



# AI Virtual Shopping Assistant

A decorative header image featuring a teal and white abstract pattern, possibly representing water or a textured surface, located at the top of the page.

# CONTENTS

1. Introduction

2. Features

3. Technology Stack

4. Prerequisites

5. API

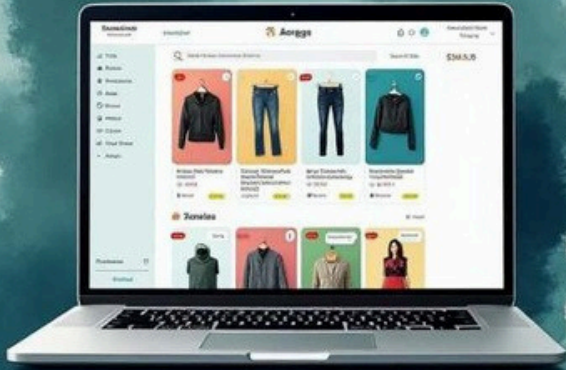
6. Why shopify

7. Security Considerations

# Introduction

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A modern, AI-powered e-commerce website that provides personalized shopping experiences using Gemini AI and Shopify Storefront API. This application features intelligent product recommendations, conversational AI chat, and a seamless shopping experience.



# Features

## AI-Powered Shopping

- **Intelligent Recommendations:** Get personalized product suggestions based on your style, budget, and preferences.
- **AI Chat Assistant:** Conversational interface for shopping advice, style suggestions, and product discovery.
- **Smart Cart Management:** AI-generated cart summaries and suggestions for completing your look.

## E-commerce Functionality

- **Product Catalog:** Browse products with advanced filtering and search.
- **Shopping Cart:** Full cart management with quantity controls and real-time updates.
- **Product Details:** Comprehensive product pages with variants, images, and AI recommendations.
- **Responsive Design:** Mobile-first design that works on all devices.

## User Experience

- **Personalized Interface:** Remembers your preferences and shopping history.
- **Modern UI/UX:** Beautiful, intuitive interface built with Tailwind CSS and Framer Motion.
- **Fast Performance:** Optimized React application with efficient state management.



# Technology Stack

## Frontend

React + TypeScript

## Styling

Tailwind CSS

## Animations

Framer Motion

## API Integration

Google Gemini API

## E-commerce

ShopifyStorefront API

## State Management

React Context API

## Routing

React Router v

## Icons

Heroicons

## Notifications

React Hot Toast



# Prerequisites

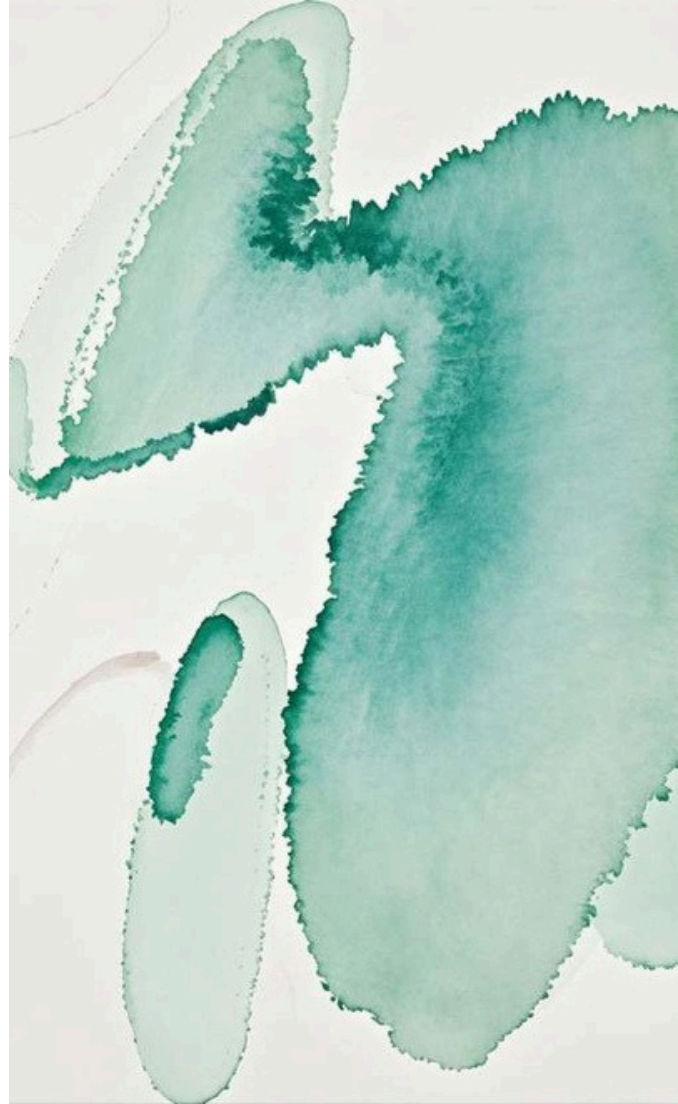
Before running this application, you'll need:

Node.js (v or higher)

npm or yarn

Google Gemini AI API Key

Shopify Store with Storefront API  
access





# Gemini API

The application uses Google's Gemini AI for:

Product recommendations

Cart summaries

Shopping advice

Conversational assistance



# Shopify Storefront API

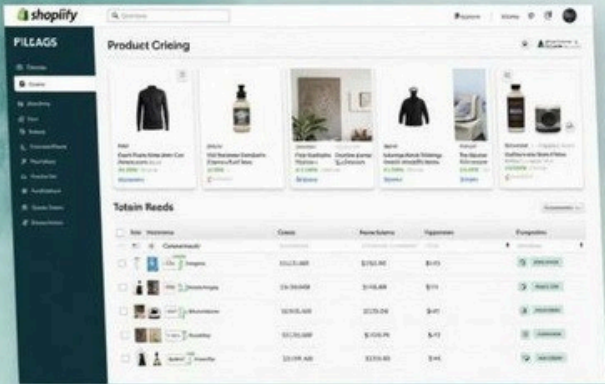
Integrates with Shopify for:

Product catalog management

Inventory tracking

Product variants and options

Real-time product data







# Security Considerations



API keys are stored in environment variables.



No sensitive data is exposed in client-side code.



Shopify Storefront API provides secure product access.



Input validation and sanitization implemented.

# Thank You

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