

Facial Expression Detector

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ABSTRACT

This project uses Landing AI to develop a system that classifies facial expressions into Happy, Sad, and Angry. A labeled dataset was used to train the model, achieving accurate recognition for real-time emotion detection.

INTRODUCTION

Facial expression recognition helps machines understand human emotions. Using Landing AI, this project builds a model to detect Happy, Sad, and Angry faces for use in fields like mental health, customer service, and interactive systems.

INPUT/OUTPUT

Test Image	Actual	Predicted	Result
	Happy	Happy	✓
	Sad	Sad	✓
	Angry	Angry	✓
	Happy	Sad	✗

STEPS TO USE THE APP

Step1: Select the Sample photo



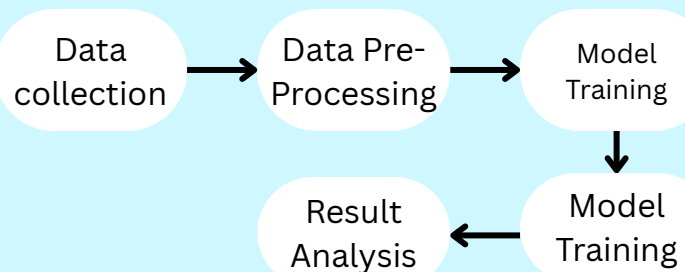
Step2: Upload the Sample photo

Step3: Click on any of the photo

Step4: Scan the QR Code



METHODOLOGY



RESULT

The trained model showed high accuracy and consistently recognized Happy, Sad, and Angry expressions, even with varied lighting and backgrounds.

CONCLUSION

This project successfully demonstrated the use of Landing AI to develop a facial expression recognition system for three primary emotions: Happy, Sad, and Angry.

REFERENCES

- <https://app.landing.ai/login>
- <https://www.kaggle.com/datasets>