

Draw-and-play-song

Welcome to Draw-and-play-song, a fun Streamlit application that combines the concepts of deep learning and music to create an interactive experience. This project focuses on image classification, specifically digit classification from 0 to 9. Here's how it works:

Project Overview

Draw Digit: Use the drawing section to draw a digit from 0 to 9.

Image Processing: The backend algorithm will crop the drawn image as per the requirements.

Digit Classification: The pre-trained digit classification CNN model will predict the digit based on the drawn image.

Music Interaction: Once the digit is identified, a numbered song corresponding to the drawn digit will play automatically.

Stop Song: By clearing the draw box, the music will stop.

Getting Started

1. Clone the repository:

```
bash git clone https://github.com/vijaytakbhat2002/Draw-and-play-song.git
```

1. Install dependencies:

```
bash pip install -r requirements.txt
```

1. Run the application:

```
bash streamlit run app.py
```

1. Have fun drawing and playing songs with deep learning!

Contributing

We welcome contributions! Please read our [Contributing Guidelines](#) to get started.

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