IMAGE RECOGNITION WITH IBM CLOUD VISUAL RECOGNITION

PROBLEM STATEMENT:

The project involves creating an image recognition system using IBM Cloud Visual Recognition. The goal is to develop a platform where users can upload images, and the system accurately classifies and describes the image contents. This will enable users to craft engaging visual stories with the help of AI-generated captions, enhancing their connection with the audience through captivating visuals and compelling narratives.

PROBLEM SOLVING:

1.IMAGE RECOGNITION SETUP:

- Go to the Visual Recognition page in the IBM Cloud Catalog.
- Log in to your IBM Cloud account.
- Click Create.
- Click Show to view the service credentials.
- Copy the api key value.

2.USER INTERFACE:

Permit any image file to upload, at any size, and let the requester determine the desired size and crop of the image.

Upload the resulting file to S3 and return a URL to the newly created image.

All of which is easily deployed to Elastic Beanstalk, or any other provider.

3.IMAGE CLASSIFICATION:

- Collecting your dataset
- Pre processing of images model training
- Model evaluation
- Model training

4.AI-GENERATED CAPTIONS:

- Enter your prompt. Once you've chosen your platform, you'll need to pick a template and enter your prompt. ...
- Choose from generated ideas. ...
- Select and post.

5.USER ENGAGEMENT:

- Apply various visual styles to your image.
- Experiment and edit your AI image
- Download your AI generated image