

Photograph any medicine. Understand it **in seconds**.

A camera-first AI pharmacist's assistant that explains medicine labels in plain language — and catches the drug combinations that hurt people.

THE PROBLEM

Medicine labels are written for professionals: tiny print, dense jargon, and often not in the reader's first language. So people guess — and guessing with medicine causes the mistakes pharmacists fear most: wrong doses, dangerous combinations, and the same drug taken twice under two different brand names.

THE PRODUCT

Point your phone at any medicine box, bottle, or blister sheet. MedLens reads the label with AI vision and returns a plain-language card: what it is, how it's taken, key warnings, and the danger signs that mean "see a doctor now" — in 7 languages including Swahili, French, Arabic and Hindi.

THE SAFETY NET — OUR DIFFERENCE

MedLens remembers the medicines you take. Every new scan is checked against them automatically: a built-in pharmacology table that works fully offline, plus an AI second opinion. Scan aspirin while ibuprofen is on your list and a CAUTION card explains the real bleeding risk in one sentence. It also flags the same active ingredient hiding in two different brands — the silent overdose path.

RIGOR, BY DESIGN

- Medicine names are cross-checked against **openFDA's official label database**; matches quote the real FDA label, clearly separated from AI text, with a link to the source.
- **Prescription medicines never get invented doses** — the app refuses and defers to the doctor.
- Loose pills force a low-confidence warning; uncertain reads are labeled, never bluffed.
- Every card carries a plain disclaimer with poison-control guidance.

IMPLEMENTATION

- Zero-dependency single-file PWA — installable, offline-capable, in-app live camera.
- Gemini 2.5 Flash vision (JSON mode); photos downscaled client-side for ~3-second scans on mobile data, never stored.
- Cloudflare Worker holds the AI key server-side (rate-limited) — **visitors scan real medicines with zero setup**.
- Tested on real products, including a non-US dental gel read correctly on day one.

Try it in 60 seconds: open <https://medlens.rohnringo3.workers.dev> → tap "Try a sample — Advil" → follow the blue button → watch MedLens catch a real ibuprofen-aspirin interaction. Then point your camera at any medicine near you — no account, no key, no setup.