

Guided Projects Artificial Intelligence & Machine Learning

Guided Projects: Feature Engineering

Hashing: Querying in Face Datasets

Question:

Implement a basic hashing model from scratch that hashes the images. You can use any dataset of few images and can implement a-hash or any other hashing algorithm of your choice. For a-hash, given any images, first resize the image to a suitable size, followed by grayscale conversion of the image. Then mean normalise the image to obtain a binary image, whose sum can be used as a hash value. Using the hash model, encode all the images present inside your directory and then search for images similar to the query image.