



**FRESHLIFE**  
Fresh goals, FreshLife

# Fresh Life - Personalized Nutrition Assistant

A Modern Approach to Achieving Your Fitness Goals

14:00

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FreshLife



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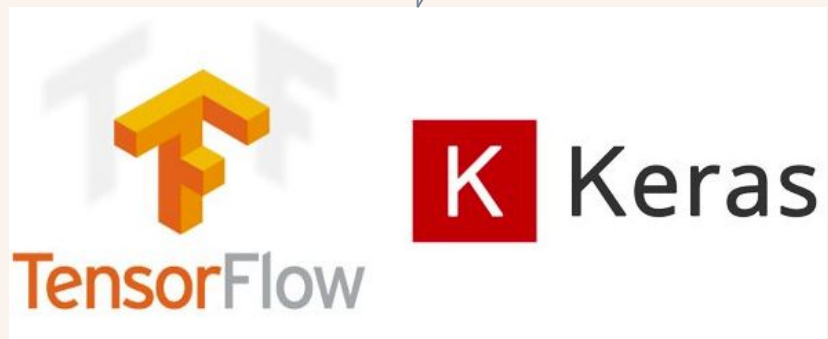
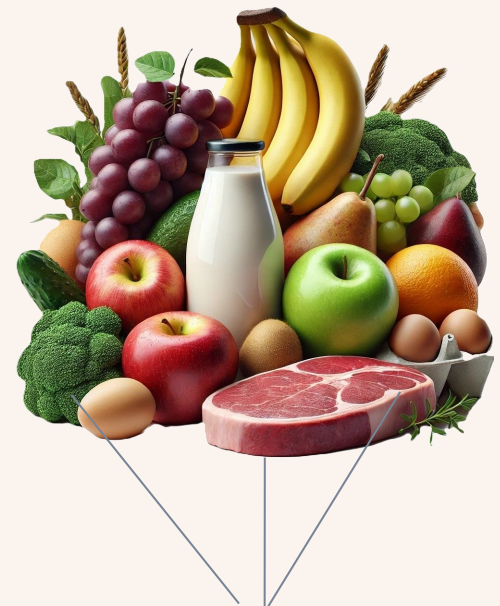
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# Machine Learning

Model Overview	Custom CNN built from scratch using TensorFlow and Keras.
Dateset	20 food labels, 500 training/testing images per label. resized to 100x100 and augmented (rotated, flipped).
Training & preformance	20 epochs 2 min per epoch on Intel Evo i7 (2023). Achieved 98% test accuracy with a prediction speed of 50 ms.
integration & functionality	Integrated with Firebase Firestore to fetch nutritional data and sync with user profiles for real-time updates.



Model



# Firestore - Database

01

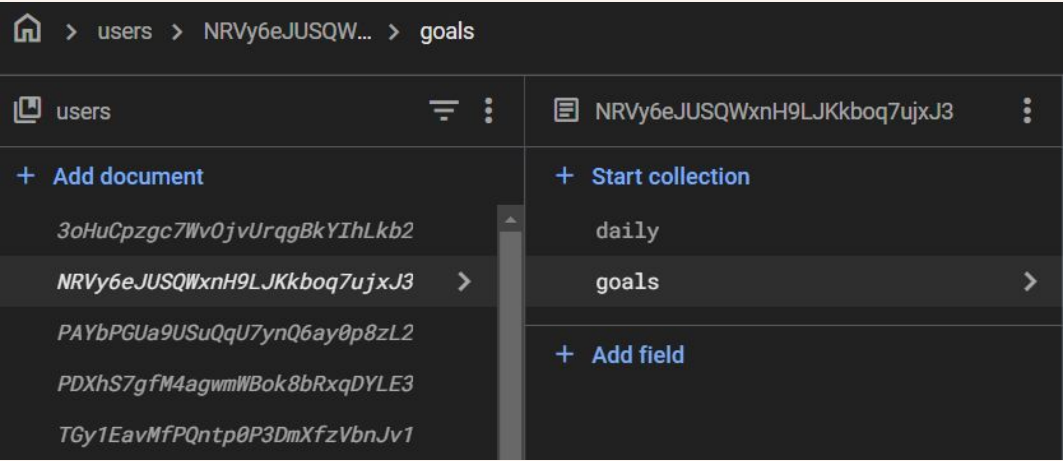
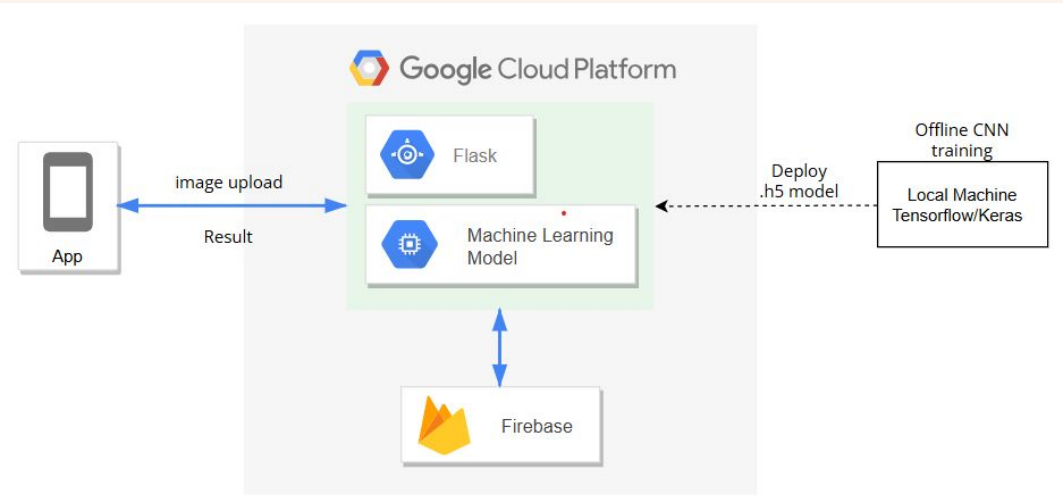
NoSQL

02

User specific data  
(Goals, Daily Consumption)

03

Nutritional dataset



# FreshLife



- Seamless Smart Appliance Integration
- AI-Powered Personalization
- Innovative User Experience
- Health and Fitness Market Expansion
- Future-Ready Scalability







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Thank you for your attention

