

The background features a vibrant blue gradient with subtle, wavy horizontal lines. In the bottom right corner, there is a colorful abstract shape with shades of purple, pink, orange, and red.

aws SUMMIT

INDIA | MAY 25, 2023

AIML006

Building a virtual continuous glucose monitor and Indian food detector using AI & ML on AWS

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Agenda

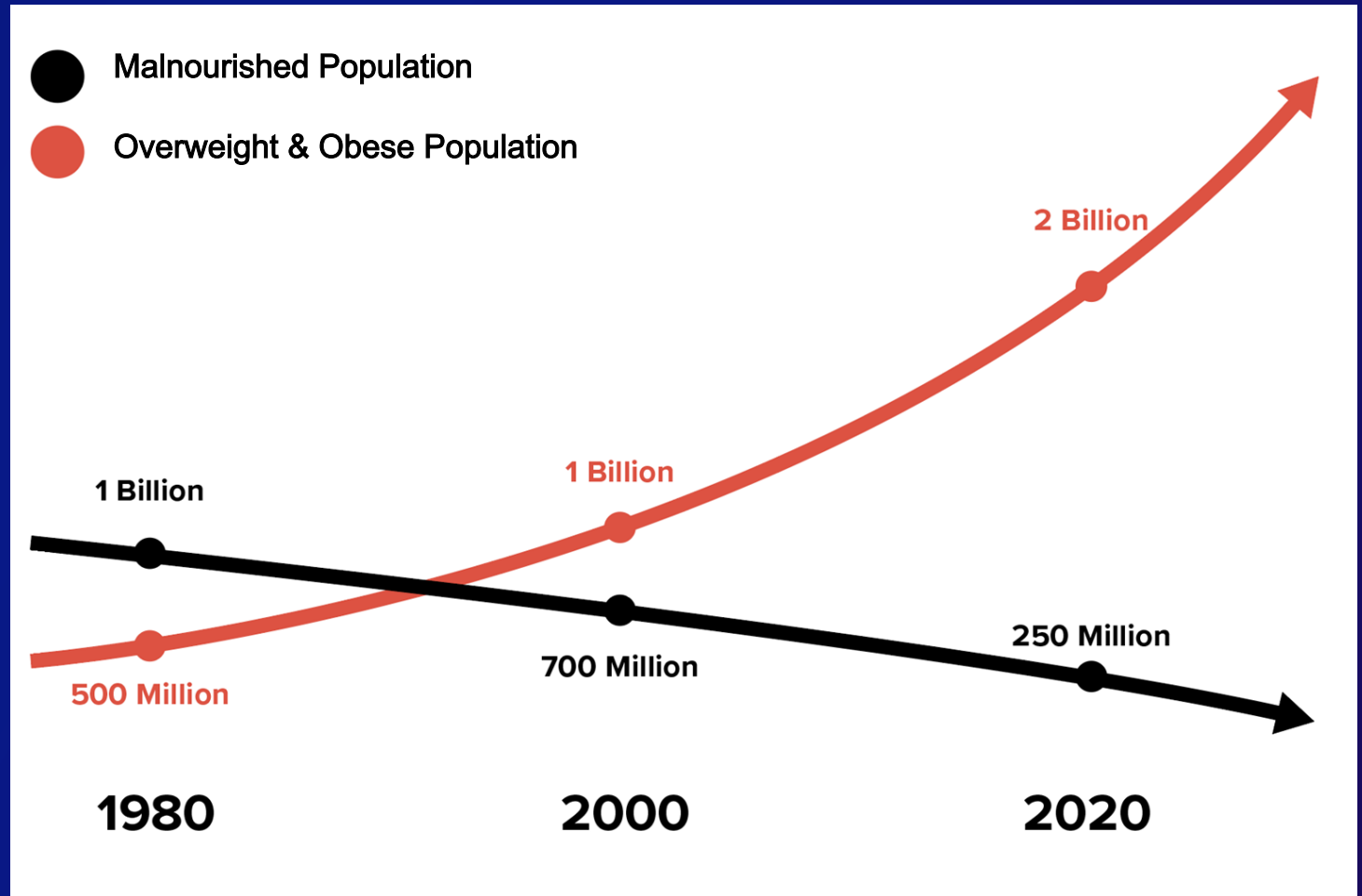
- About HealthifyMe
- AIML for good
- Snap – food detection feature
- Virtual Continuous Glucose Monitoring (CGM)
- Way forward

“Our mission is to healthify a billion.”



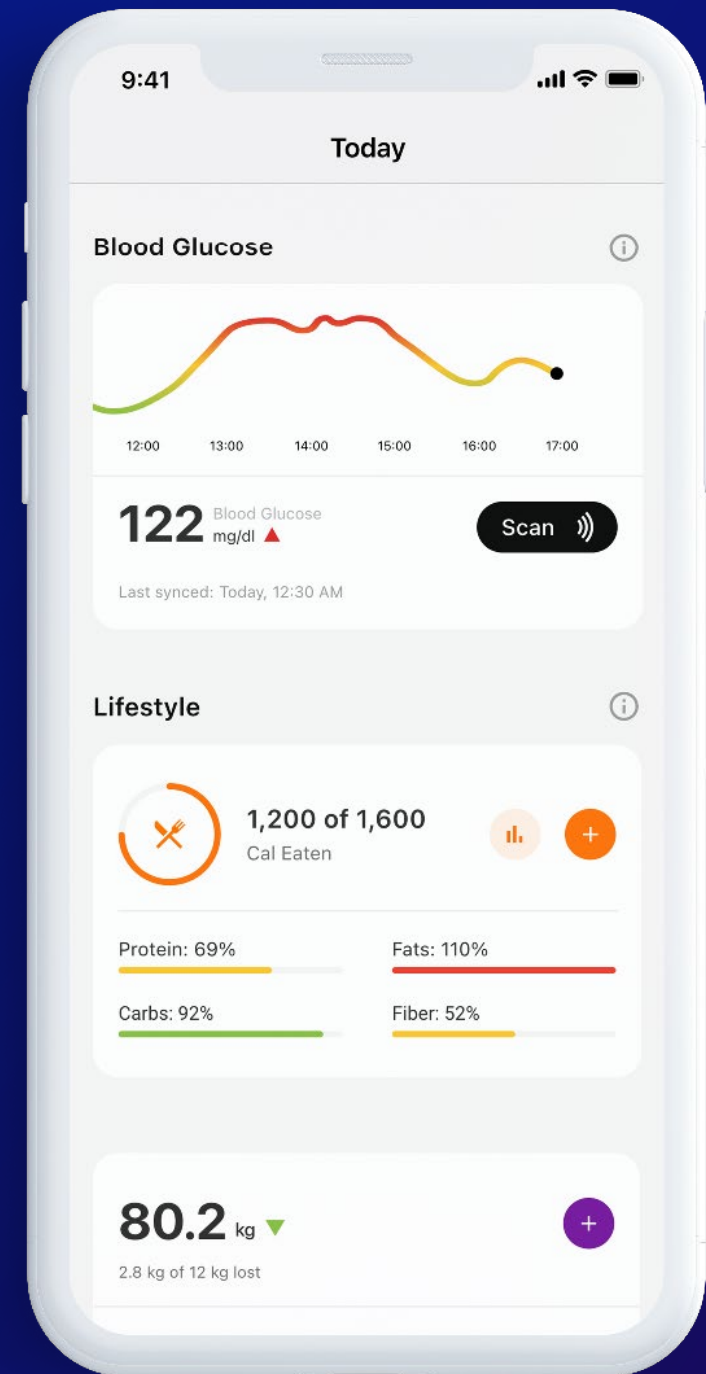
About HealthifyMe

We are a behaviour change company that improves Metabolic Health by using AI & human-experts in the loop



Journey so far..

- 32 million Registered users (80% from India)
- 27M lbs Weight Lost overall
- 15% Avg. Reduction in Metabolic Markers & Lifestyle Diseases



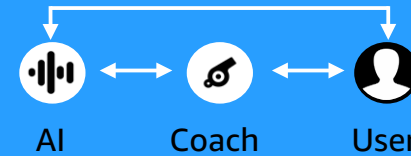
AIML Evolution at HealthifyMe

Phase 1: AI Assists Coaches



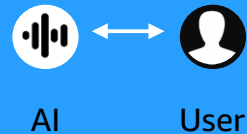
2016 - 2017: Jarvis Launched to assist coaches

Phase 2: AI Assists User



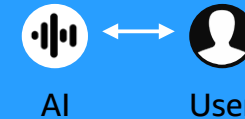
2018: Ria Launched to augment coaches

Phase 3: Independent AI



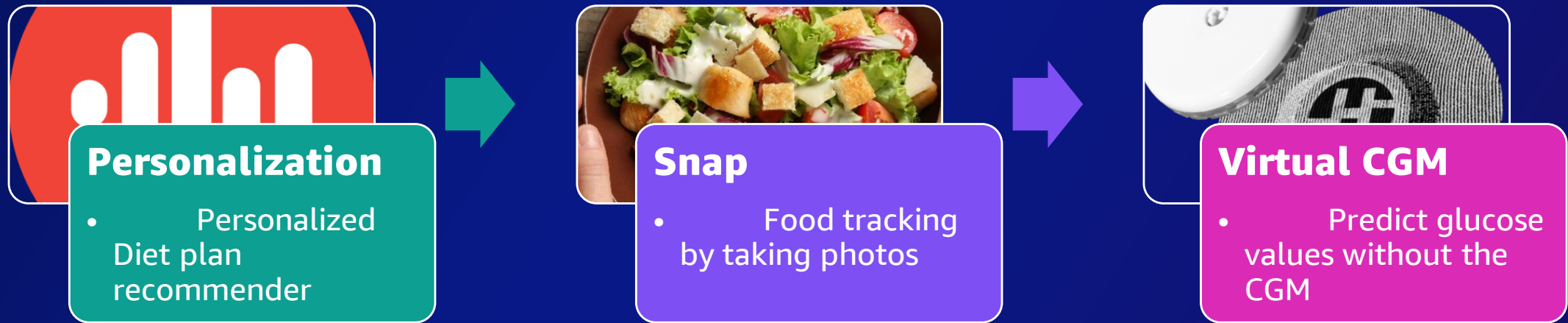
2019: Healthify Smart Launched at \$5/month

Phase 4: Generative, Multimodal, Delivered AI



Work in progress

AIML for good

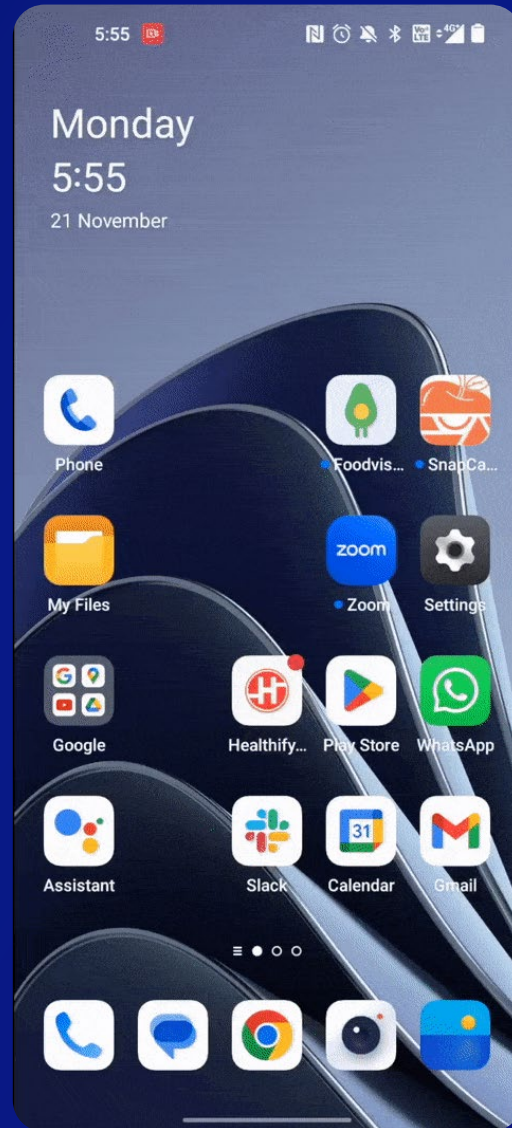


Snap

1. Ability to detect thousands of Indian Foods in a photo
2. Hosted on Amazon SageMaker
3. 600K+ images used to improve Indian Food Detection
4. Detects ~10,000 foods



A glimpse of “Snap”

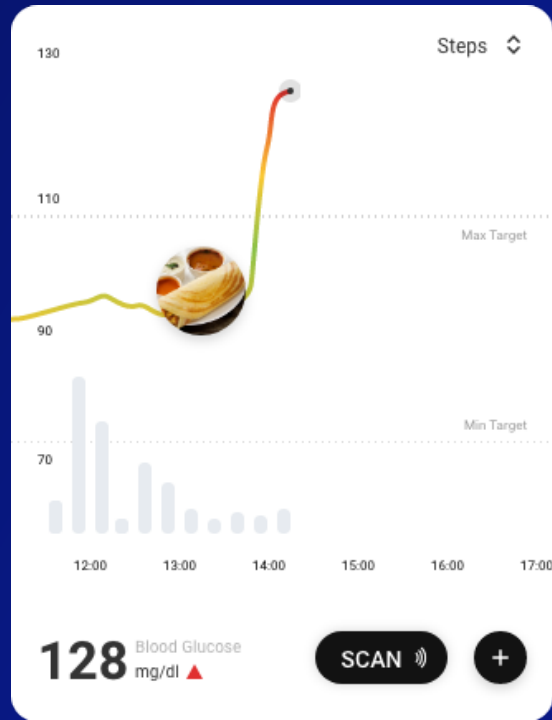


Virtual CGM

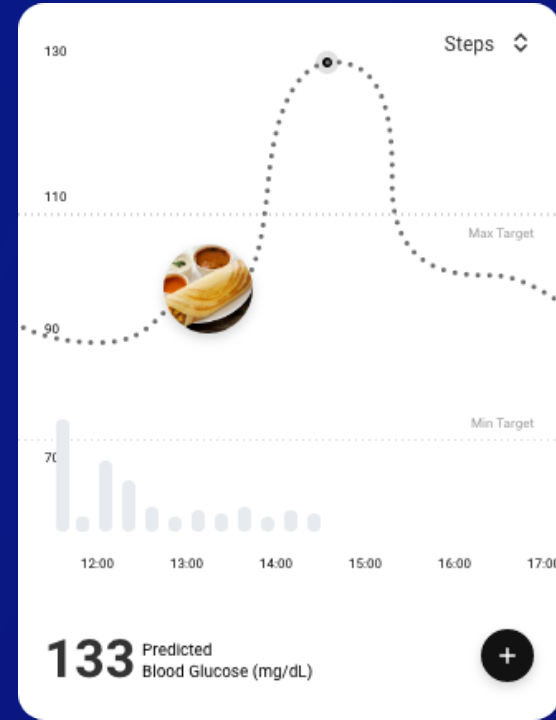
- CGM - provides continuous glucose level
- CGM lasts for 14 days. The wearable is costly
- Learn from thousands of users' glucose response to various foods and predict glucose values without the CGM. Thus creating a "virtual CGM"



Virtual CGM in action



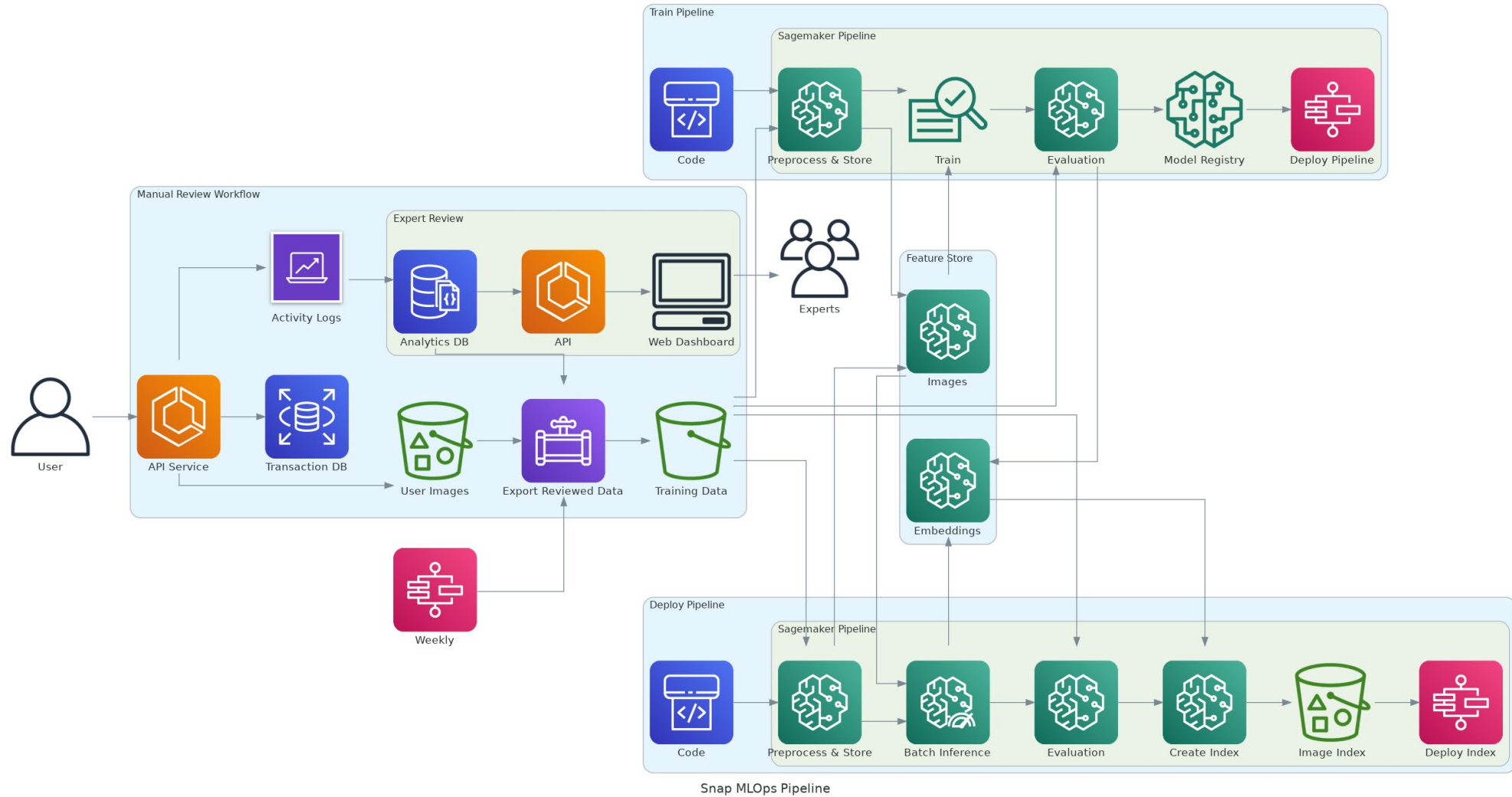
With HealthifyPro CGM
Actual Data



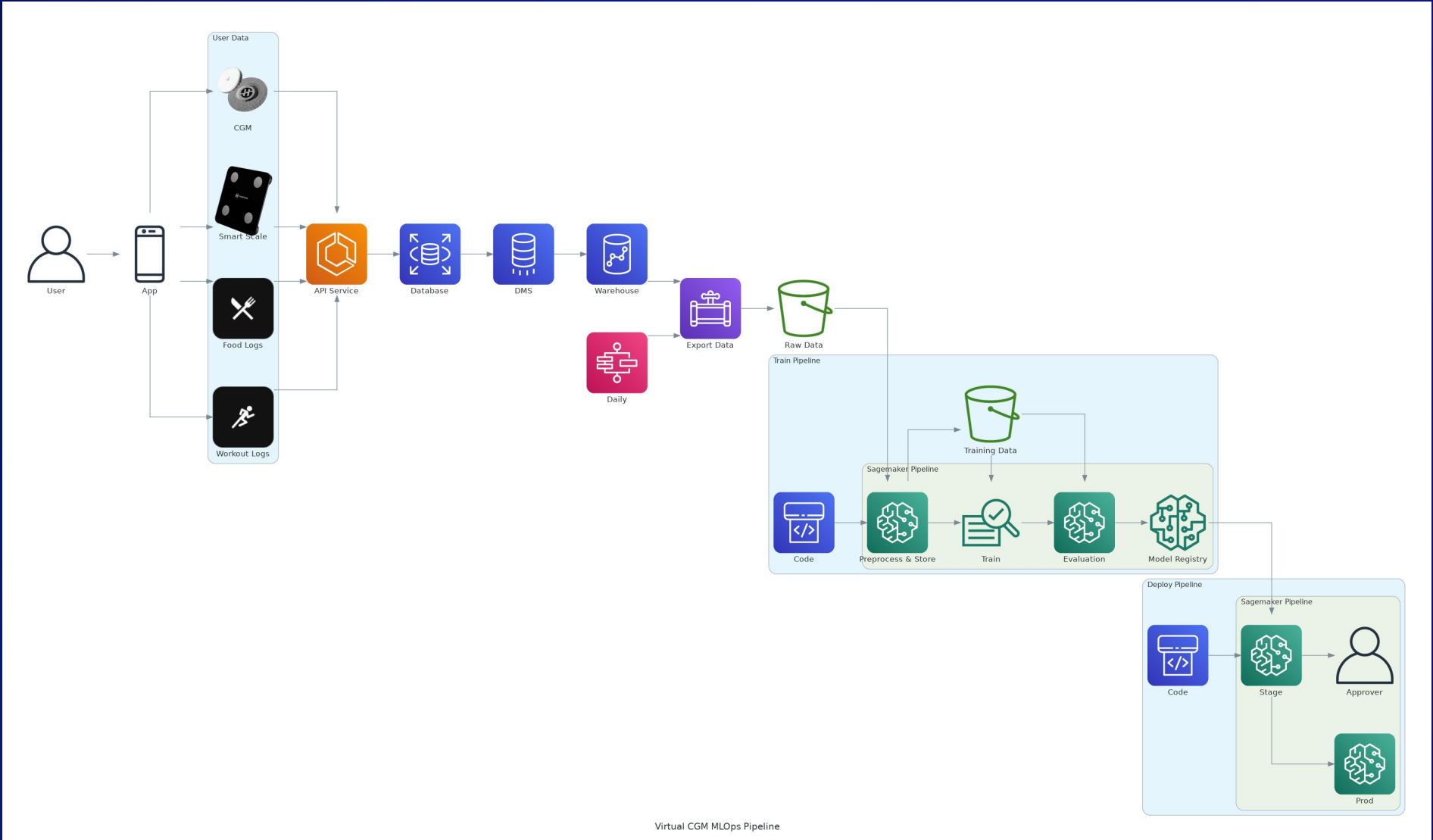
After HealthifyPro CGM
"Virtual CGM"

**Simplified illustrative information. Not for medical purpose*

How Healthify built Snap



How Healthify built Virtual CGM



Other AI/ML use cases in pipeline

“Delivered AI” - AI+Humans delivering full value to users

- a. Automated Chat Prompts/Reactions
- b. Natural language interaction with structured information (diet plans etc.)

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Thank you!

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