
license: apache-2.0

tags:

- image-captioning
- vision-language
- sensitive-information
- blip
- LoRA

model-index:

- name: BLIP Sensitive Leakage Detector

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BLIP Sensitive Leakage Detector (LoRA Fine-tuned)

This model is a fine-tuned version of [Salesforce/blip-image-captioning-base](https://huggingface.co/Salesforce/blip-image-captioning-base), optimized to detect and describe sensitive information in images such as:

- Credit card scans
- Medical letters
- Phone bills
- Emails containing PIN codes

🧠 Training Details

- **Base Model**: `Salesforce/blip-image-captioning-base`
- **Adapter**: LoRA (Low-Rank Adaptation) via PEFT

- **Training Samples**: 72,000
- **Epochs**: 3
- **Batch Size**: 4 (optimized for 6GB GPUs)
- **Framework**: Hugging Face Transformers + PEFT

Intended Use

This model can be used to:

- Detect sensitive text in document images
- Generate captions describing leaked personal data
- Assist in building sensitive content detection pipelines