



FOOD-SENSEI – Your AI Nutrition Coach

An AI-powered food analyzer, critic, finder and myth buster

Powered by Gemini APIs & Crew AI | Built with Flask





What is FOOD-SENSEI?

AI-powered nutrition coach that analyzes your food.

Detects packaged vs. unpackaged meals using images.

Estimates nutrition, gives health advice, and busts myths.

Backed by Gemini AI, Crew AI agents, and smart scraping.

Key Features Overview



Smart Food Analyzer

Identify nutrition and health tags from food images.



Healthy Nearby Finder

Locate healthy options around you with live search.



Food Myth Buster

Ask questions; AI debunks myths with science.

Each task is modular and can be demoed independently.





Task 1 – Smart Food Analyzer

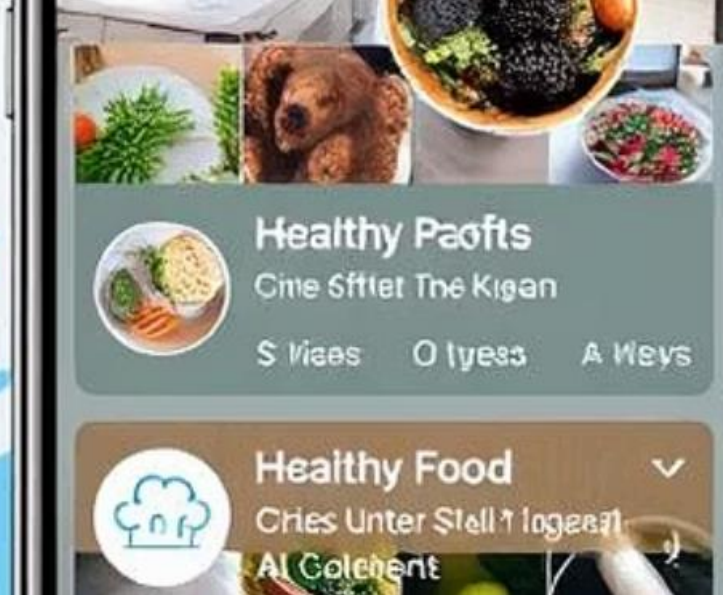
Upload a food photo

Gemini detects
packaging status

Fetch or estimate
nutrition details

Agents tag health
flags

Examples: “Too much sugar,”
“Great choice!”



Task 2 – Healthy Nearby Finder



Enter your location

Easy input for precise results



Gemini and search find healthy spots

Live data powers accurate nearby options



Receive smart alternatives

Example: “No salad? Try half sandwich from Café X.”

Task 3 – Food Myth Buster

User asks food myth questions

Simple input for complex queries

Gemini delivers accurate verdicts

✔ Truth or Myth with scientific backing

Includes practical advice

Optional image input for better context

Behind the Scenes – Tech Stack

Frontend	HTML, CSS, JavaScript
Backend	Python + Flask
AI	Gemini APIs (Vision + Text)
Agents	Crew AI (Nutritionist, Ingredient Checker)
Scraping	requests + BeautifulSoup
Deployment	Replit / Render





Why This Project Rocks

Fast & Lightweight

No database means quick, smooth performance

Real-World Use

Solves everyday nutrition questions and choices

Scalable & Modular

Easily built in phases with demo-able parts

Smart UX & AI

Advanced AI powers intuitive, helpful interface

Next Steps & Help Needed

- Refine prompt design for each core task
- Set up Crew AI agents effectively
- Develop frontend layout and mockups
- Test user feedback and iterate





Thank You!

FOOD-SENSEI is more than an app — your food wisdom partner.

Contact us at info@foodsensei.ai | Team FOOD-SENSEI