G4

Anandteerth Rao
Adit Shah
Kavya Erukula
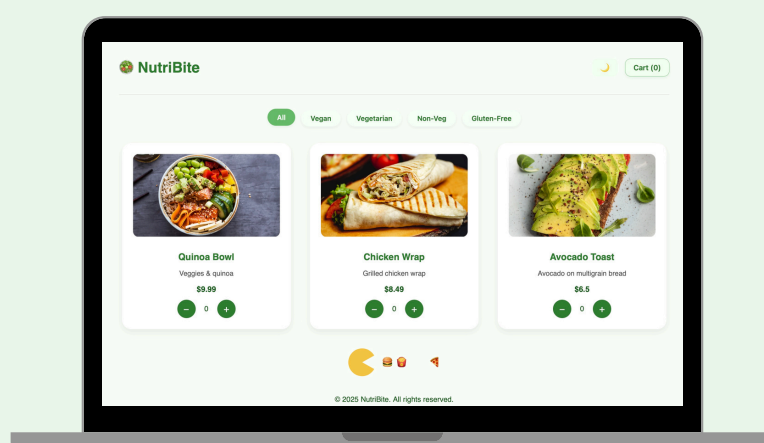Advait Khandale
North Carolina State University - Fall 2025
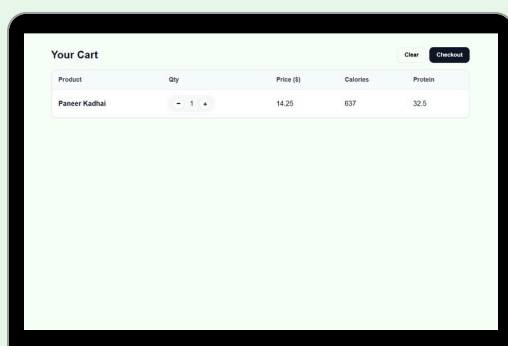
SE-510

NutriBite

Food Delivery, Reinvented!
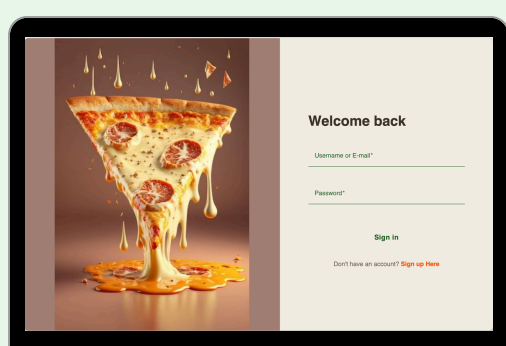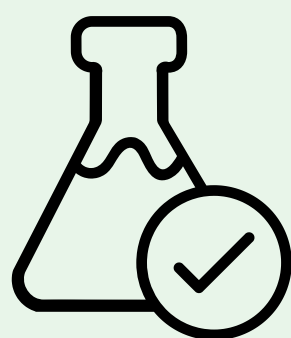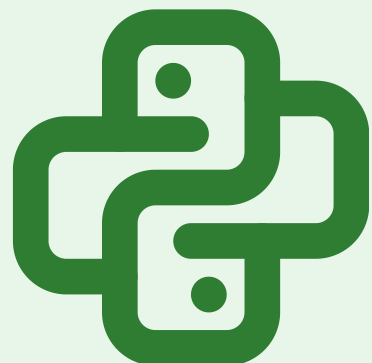
Screenshots

Menu Items Page

Menu Cart Page

Authentication Page

Tech Stack

Mission Statement

Problem
Ordering food online often ignores nutrition and customizations based on taste and health.

Our Solution
NutriBite is a personalized food delivery app that helps users customize their meals based on health goals, allergies, taste and preferences. It offers smart calorie tracking, customizations, flexible menu filtering, and detailed ingredient insights.

Our Vision
This system empowers users to eat consciously while enjoying convenience - promoting healthier food choices without sacrificing taste or time.

Stakeholders

Customers, Restaurant Admins, Delivery Staff, Developers, and Health Enthusiasts.

Core Features

🔒 **Authentication** – Secure login, signup, and password recovery
🛍️ **Dynamic Menus** – Explore and filter food options with ease
🛒 **Smart Cart & Billing** – Smooth and efficient checkout experience
🛒 **Food Customizations** – Adjust spiciness, sweetness, salt level, or build your own meal
🌍 **Global Settings** – Personalized preferences across all orders
🥗 **Dietary Filters** – Supports Veg, Non-Veg, Vegan, Gluten-free, Jain, SwamiNarayan and more
🔥 **Calorie Tracker** – Stay on top of your fitness and nutrition goals

Future Milestones

October (Release 1) - v1.0
- Implement secure authentication & password recovery
- Personalized menu filtering (dietary & taste preferences)
- Smart cart & billing with promo handling
- Food customization sliders and swaps

November (Release 2) - v2.0
- Calorie tracker dashboard & exportable logs
- Admin panel with order analytics & forecasting
- Social recipe sharing & user profiles
- AI-based meal recommendation prototype

"Milestones are measurable and prioritized for incremental releases".

Test Metrics

Performed Unit Tests, Integration Tests, End-2-End Tests using Cypress-Jherkin
Test Coverage = 80%

Github

Video Demo

Discord

Whatsapp