IMAGE PROCESSING

CONTENT

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CONCEPT

Digit reconition

- Primary goal : digit recognition system using image processing techniques.
- a user-friendly interface
- users to input handwritten or printed digits
- powered by artificial intelligence
- accurately identify and interpret these digits.
-

WHY DID WE CHOOSE TO WORK ON THIS PROJECT ?

ABOUT US

Team collaboration

FOUR MEMBERS, EACH CONTRIBUTING THEIR SKILLS TO DIFFERENT ASPECTS OF THE PROJECT

Brainstorming :

- Choose the best idea : useful, using our skills..
- Creation and training of the AI model
- Opening files and obtaining the dataset
- Create an intuitive interface using Pygame

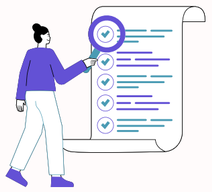
PROJECT TIMELINE

PROJECT TIMELINE

NOVEMBER

Finding an idea.

Split the work.



Coding.

Code optimization.

Working on Report and Presentation

DECEMBER

TECHNICAL CONTENT

For this project, we decided to use Python to develop this project.

Python

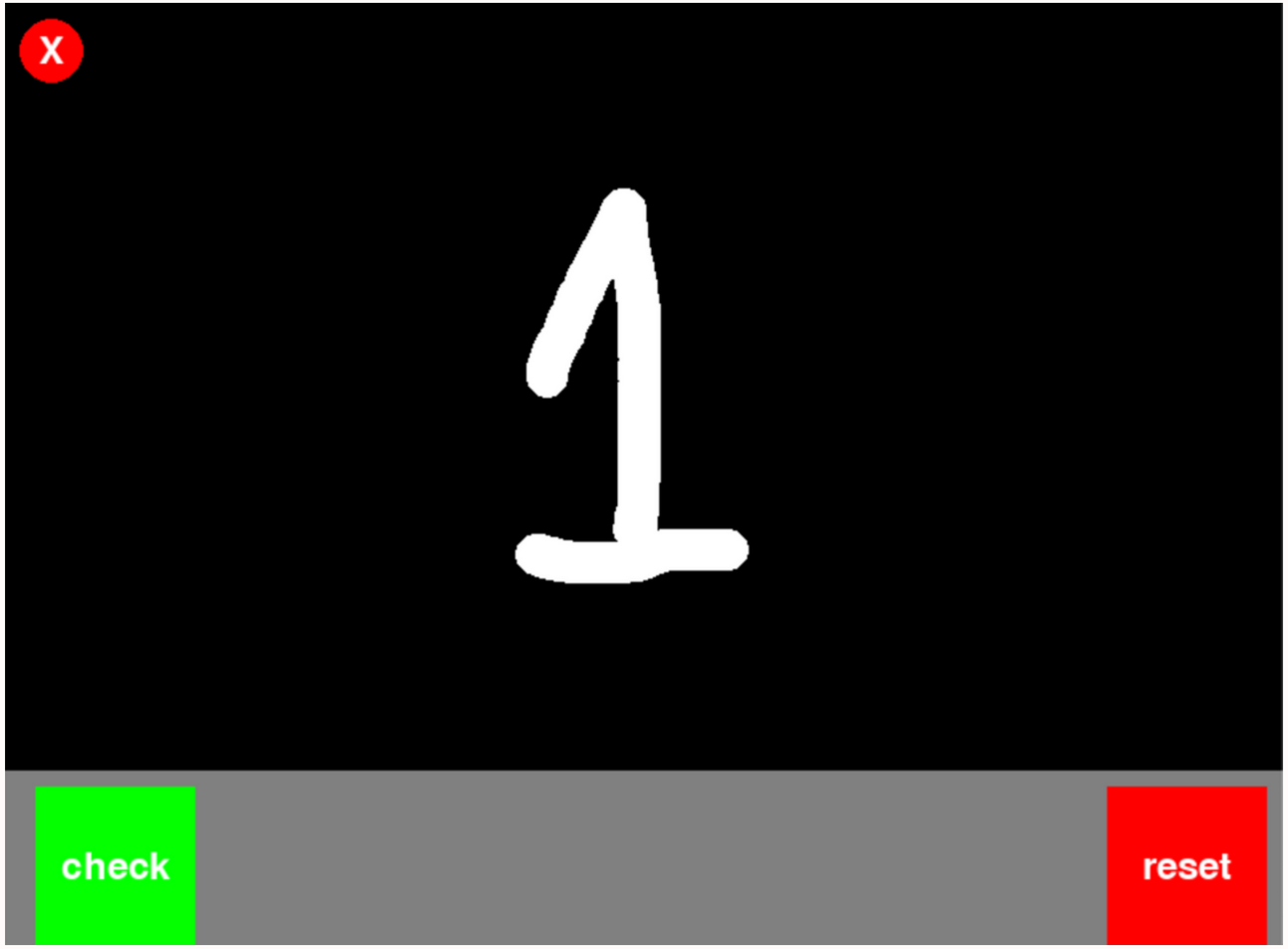
we used Pytorch to develop our AI.

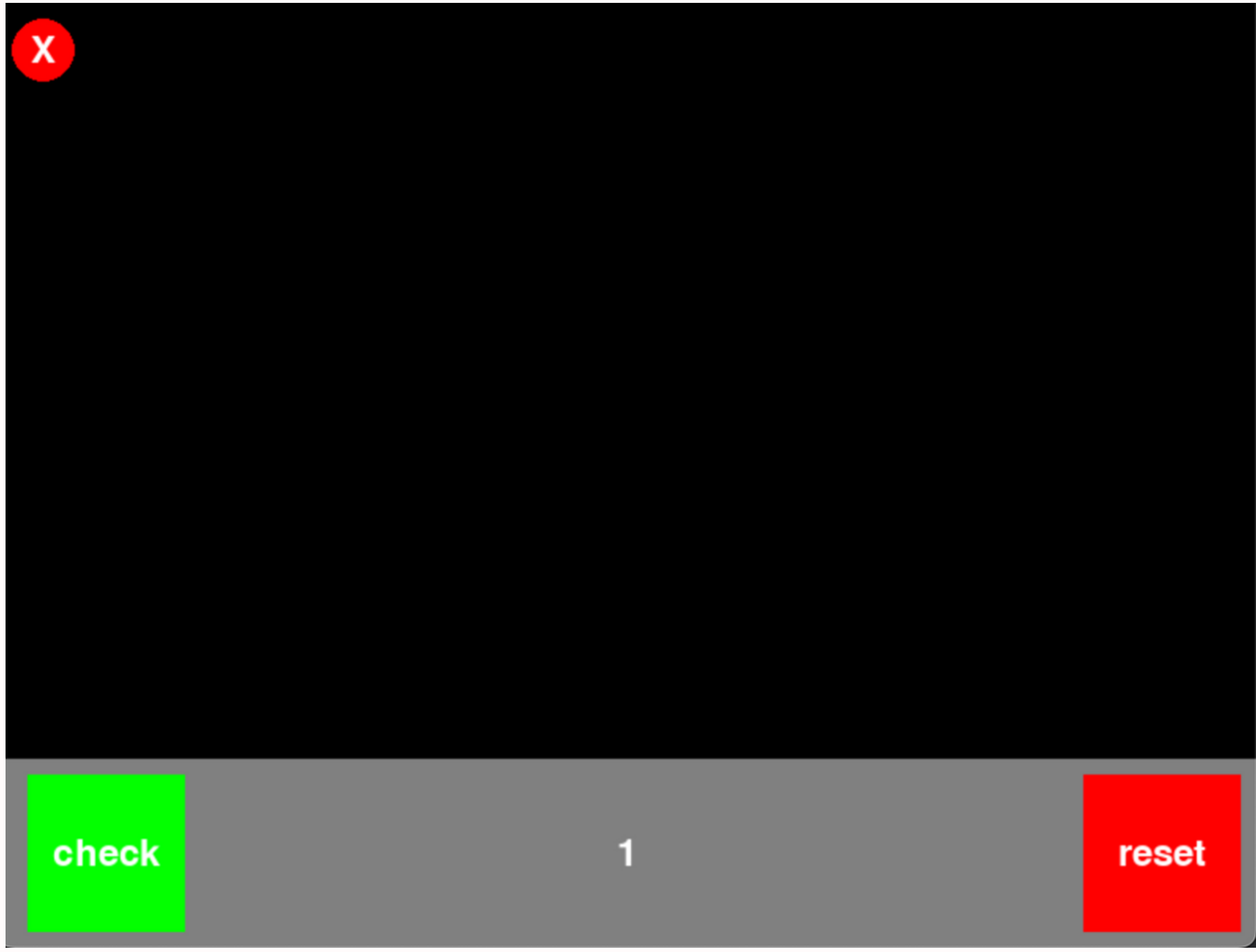
Pytorch

OpenCV for image manipulation.

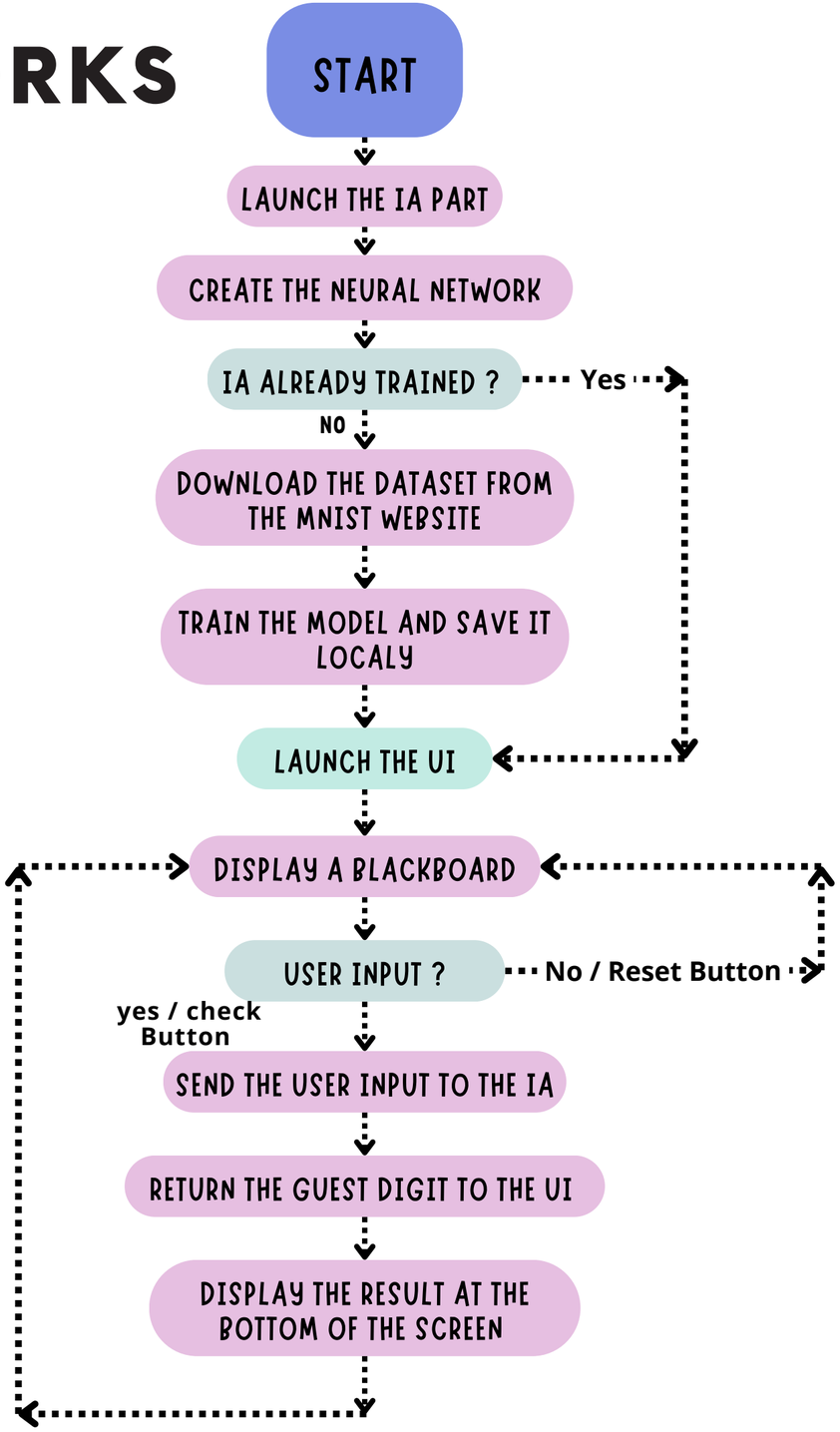
OpenCV

TECHNICAL CONTENT





HOW THE CODE WORKS



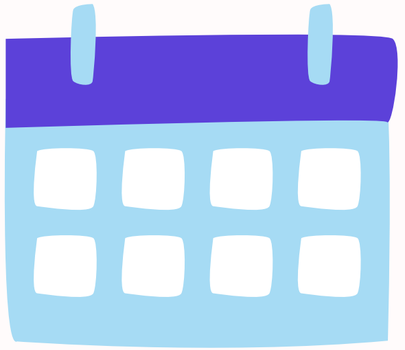
DIFFICULTIES

Finding an idea

Code optimization

SOLUTIONS

Asking for help



Good organization,
group meeting

CONCLUSION