MALARIA DIAGNOSIS USING DEEP LEARNING

Project presentation

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01

GOAL OF PROJECT

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THE MAIN CONTRIBUTION

- Provide malaria detection from cells images using deep learning.

- Provide Helpful tool to those who work in the medical field.

02

THE DATASET

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ABOUT THE DATASET

TYPE

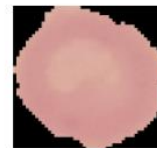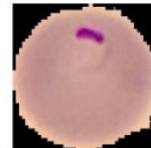Cell images

SIZE

27,558 cell images labelled to parasitized and uninfected

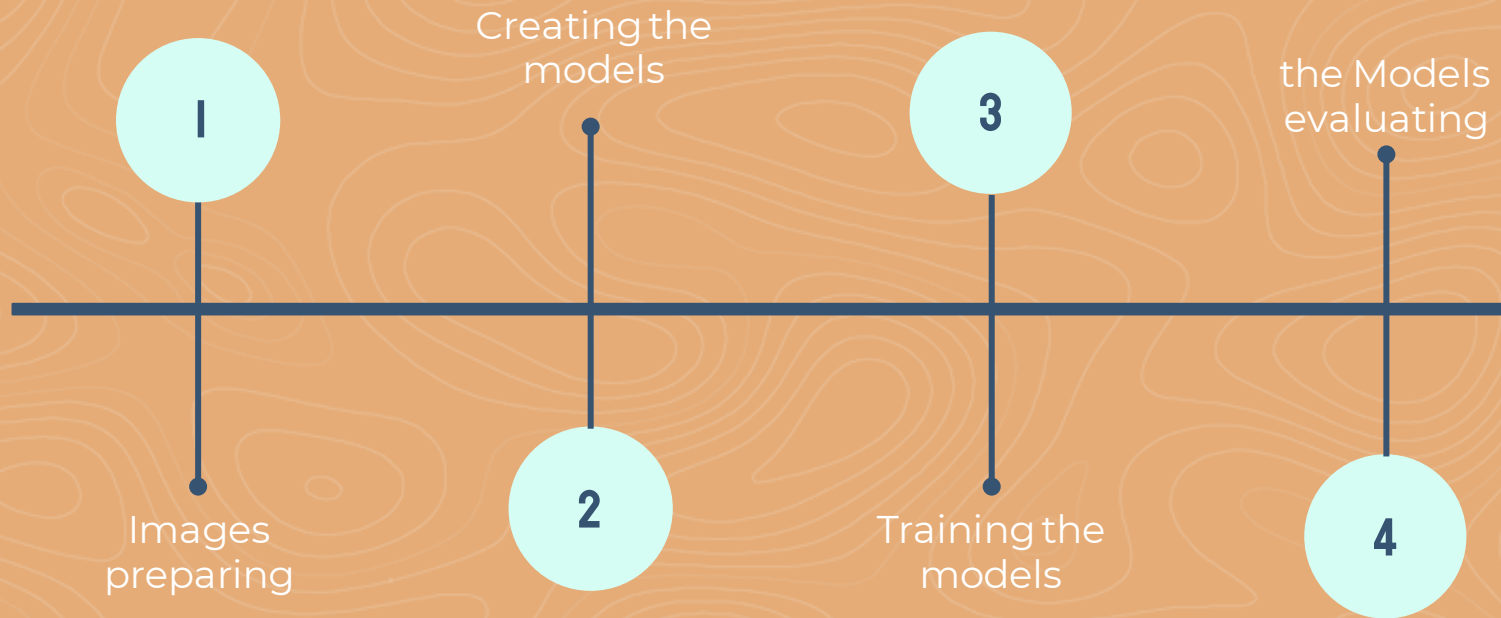## SAMPLE

Uninfected   Parasitized

03

THE DESIGN AND ALGORITHMS

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THE DESIGN

1

Creating the models

3

the Models evaluating

Images preparing

2

Training the models

4

04

TOOLS

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TOOLS

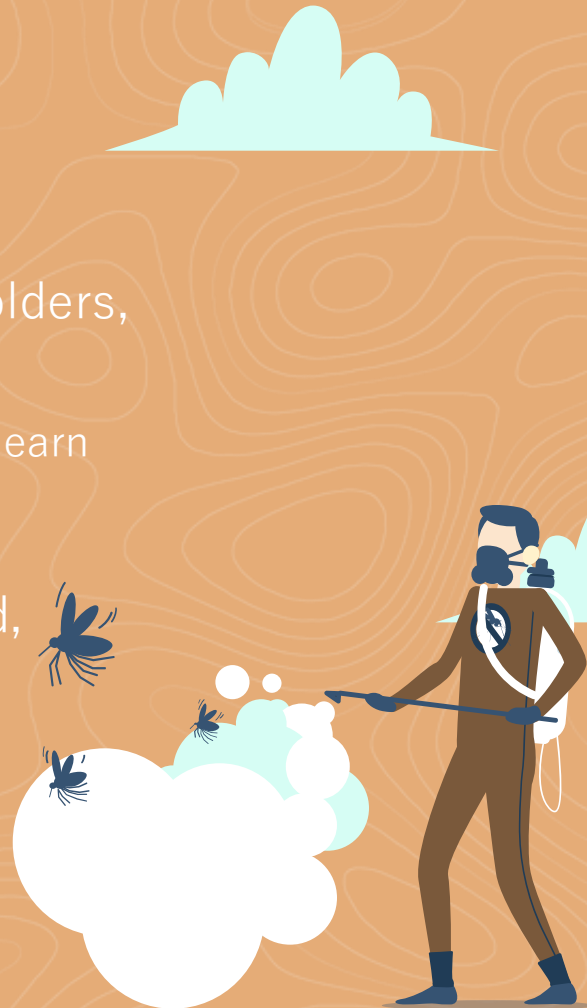Preprocessing → Pandas , OS, split-folders,

The model → TensorFlow , keras, sklearn

Visualization → Matplotlib, mlxtend, seaborn

05

THE RESULT

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THE RESULT

Models	Training method	Accuracy
MobileNetV2	Transfer learning	95%
CNN	Training from scratch	96%

THANKS!

DO YOU HAVE ANY QUESTIONS?

For more information

SCAN ME