

# CAT scan

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# Our Team



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*Major in Computer Science*





# 01

# Introduction

Why we created this app...

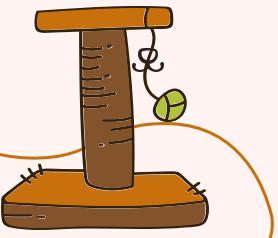




# Purpose

*Why we made this:*

- **CAT Scan** helps users instantly identify cat breeds through photo uploads.
- Provides info on breed traits, health risks, and care tips.
- Promotes early awareness of health issues.
- Encourages more informed and responsible pet ownership.
- Turns every cat photo into a chance to learn and connect.



# 02

# App UI

How it looks...





# Mobile App Setup



Light mode



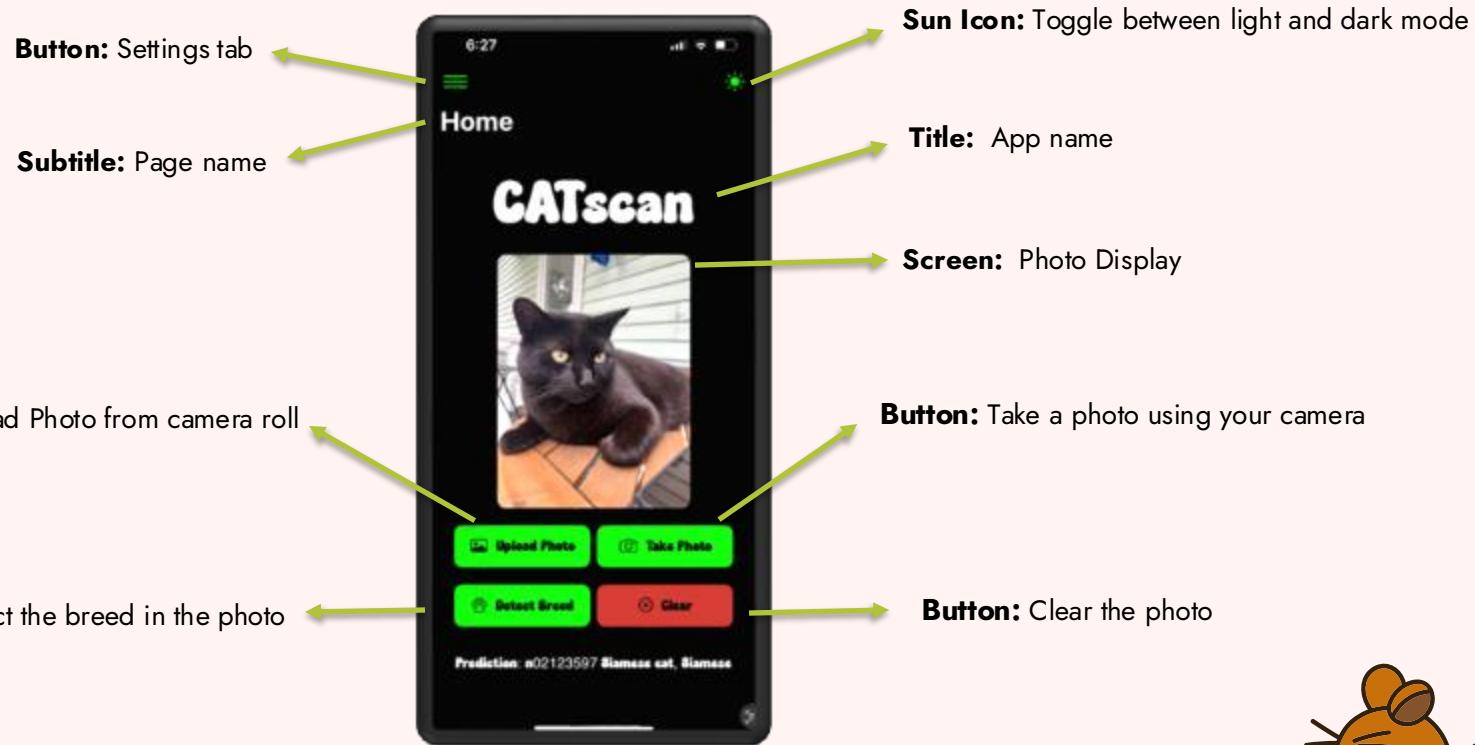
Dark mode





Dark mode

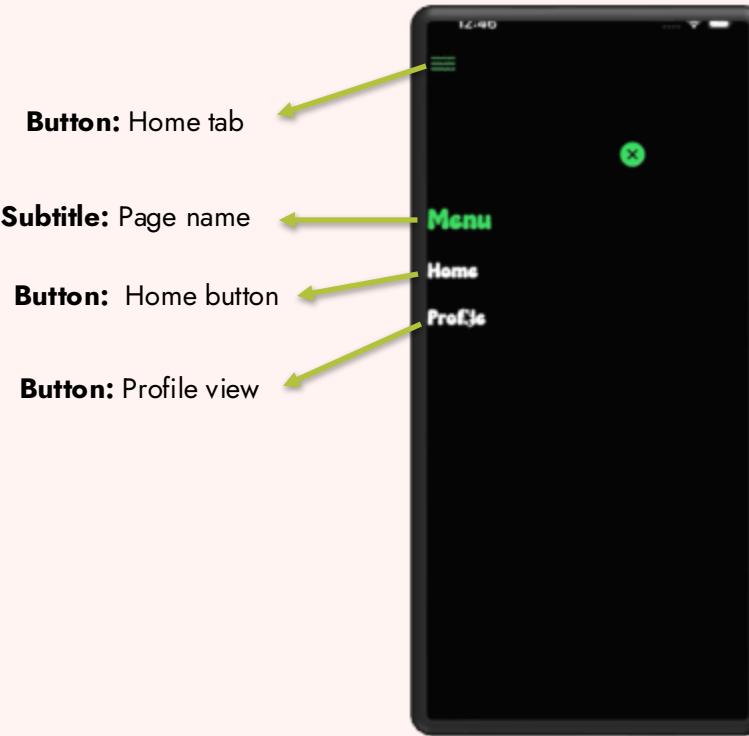
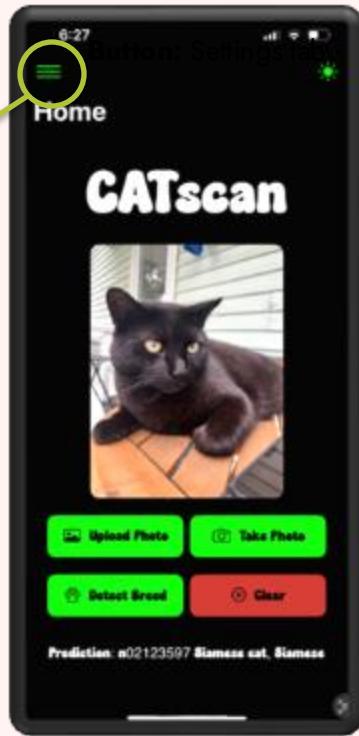
# Mobile App Setup





Dark mode

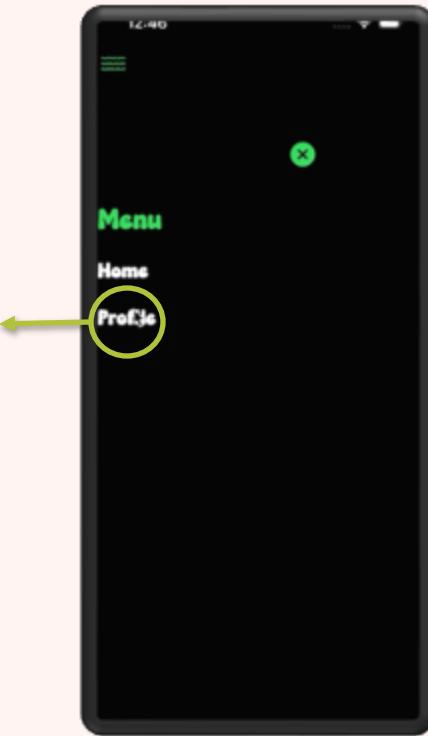
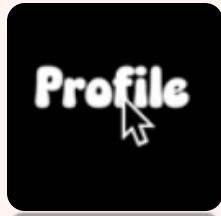
# Navigation Bar





# Mobile App Setup

**Button:** Settings tab

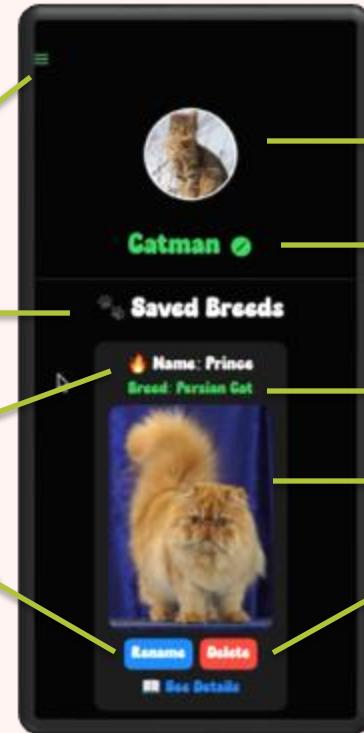


**Button:** Home tab

**Subtitle:** Page name

**Text:** Cat name

**Button:** renaming button



# 03

# Dataset

Cat Distribution System



# Cat Breeds



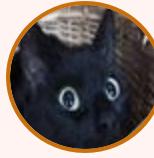
Abyssinian



Bengal



Birman



Bombay



British Shorthair



Egyptian Mau



Maine Coon



Persian



Ragdoll



Russian Blue

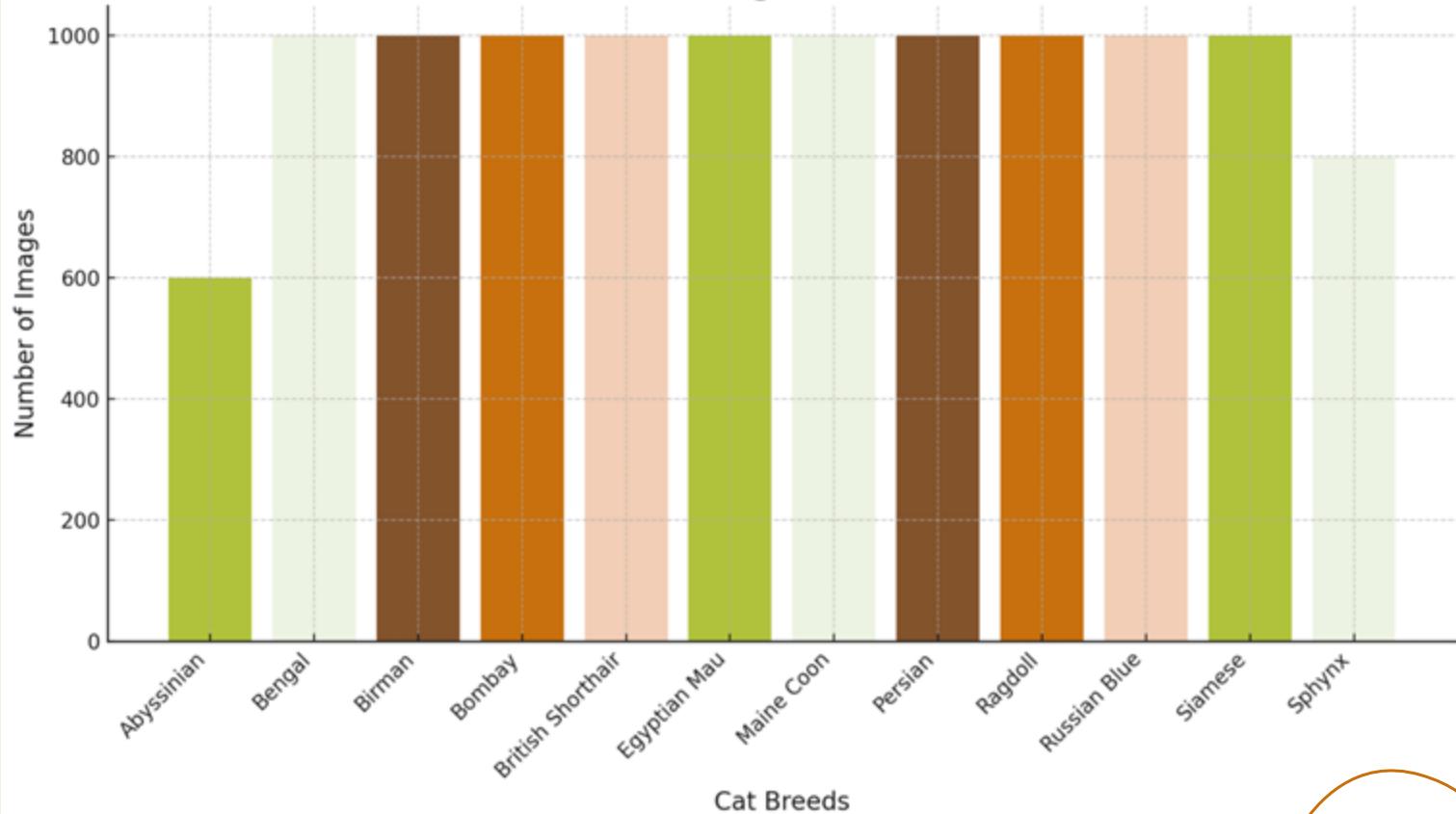


Siamese



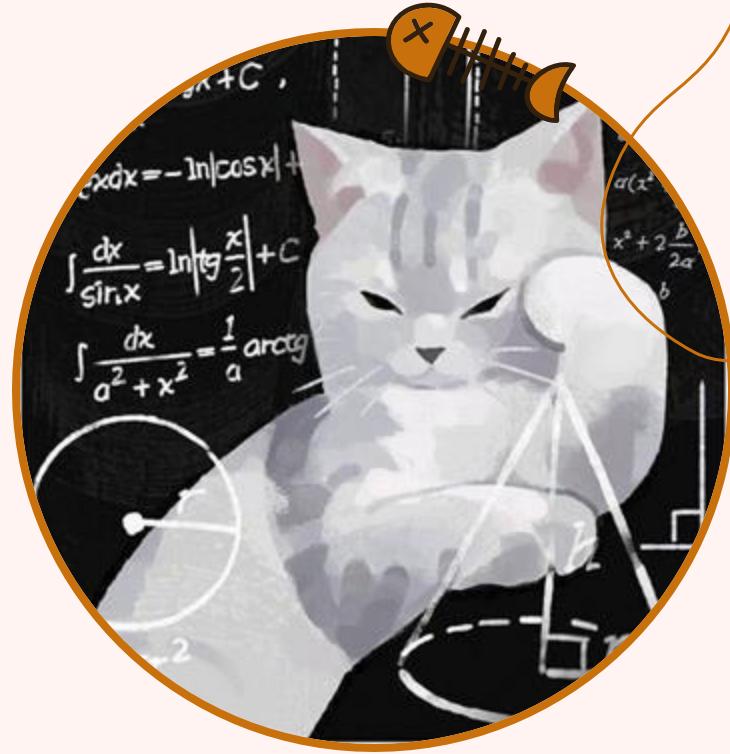
Sphynx

## Distribution of Images Across Cat Breeds



# 03

## Evaluation Metrics



# Three metrics we chose:



## Accuracy

measures the proportion of correctly identified cat breeds out of all predictions made by the model.



## Precision

measures the proportion of correct predictions for a specific breed out of all predictions made for that breed.



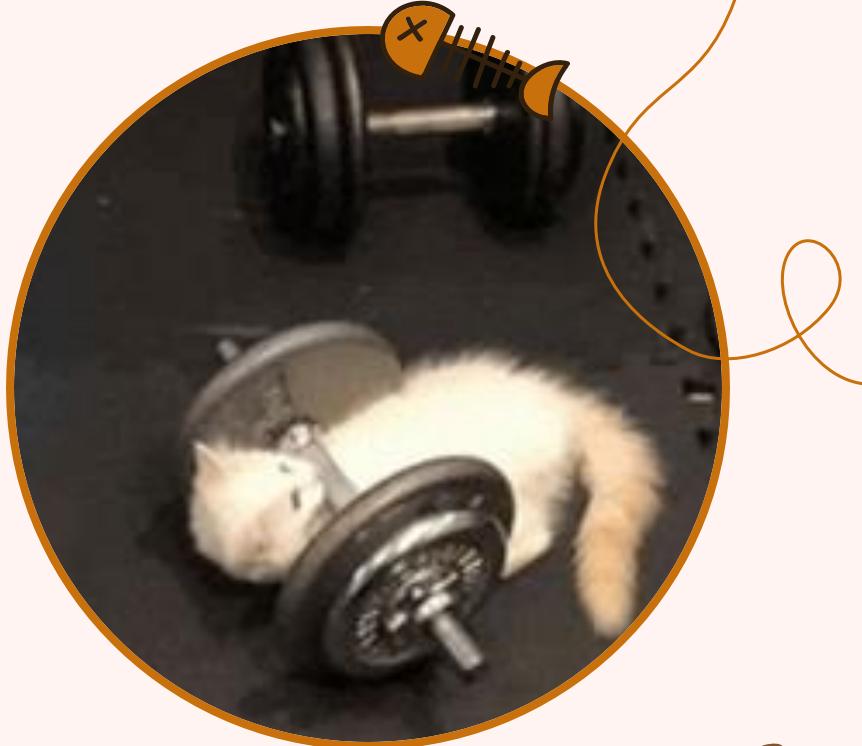
## Recall

measures the proportion of actual instances of a breed correctly identified by the AI model.

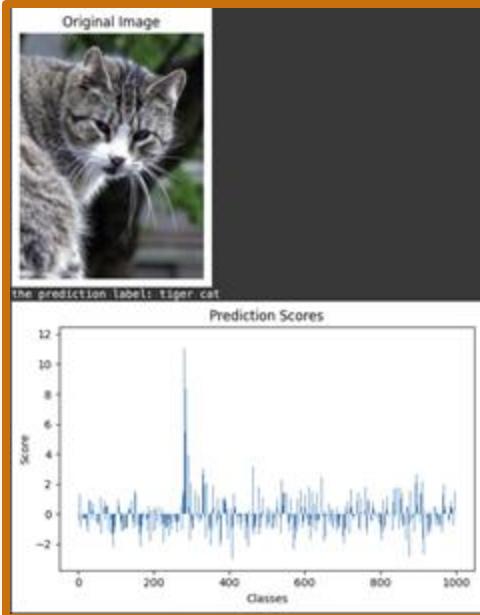


# 04

## Training Method



# Custom Method



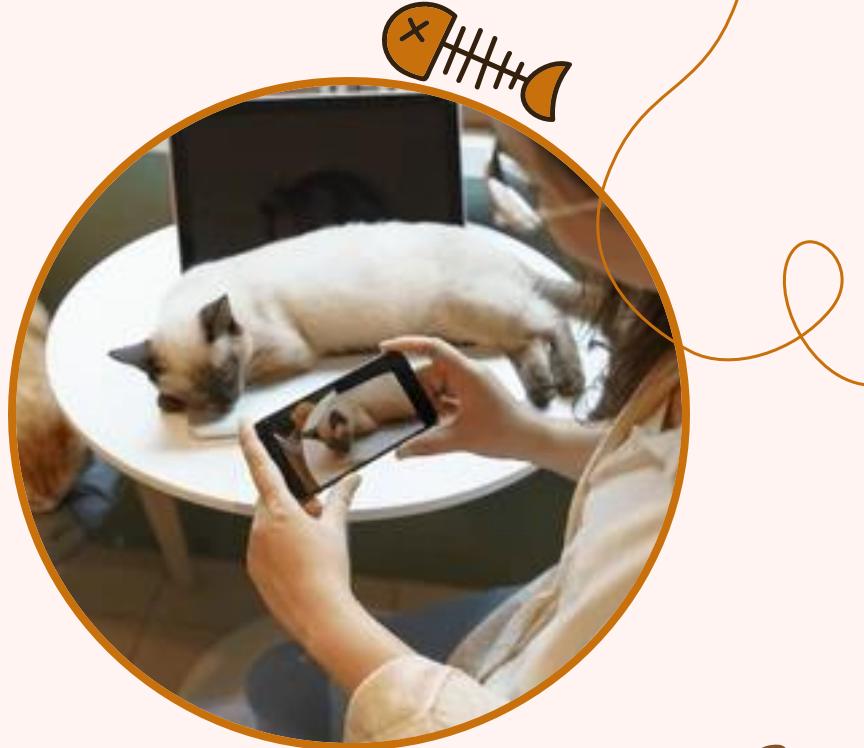
*Results*

The process of using a model to estimate or predict outcomes:

- A. Load
- B. Prep
- C. Classify
- D. Print

# 05

## App Output





Dark mode

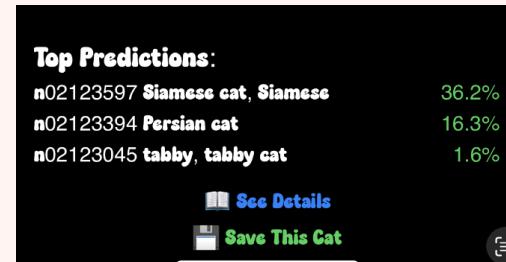
# Scanning...





Dark mode

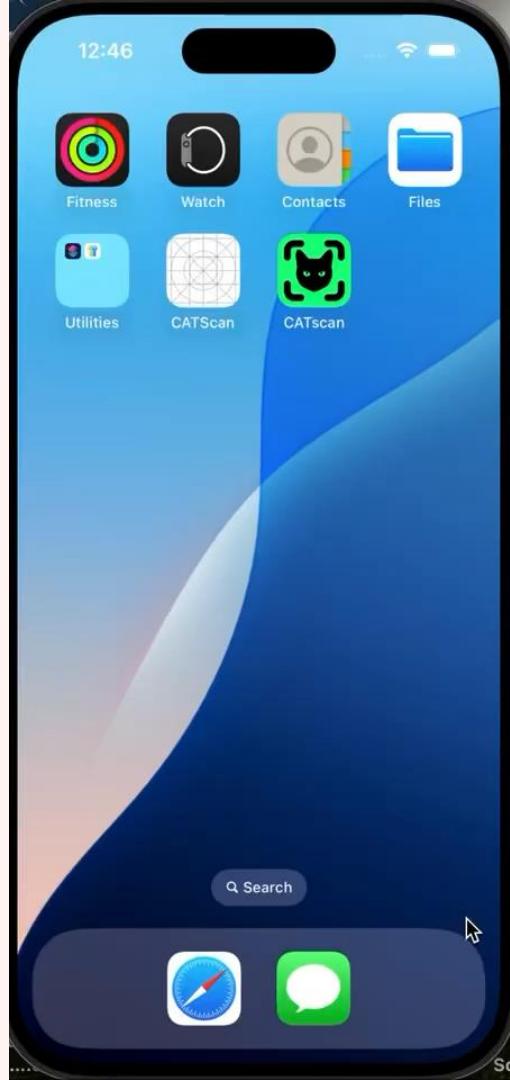
# Prediction Update:





Dark mode

# Video Demo:

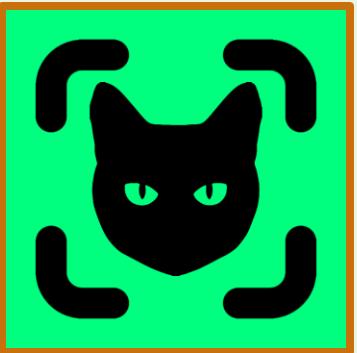




Dark mode

# Pebble's results...





# THANKS!

Do you have any questions?

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