

AN IMAGE BASED SEARCH ENGINE SYSTEM USING PYTHON

- An image based search engine system that shows scalable, integrated text-based image retrieval system (search engine) and evaluate its effectiveness. The search engine crawls and indexes all the pages in given domains, retrieves images found on the pages along with all the relevant keywords that can be used to identify the images. The keywords are loaded into a database along with several statistics indicating the location of the keywords in the page. Thumbnail versions of the images are downloaded to the server to save disk space. Several heuristics and metrics are used for identifying the images and their relevance.

IMAGE QUERY BASED SEARCH ENGINE USING IMAGE CONTENT RETRIEVAL

-This has a forward model for a search engine where an image can be uploaded from the local database of the user to retrieve information about it from the internet. This is similar to the traditional keyword search used by most of the search engines with the only difference being that here an image is uploaded as a query rather than textual keywords.

SYSTEMS AND METHODS FOR IMAGE RECOGNITION USING MOBILE DEVICES

Implementations relate to systems and methods for real-time image recognition and mobile visual searching. A mobile device, such as a cellular phone, acquires an image and pre-processes the acquired image to generate a visual search query based on objects detected in the acquired image. The visual search query includes the acquired image or a query image extracted therefrom and metadata associated with the detected objects. The mobile device wirelessly communicates the visual search query to a remote server, and in response to the visual search query, the remote server recognizes an object in the query image based on the associated metadata. The remote server then generates information content based on the recognized object and communicates the information content to the mobile device to be presented via the mobile device.

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