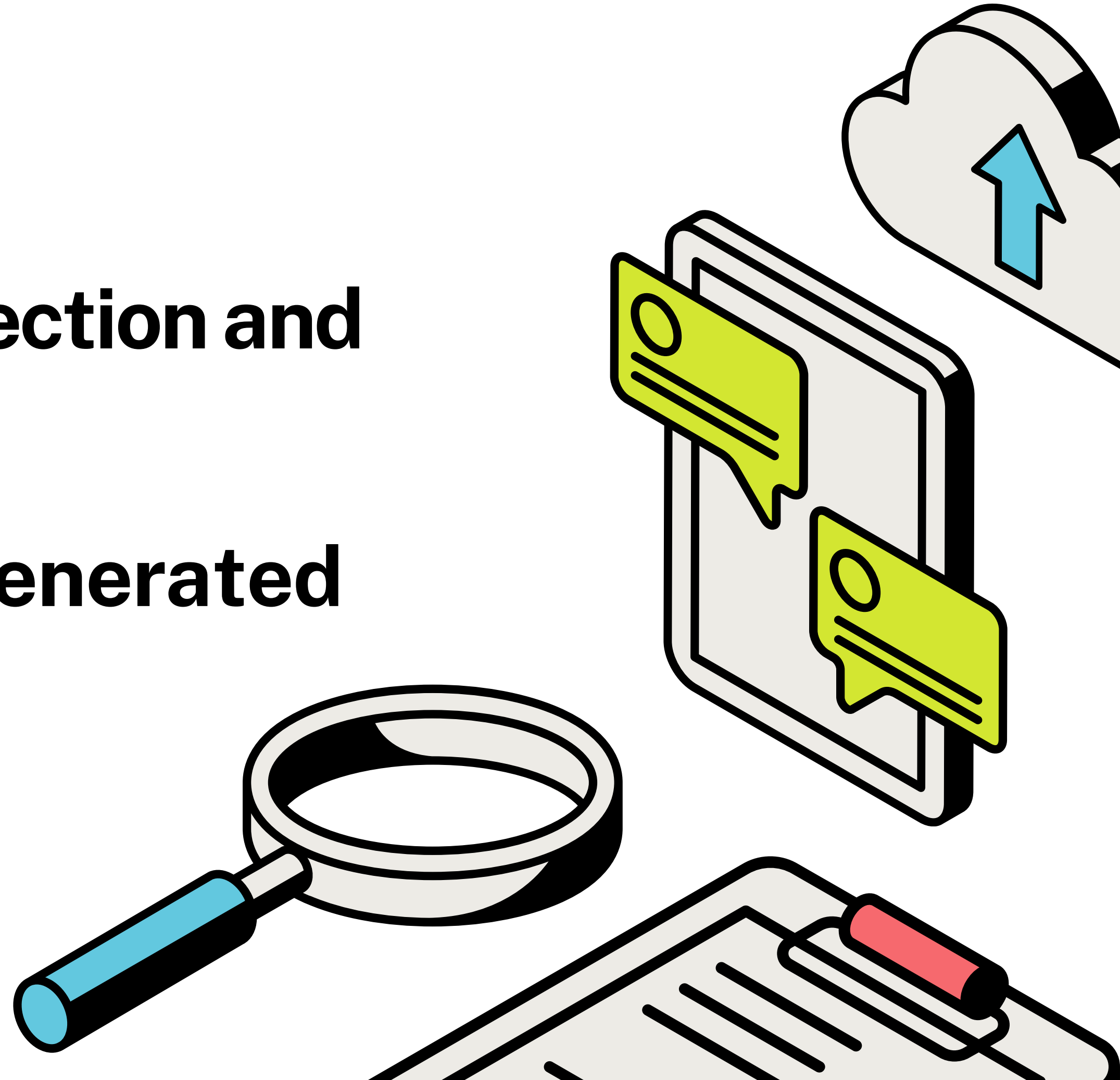


TEAM 405 FOUND

Track: AI-Media Detection and Flagging

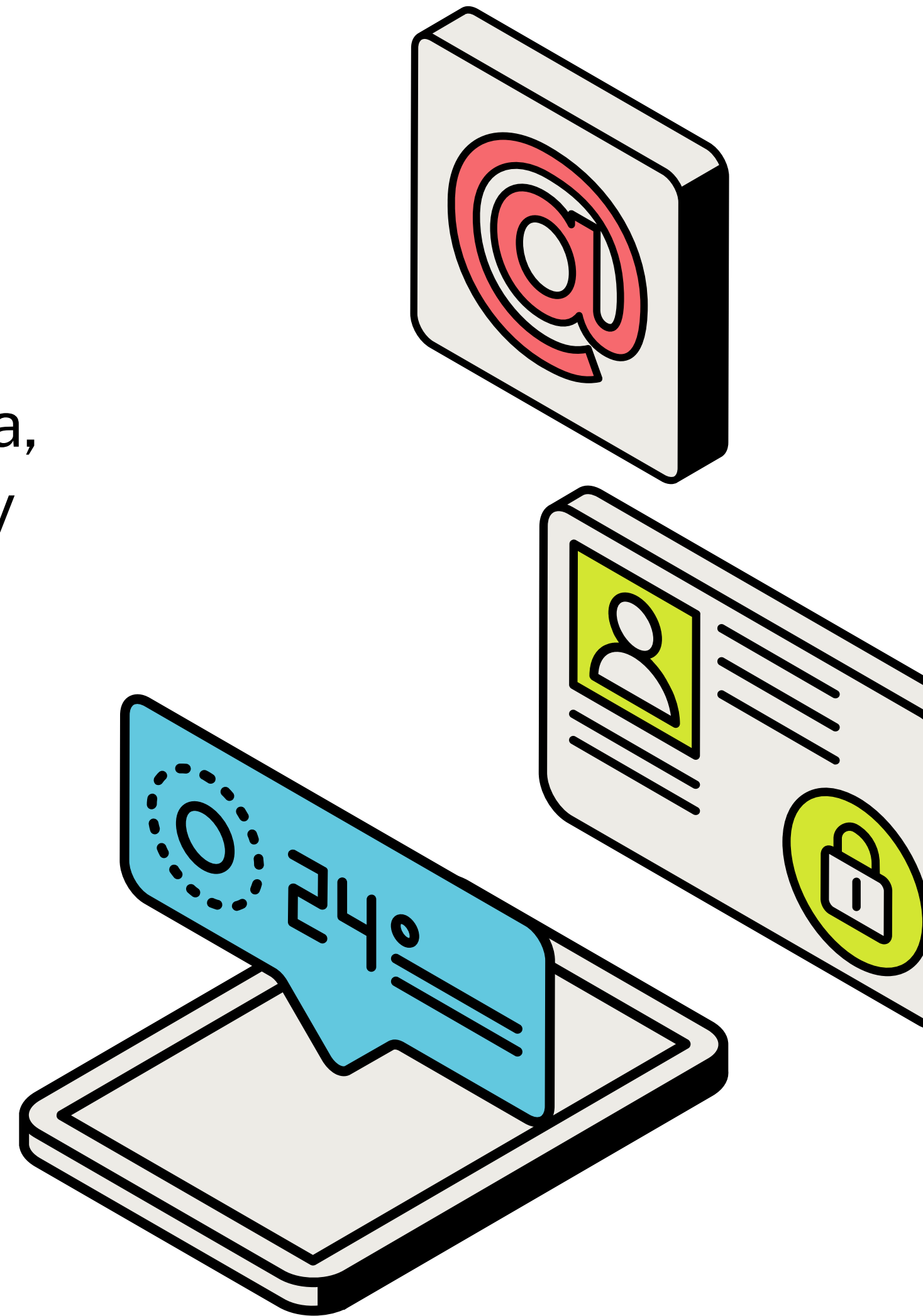
Topic: Marking AI Generated Images

By: Kshitij Koushik Kota, Pranav Hemanth,
Pranav Rajesh Narayan and Roshini Ramesh



Introduction

In the present-day world of AI-generated media, one of the major problems lies in digital forgery ,deepfakes, copyright and plagiarism, the need for a trusted, immutable source of verifying whether the image is AI generated or not becomes essential.



Our Idea

We use the concepts of machine learning to first identify the different objects in the image. With the help of the concept of Steganography, we embed the objects of the image with a hash and use the hash to identify if the image was AI generated.

Performance Metrics

Competitors

- We aim to make a more robust model to improve the watermarking system on the current AI-generated images.
- Upon achieving our targets, we wish to progress into images that incorporate filters and other modifications, and thus mark them as AI-generated or not.

Sources:

<https://about.fb.com/news/2024/02/labeling-ai-generated-images-on-facebook-instagram-and-threads/>

<https://www.technologyreview.com/2023/08/29/1078620/google-deepmind-has-launched-a-watermarking-tool-for-ai-generated-images/>