a Navy Blue and golden foil printed top with a round neck and three-quarter sleeves, along with a matching skirt featuring a drawstring closure. Both pieces should be made of pure cotton.

Search Layer:


Query:
"I'm seeking ethnic attire suitable for adults, with a preference for Ishin brand. These outfits are intended for festival wear. The clothing set I'm looking for should include a Navy Blue and golden foil printed top with a round neck and three-quarter sleeves, along with a matching skirt featuring a drawstring closure. Both pieces should be made of pure cotton."

Top 3 Search Layer


ID: 11253928



ID: 12637050



ID: 12073072



Index	IDs	Documents	Distances	Metadata
0	11253928	This clothing set consists of top and skirt.Navy Blue and golden foil printed top,has a round neck,three-quarter sleeves,Navy Blue and golden foil printed skirt,has a drawstring closure.The model (height 5'8") is wearing a size S Top fabric: Pure Cotton,Bottom fabric: Pure Cotton,Dry-clean	0.24363373219060588	["Brand": "Ishin", "Colour": "Navy Blue", "Description": "This clothing set consists of top and skirt.Navy Blue and golden foil printed top,has a round neck,three-quarter sleeves,Navy Blue and golden foil printed skirt,has a drawstring closure.The model (height 5'8") is wearing a size S Top fabric: Pure Cotton,Bottom fabric: Pure Cotton,Dry-clean", "Name": "Ishin Women Navy Blue & Golden Foil Printed Top with Skirt", "Price_INR": 4490, "Product_attributes": "Add-Ons: NA, Bottom Closure: Drawstring, Bottom Fabric: Pure Cotton, Bottom Pattern: Printed, Bottom Type: Skirt, Character: NA, Lining: NA, Neck: Round Neck, Number of Pockets: NA, Occasion: Ethnic, Sleeve Length: Three-Quarter Sleeves, Sustainable: Regular, Top Fabric: Pure Cotton, Top Pattern: Printed, Top Type: Top, Trends: NA, Wash Care: Dry Clean", "Product_id": 11253928, "Product_type": "Top, Skirt", "Rating": 0.0, "RatingCount": 0]
1	12637050	This clothing set consists of a top a skirt and a top styled kaffan.Navy blue solid top,has a round neck and sleeveless.Comes with a navy blue solid kaffan styled layer,has a round neck and short flared sleeves, Comes with a fabric belt.Coral red and golden printed skirt,has a drawstring closure.The model (height 5'8") is wearing a size S Top fabric: Viscose Rayon,Bottom fabric: Viscose Rayon,Dry-clean	0.2772180438041687	["Brand": "Biba", "Colour": "Navy Blue", "Description": "This clothing set consists of a top a skirt and a top styled kaffan.Navy blue solid top,has a round neck and sleeveless.Comes with a navy blue solid kaffan styled layer,has a round neck and short flared sleeves, Comes with a fabric belt.Coral red and golden printed skirt,has a drawstring closure.The model (height 5'8") is wearing a size S Top fabric: Viscose Rayon,Bottom fabric: Viscose Rayon,Dry-clean", "Name": "Biba Women Navy Blue & Coral Red Solid Top with Skirt", "Price_INR": 10950, "Product_attributes": "Add-Ons: NA, Bottom Closure: Drawstring, Bottom Fabric: Viscose Rayon, Bottom Pattern: Printed, Bottom Type: Skirt, Character: NA, Lining: NA, Neck: Round Neck, Number of Pockets: NA, Occasion: Ethnic, Sleeve Length: Short Sleeves, Sustainable: Regular, Top Fabric: Viscose Rayon, Top Pattern: Solid, Top Type: Top, Trends: NA, Wash Care: Machine Wash, Wedding: Guests & Gifting", "Product_id": 12637050, "Product_type": "Top, Skirt", "Rating": 3.7, "RatingCount": 3]
2	12073072	This clothing set consists of top,browsers and ethnic jacket.Green and golden foil checked top,has a round neck,sleeveless.Green and golden foil checked trousers,has a slip-on closure,Green and golden foil printed ethnic jacket,has a notched lapel collar,short sleeves,hook and eye closure, and asymmetrical hem.Comes with a matching mask.The model (height 5'5") is wearing a size S Top fabric: Viscose Rayon,Bottom fabric: Viscose Rayon,Dry-clean	0.2763554395934618	["Brand": "Ovi Glam", "Colour": "Green", "Description": "This clothing set consists of top,browsers and ethnic jacket.Green and golden foil checked top,has a round neck,sleeveless.Green and golden foil checked trousers,has a slip-on closure,Green and golden foil printed ethnic jacket,has a notched lapel collar,short sleeves,hook and eye closure, and asymmetrical hem.Comes with a matching mask.The model (height 5'5") is wearing a size S Top fabric: Viscose Rayon,Bottom fabric: Viscose Rayon,Dry-clean", "Name": "Ovi Glam Women Green & Golden Foil Printed Top with Trousers and Ethnic Jacket", "Price_INR": 2900, "Product_attributes": "Add-Ons: NA, Bottom Closure: Slip-On, Bottom Fabric: Viscose Rayon, Bottom Pattern: Checked, Bottom Type: Trousers, Character: NA, Lining: NA, Neck: Round Neck, Number of Pockets: NA, Occasion: Ethnic, Sleeve Length: Sleeveless, Sustainable: Regular, Top Fabric: Viscose Rayon, Top Pattern: Checked, Top Type: Top, Trends: NA, Wash Care: Dry Clean, Wedding: Guests & Gifting", "Product_id": 12073072, "Product_type": "Top, Trousers, Ethnic Jacket", "Rating": 4.3, "RatingCount": 202]

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Generation layer:

Based on the information provided in the top 3 search results, I have found a relevant fashion item that aligns with your query for ethnic attire suitable for adults, specifically from the Ishin brand for festival wear. The item is described as:

Name: Navy Blue Foil Printed Top and Skirt Set

Brand: Ishin

Description: This clothing set consists of a Navy Blue and golden foil printed top with a round neck and three-quarter sleeves, paired with a matching skirt featuring a drawstring closure. Both pieces are made of pure cotton.


ID: 11253928

This set from Ishin perfectly matches your specifications for a festival attire in ethnic style. The combination of Navy Blue and golden foil print adds a touch of elegance, while the pure cotton fabric ensures comfort during festivities.


Please note that the other search results did not match the specific criteria you provided regarding the Navy Blue and golden foil printed outfit from the Ishin brand.

For more details, such as pricing and availability, I recommend visiting our website page for the Ishin brand. If you need further assistance or have any other preferences, feel free to let me know!


ID: 12073072



ID: 12637050



ID: 11253928



There were many more queries that was used, for project purpose I have listed only few here as well as at the code terminal.

Challenges:

Several challenges were encountered during the implementation process:

Metadata Processing: Initially, there were issues with processing metadata, which affected the display of results. This was resolved through debugging and refining the metadata processing code.

Dataset Chunking: Loading the entire dataset without chunking posed a challenge due to memory constraints. However, chunking was not implemented due to time constraints and the manageable size of the dataset.

Lessons Learned:

Proper data preprocessing is crucial for ensuring data quality and readability.

Integrating advanced AI models can significantly enhance the system's capabilities in generating detailed and contextually relevant responses.

Handling large datasets requires careful consideration of memory constraints and implementation of efficient data processing techniques.

Future Scope:

As a future scope, the project can be extended by implementing it as a Flask web application and hosting it on a website. This would provide better interaction and aesthetics for users. Additionally, rephrasing prompts and introducing interactive sessions with criteria-based filters could further enhance the system's performance and user experience.

Conclusion:

Upon comparison of the search query outcomes from both the search and generation layers, it becomes apparent that the generation layer produces more detailed and comprehensible results. While the search layer retrieves relevant information through keyword matching or set criteria, the generation layer utilizes advanced AI models like GPT-3.5 to dynamically generate responses, incorporating context and furnishing tailored and informative answers.

The generation layer's capability to comprehend query context and furnish responses in natural language enhances overall readability and user engagement. Its flexibility allows it to adapt to various query formats and provide customized responses, catering to diverse user preferences.

This versatility makes it a valuable tool for tasks necessitating comprehensive understanding and communication of information. In summary, while the search layer efficiently retrieves relevant information, the generation layer significantly enhances output quality and readability, making it a preferred choice for tasks requiring detailed and user-friendly responses.