Infant Cry Detection

Tutorial

love, joy, and laughter!

This tutorial provides a straightforward guide to using the Infant Cry Detection system. Following these steps will help you get accurate and helpful results.

Preparation

Before you begin, it's important to set up your recording environment correctly.

Find a Quiet Environment: To ensure the cry is captured clearly, record in a room with minimal background noise. Turn off any TVs, radios, or other sources of sound.

- Ready Your Device: Make sure the device you're using to record (e.g., smartphone, microphone) is functioning properly and is positioned to capture the audio clearly.

Upload

Once you have your recording, the next step is to upload it to the system.

Navigate to the Cry Detection Page: Open the Infant Cry Detection system in your web browser and go to the upload section.

- Upload Your Audio File: Use the provided form to select and upload the audio file of the infant's cry.

Analysis

After uploading, our system will analyze the audio file.

SVM Model Analysis: The system uses a Support Vector Machine (SVM) model, a powerful machine learning algorithm, to process the sound data.

- Categorization: The model categorizes the cry based on its acoustic features to determine the reason behind the cry.

Results

The final step is to view the analysis and the recommendations.

View the Outcome: The system will display the category of the cry (e.g., hunger, pain, discomfort).

Follow Recommendations: Based on the result, the system will provide you with suggestions on how to soothe the infant.