

Image Captioning Project - README

Overview

This project implements an image captioning system using an encoder–decoder architecture trained on the Flickr8k dataset.

Folder Structure

evostra_captioning/

- features/
- Flickr8k_text/
- models/
- final_model.keras
- tokenizer.pkl
- model-XX.h5
- app.py

Running Streamlit

pip install tensorflow pillow numpy streamlit

streamlit run app.py

Important Notes

- Use final_model.keras for deployment
- Use max_length = 38 for caption generation