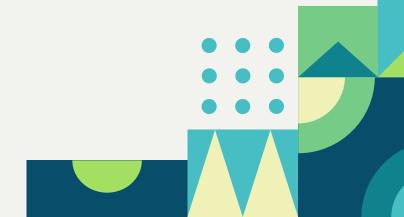
HOT DOG OR NOT HOT DOG? DSI 508 HACKATHON

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BACKGROUND

Objective

To develop a neural network model that can **classify images** as either "hotdogs" or "not hotdogs" with high accuracy.

Purpose

By distinguishing between hotdogs and other objects, our model can **aid in various applications** such as food recommenders, dietary apps, and image-based search engines.

ANALYSIS AND METHODOLOGY

STEP 1

Data Ingestion

STEP 2

Data
Preprocessing
(Resize, Rescale)

STEP 3

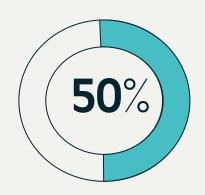
CNN Building (layers, nodes, regularization..)

STEP 4

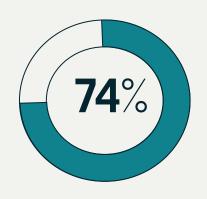
CNN Testing



RESULTS

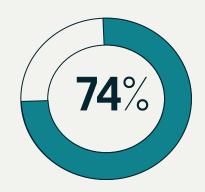


BASELINE



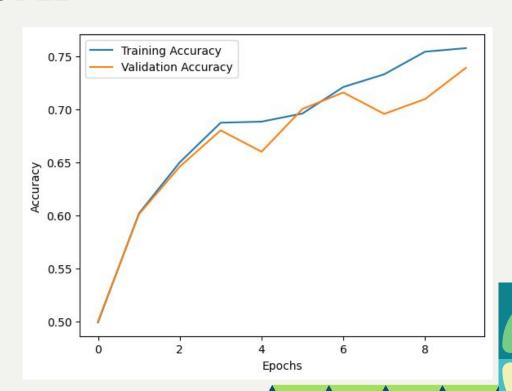
CNN MODEL

RESULTS – OUR MODEL

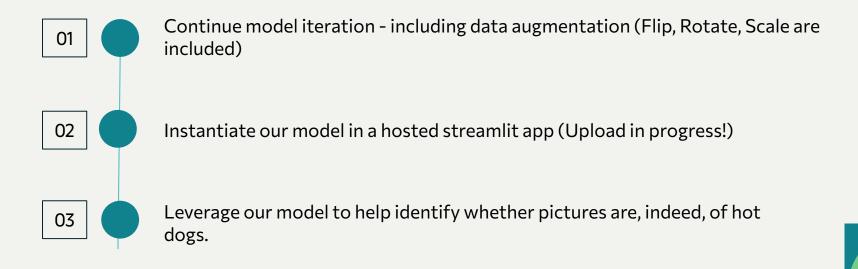


CNN MODEL

- 1 input layer,
- 3 Conv2D hidden layers
 - o RELU activation
 - MaxPooling
 - o 10% 50% Dropout
- 1 Flattened Dense output layer
 - o Sigmoid activation
- 10 Epochs used for fitting



RECOMMENDATIONS



QUESTIONS?

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