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8th International Conference on Intelligent Computing : Submission (574) has been created.

1 message

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Hello,

The following submission has been created.

Track Name: Evolution of Computing Intelligence

Paper ID: 574

Paper Title: Deep Learning-Based Emotion-Driven Music Recommendation System
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Abstract:
People often find it hard to choose the perfect song that fits their present mood in the digital age. As a
result, they waste unnecessary time looking for music that relates to their feelings. Song recommendation
systems can greatly improve user experience by incorporating the latest developments in Deep Learning and
Artificial Intelligence (AI). This study aims to create an emotion-based music recommendation system that
automatically makes song recommendations by analysing a user's recorded facial expressions. When a user
uploads a face image, the system uses a Convolutional Neural Network (CNN), specifically ResNet50V2, to
detect emotions and do image pre-processing. Next, a suitable song is suggested based on the detected
emotion's mapping to a related musical genre. A real-time and dynamic music selection process based just
on the user's emotional state is provided by this method, in contrast to typical systems that rely on user
input or preference history. This study shows how artificial intelligence (AI) may improve tailored
entertainment experiences by giving consumers a simple and natural way to choose music. The technology
guarantees a quick, interesting, and emotionally responsive music-recommendation experience by doing away
with the necessity for manual searches.
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Created on: Mon, 10 Mar 2025 13:13:53 GMT

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Authors:
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Secondary Subject Areas: Not Entered

Submission Files:
     Deep Learning-Based Emotion-Driven Music Recommendation System.pdf (1 Mb, Mon, 10 Mar 2025 12:54:21
GMT)
     Deep Learning-Based Emotion-Driven Music Recommendation System.docx (1 Mb, Mon, 10 Mar 2025 13:13:01
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Submission Questions Response: Not Entered

Thanks,
CMT team.
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