

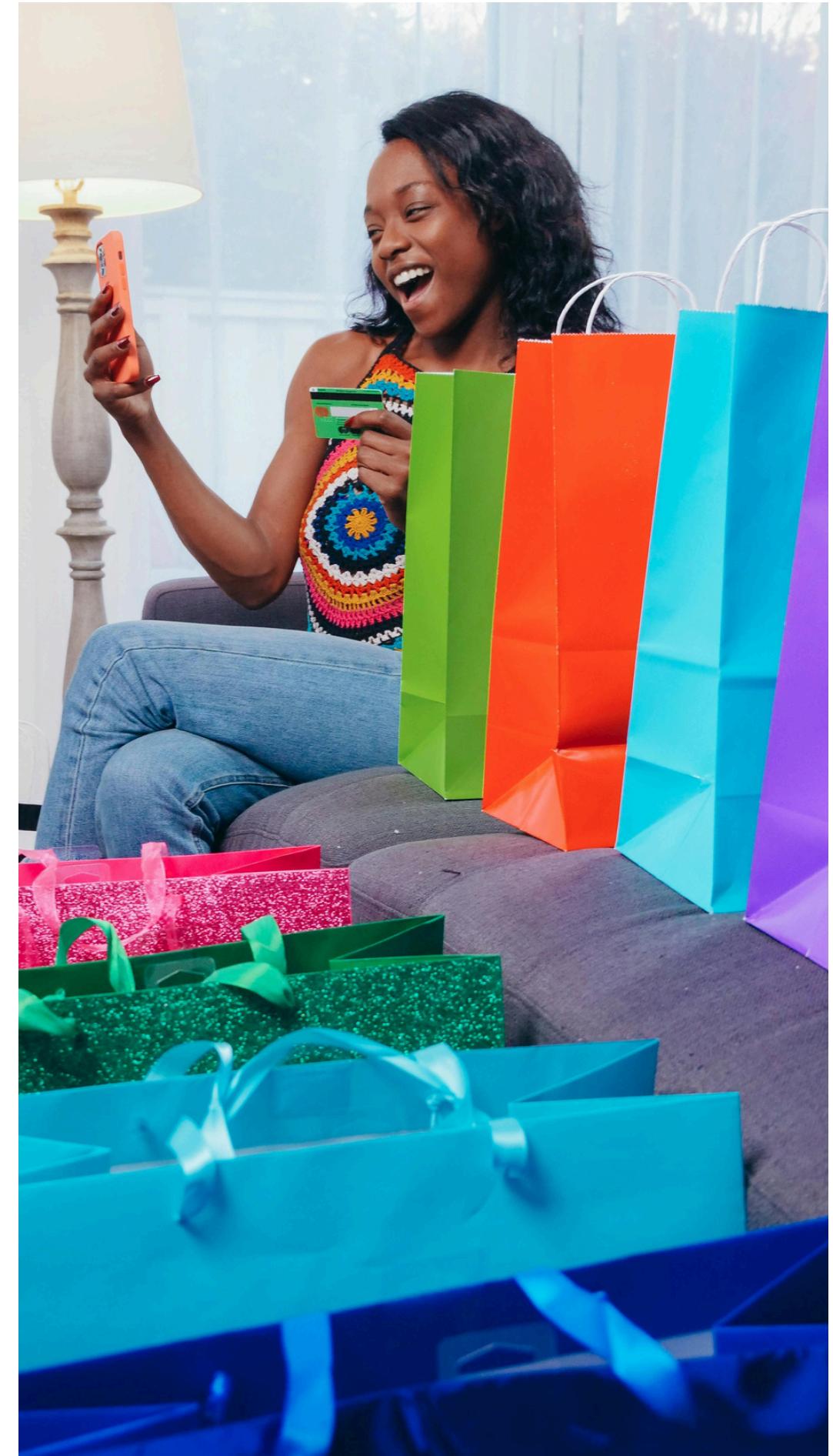


**Savvy-Cart-Market**

**KAMOGELO APHANE**

# Introduction

- As online shopping becomes a daily habit, I wanted to build a fast, user-friendly e-commerce platform that helps people explore products easily and check out smoothly — while showcasing my full MERN stack skills.



# The Problem

**Small businesses and shoppers need a simple and efficient online marketplace.**

**Many platforms are bloated or too expensive to maintain for individuals or small teams.**



# The Solution

- The Solution – Demo Walkthrough Highlights:
- Users can browse a clean product catalog
- Add items to cart
- Seamless checkout experience
- Real-time product updates from a MongoDB backend
- Mobile-friendly design using Tailwind CSS

## Why Choose ShopSmart?

We provide the best shopping experience with quality products and excellent service.

**Fast Delivery**

Get your orders delivered quickly with our reliable shipping partners

**Secure Shopping**

Shop with confidence knowing your data and payments are secure

**24/7 Support**

Our customer support team is always here for you

## Featured Products

Discover our most popular items





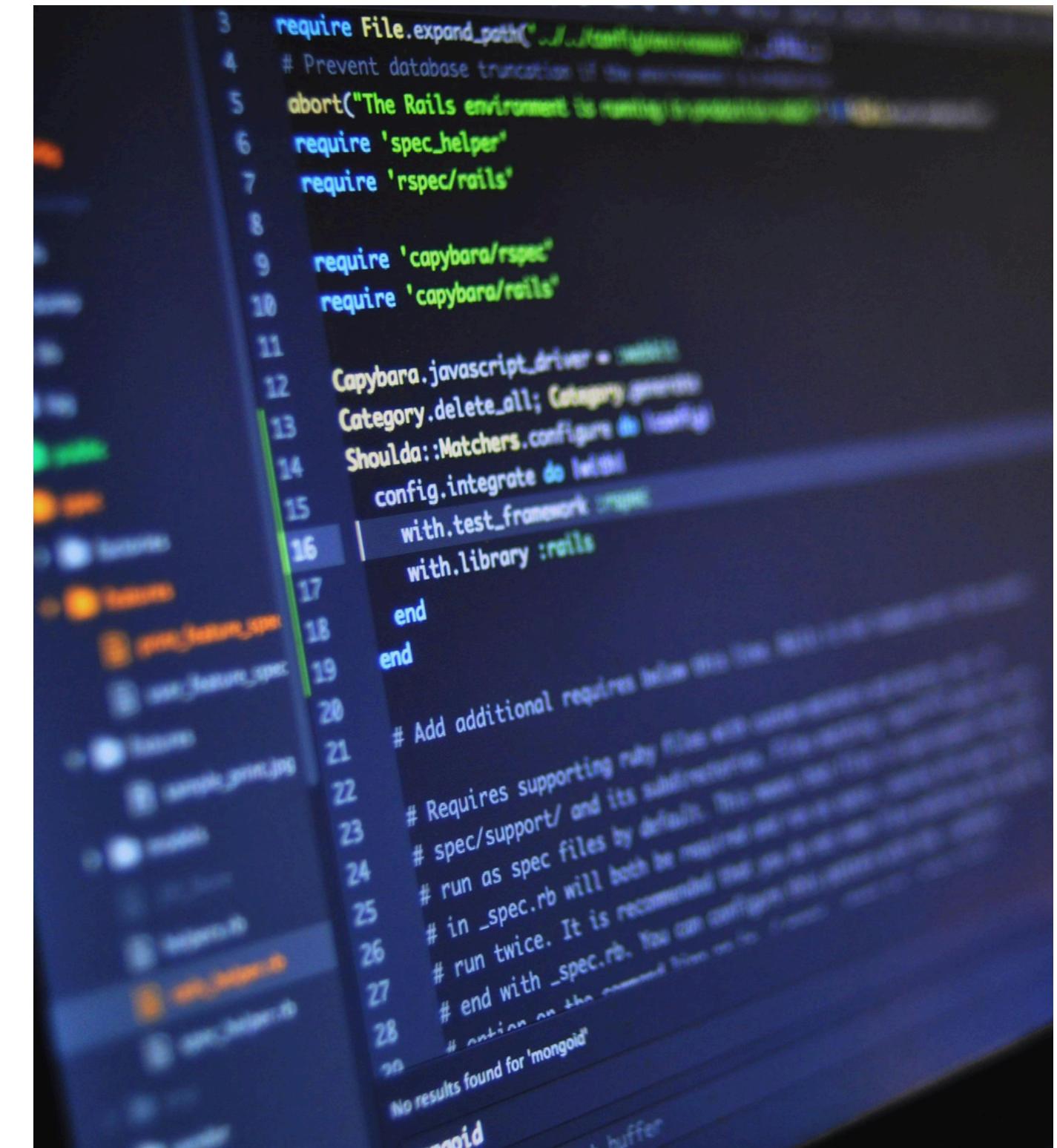


# Tech Stack

- MongoDB: Flexible data storage
- Express.js: Fast backend setup
- React (Vite): Component-driven UI
- Node.js: Handles server logic
- Tailwind CSS: Clean, responsive styling

Optional tools:

- Hosted on Render (backend)
- GitHub for version control
- Supabase used previously (now migrated to MongoDB backend)



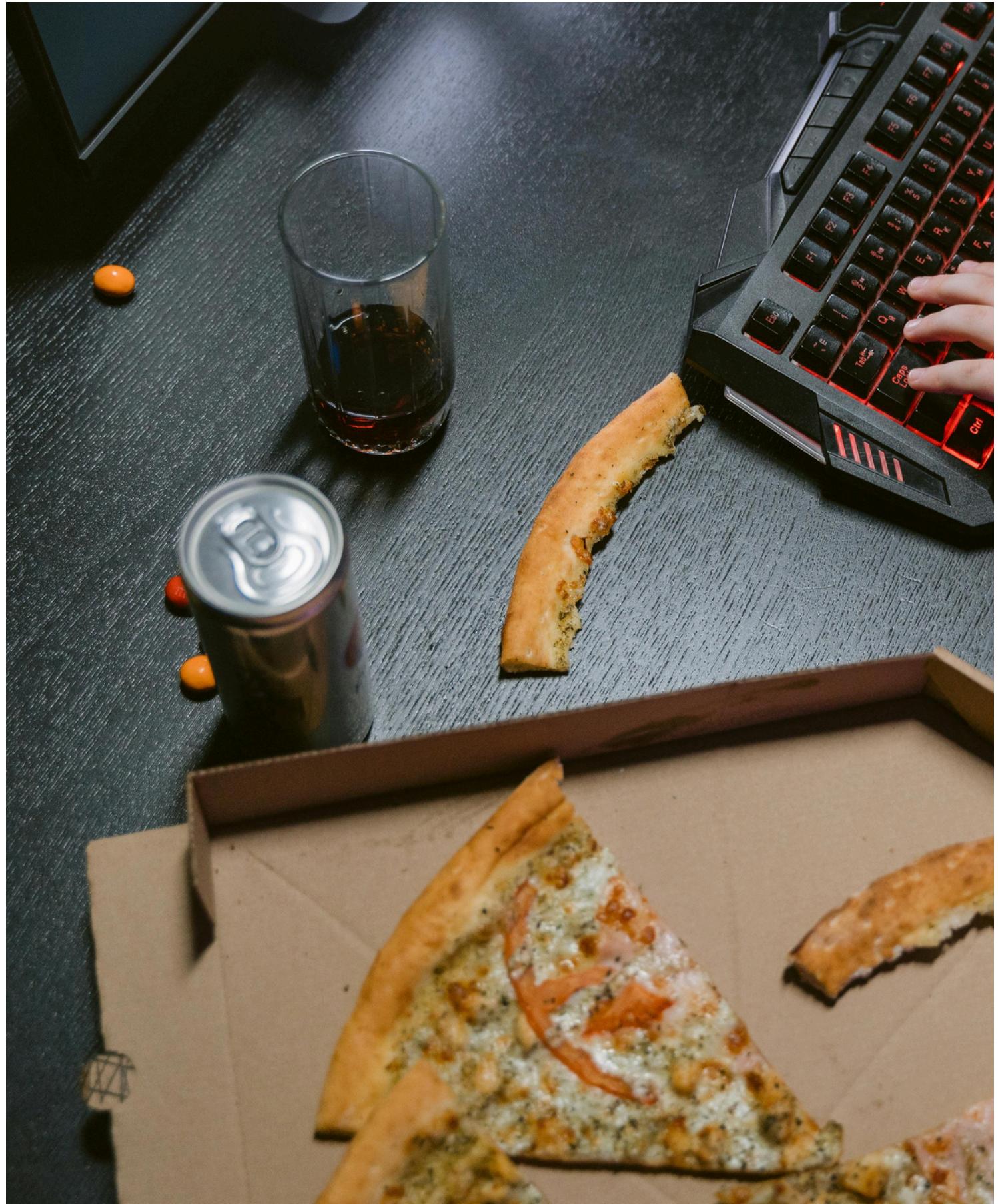
```
3 require File.expand_path("../config/environment", __FILE__)
4 # Prevent database truncation if the database needs
5 abort("The Rails environment is running in production mode!
6 require 'spec_helper'
7 require 'rspec/rails'

8 require 'capybara/rspec'
9 require 'capybara/rails'

10 Copybara.javascript_driver = :webkit
11 Category.delete_all; Category.create!(name: "Tech")
12 Shoulda::Matchers.configure do |config|
13   config.integrate do |with|
14     with.test_framework :rspec
15     with.library :rails
16   end
17 end
18
19 # Add additional requires below this line if you need them
20
21 # Requires supporting files within the same directory as
22 # this file if you want to avoid using the full
23 # spec/support/ and its subdirectories.
24 # run as spec files by default. This means you
25 # in _spec.rb will both be required and run
26 # run twice. It is recommended you name
27 # end with _spec.rb. You can remove this
28 # action on the second run if you want to
29 # no results found for 'mongoid'
30
31 mongoid
32 buffer
```

# Challenges Faced

- Migrating from Supabase to custom MongoDB backend
- Ensuring CORS and environment variables worked correctly
- Structuring product routes and fetching data dynamically in React
- Hosting and environment setup for smooth deployment



# Future Improvements

- Add authentication (login/register)
- Implement search and product filters
- Integrate Stripe or PayFast for real payments
- Admin dashboard for managing products



# Why This Project

- Real-world relevance: E-commerce is everywhere
- Great fit to apply full-stack skills learned
- It benefits small business owners and online shoppers



# What's Next

Continue improving  
UI/UX

Add user profile  
and order history  
features

Explore  
Progressive Web  
App (PWA)  
capabilities for  
mobile

# Final Pitch Practice

Savvy Cart Market is my full-stack e-commerce project built with the MERN stack. It solves the problem of creating a lean, modern shopping experience for small business owners. From database to frontend, I handled the entire workflow. In the future, I'll add authentication, payments, and admin controls to make it a production-ready solution."

