Originality report

COURSE NAME
Music Genre Classification

STUDENT NAME
643_ANIRBAN HAZRA

FILE NAME
643_ANIRBAN HAZRA - Music Genre Classification

REPORT CREATED
May 3, 2023

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is a record of bonafide work carried out by them, in the partial fulfilment of the requirement for the award of Degree of Bachelor of Engineering (Computer Sci-ence & Engineering) at KIIT Deemed to be…

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is a record of bonafide work carried out by them, in the partial fulfilment of the requirement for the award of Degree of Bachelor of Engineering (Computer Science & Engineering) at KIIT Deemed to be…

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2 of 7 passages
Student passage   FLAGGED

for his expert guidance and continuous encouragement throughout to see that this project rights its target since its commencement to its completion. ....

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We are profoundly grateful to Prof. Subhasish Dash **for his expert guidance and continuous encouragement throughout to see that this project rights its target since its commencement to its completion**.

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3 of 7 passages
Student passage   QUOTED

…and classical. The dataset used in this project was **the GTZAN dataset**, which **contains 1000** audio tracks **each** of **30 seconds** duration, **and** each belonging to one **of 10 genres**

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The GTZAN dataset contains 1000 music excerpts, where **each** song is **30 seconds** long **and** categorised into 1 **of 10 genres**: Classical, Hip Hop, Country, Rock, Metal, Blues, Pop, Jazz, and Disco [4] .

An analysis of the GTZAN music genre dataset -
ResearchGate https://www.researchgate.net/publication/259579396_An_analysis_of_the_GTZAN_music_genre_dataset

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4 of 7 passages
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…simple yet effective algorithm for classification and regression tasks. **In KNN**, the predicted output for **a new data point is** determined by the class of **its k nearest** neighbours **in the training set**

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In KNN Classifier, **a new data point is** classified based on **its** proximity to the **K nearest** neighbors **in the training set**. The proximity is ...

KNN Algorithm: Guide to Using K-Nearest Neighbor for Regression https://www.analyticsvidhya.com/blog/2018/08/k-nearest-neighbor-introduction-regression-python/

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5 of 7 passages
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Random Forest is a machine learning algorithm that **combines multiple decision trees to** improve prediction accuracy and reduce overfitting. It randomly selects…

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Random forest is a commonly-used **machine learning algorithm** trademarked by Leo Breiman and Adele Cutler, which **combines** the output of **multiple decision trees to** reach a single result.

What is Random Forest? | IBM https://www.ibm.com/topics/random-forest

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6 of 7 passages

Student passage   FLAGGED

…will take audio data as input and classify it **into various genres** such as **hip hop, rock, jazz, folk, pop**, blues, reggae, country, classical, metal

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Classifying music **into various genres (hip hop, rock, jazz, folk, pop**, etc) entails extracting valuable features from the audio data, preprocessing it, and training a machine learning classifier…

Solved Music Genre Classification Project using Deep Learning https://www.projectpro.io/article/music-genre-classification-project-python-code/566

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7 of 7 passages

Student passage   FLAGGED

…such as Mel-Frequency Cepstral Coefficients (MFCCs) or Spectrograms. Then, **split the dataset into training and testing sets**.

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The simplest way to **split the** modelling **dataset into training and testing sets** is to assign 2/3 data points to the former and the remaining one-third to the ...

How to split a Dataset into Train and Test Sets using Python https://towardsdatascience.com/how-to-split-a-dataset-into-training-and-testing-sets-b146b1649830