ADITI SHARMA <aditisharma@svcengg.edu.in>

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Hello,

The following submission has been created.

Track Name: Track-5: Technology for Education and Entertainment

Paper ID: 703

Paper Title: Image to speech conversion using Machine Learning

Abstract:
we present a novel approach to image-to-speech conversion using machine learning techniques. Our system integrates a Generative Image-to-text Transformer (GIT) model, which unifies various vision-language tasks such as image/video captioning and question answering. Unlike previous methods that rely on complex structures and external modules, our approach simplifies the architecture into a single image encoder and text decoder, enhancing performance through scaled-up pre-training data and model size. Notably, our GIT model achieves state-of-the-art results on multiple benchmarks, including surpassing human performance on TextCaps. Additionally, we implement text-to-speech (TTS) functionality and provide camera access, enabling direct conversion of real images to speech. This comprehensive system offers a streamlined and effective solution for image-to-speech conversion, demonstrating promising results in both research and practical applications.

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Authors:
  - aditisharma@svcengg.edu.in (Primary)
  - shreeghana02@gmail.com
  - mohithbmgowda@gmail.com
  - ksmanojmanu@gmail.com
  - padmavathys82@gmail.com

Secondary Subject Areas: Not Entered
Submission Files: Image to speech__paper1.pdf (581 Kb, Tue, 28 May 2024 04:25:15 GMT)

Submission Questions Response: Not Entered

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