Input Image

Image-text Encoder *[mSigLip]*

Similarity Search

Image Embedding Index *[autofaiss]*

Entity Description Embedding Index *[autofaiss]*

Best Matches

List of Matched Entities *[Top-20]*

Mango, Alphonso Mango, Himsagar, Sindhri, Bennet Alphonso, …

Knowledge Base *[Babelnet]*

Images

Entity Description

Image-text Encoder *[mSigLip]*

Entity wikipedia article

A mango is an edible stone fruit… originated in India

Input Image

User-defined culture labels

Countries Religions Values

Vision-language model *[Qwen-VL 2.5-Instruct]*

Countries

India 5
Malaysia 4
Bangladesh 4
Finland 1
Slovenia 2

Religions

Islam 2
Hinduism 4
Jainism 3
Taoism 1

Values

Courage 1
Creativity 3
Tradition 5

Step 0: Embed Knowledge Base

Step 1: Visual Entity Linking

Step 2: Cultural Relevance Scoring