



AI Virtual Shopping Assistant

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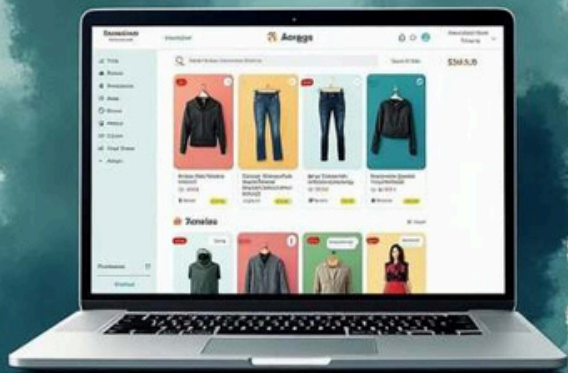
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Introduction

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

Shopify Storefront API

State Management

React Context API

Routing

React Router v

Icons

Heroicons

Notifications

React Hot Toast



Prerequisites

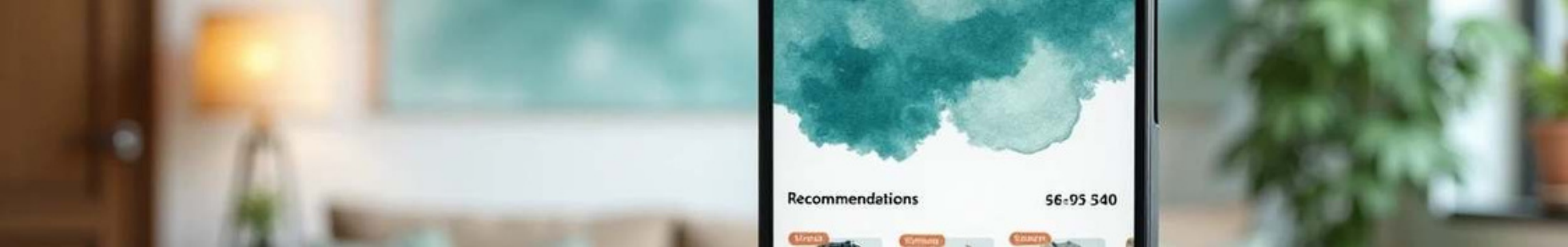
Before running this application, you'll need:

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

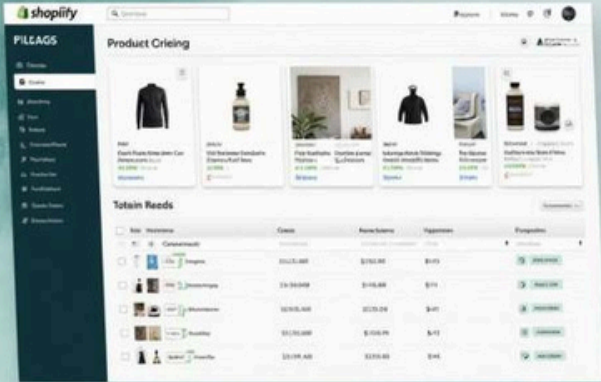
Integrates with Shopify for:

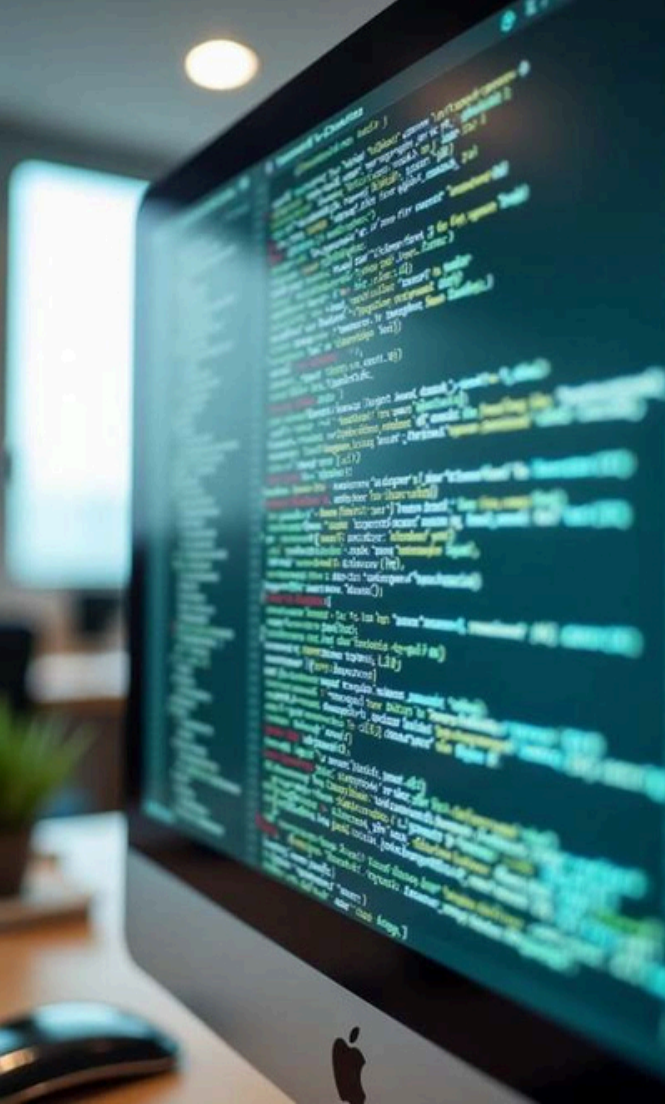
Product catalog management

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

-Ayush Pratap Singh