

# 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/vijaytakbhate2002/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.

## License

---

This project is licensed under the [MIT License](#).