IMAGE CAPTIONING APP

App User Manual

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ACKNOWLEDGEMENTS

I would like to express my sincere gratitude to my mentors, Mr. Ken for the continous support I have received during my journey in App Development and for their motivation, guidance and advices that helped me through.

ABOUT ME

Introduction
Name: Kevin Johnson George
Age: 19
Education: Bachelor's Degree in Computer Science

Interests
AI is already everywhere. AI & Machine Learning benefits in the society and can improve user experience with the help of virtual assistants, chatbots and more in apps.

ABOUT MY INTERNSHIP JOURNEY WITH CLEVERED

During my internship experience, I have developed my knowledge and skills in different areas of Machine Learning.

Thanks to this internship, I was able to do various tasks and innovate them.

It's been an enjoyable journey overall learning various topics.

ABOUT APP

Image Captioning App

ABOUT PROJECT	MOTIVE	BENEFITS

ABOUT PROJECT
- Image Captioning
- Identifies images and generates textual description
- Display captions on image

MOTIVE
- General interest
- Help people with disabilities
- Helps users efficiently

BENEFITS
- Aids visually impaired
- Can classify images
- Face recognition

HOME PAGE

Image Captioning App

Home	Caption Embedder	Caption Generator

About

Image Captioning is the process of generating textual description of an image. It uses both Natural Language Processing and Computer Vision to generate the captions. The dataset will be in the form [image → captions]. The dataset consists of input images and their corresponding output captions.

Caption Embedder

Embed captions onto an image with customizable options available such as:

1. Selecting a caption.
2. Setting the caption's alignment.
3. Entering the value to display the number of letters for each line.
4. Entering a numeric value for X-axis.
5. Entering a numeric value for Y-axis.
6. Picking a color for the caption.
7. Download the edited image and save it to the specified path.

Caption Generator

A new benchmark collection for sentence-based image description and search, consisting of 8,000 images that are each paired with five different captions which provide clear descriptions of the salient entities and events. The images were chosen from six different Flickr groups, and tend not to contain any well-known people or locations, but were manually selected to depict a variety of scenes and situations.

— Basic knowledge of two deep learning techniques, including LSTM and CNN, is required.

More Information

CAPTION EMBEDDER

- The user must upload an image and add a caption.

- The user has the option to customize the embedded caption.

- User can then download the image once satisfied.

CAPTION GENERATOR

- The user must select a language and then upload an image.

- It will then generate captions based on the context of the image.

- User can also click on the listen button for the text to be read out.

Image Captioning App

| 🏠 Home | ✏️ Caption Embedder | ⚙️ Caption Generator |

Select Language:
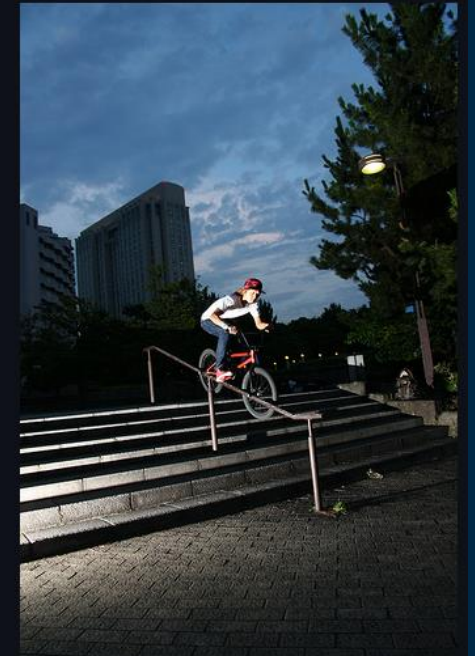
English ▼

Choose a File

☁️ Drag and drop file here
Limit 200MB per file   Browse files

📄 3729405438_6e79077ab2.jpg 112.1KB   ✕

Caption: Boy rides his bicycle on handrail

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CONTACT PERSON

Please reach out to Kevin Johnson George at kev11geo@gmail.com for any questions / concerns / suggestions on the App.

THANKS!