AI Fire Detection System

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User Manual

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Acknowledgements

The journey overall was really an educational and enjoyable one. This wouldn't have been possible without the support of my parents and Mentor (Shivani Mam). The trainers had provided immense guidance and resolved the queries. Once again thanks to Mr.Ken for giving us all this wonderful platform.
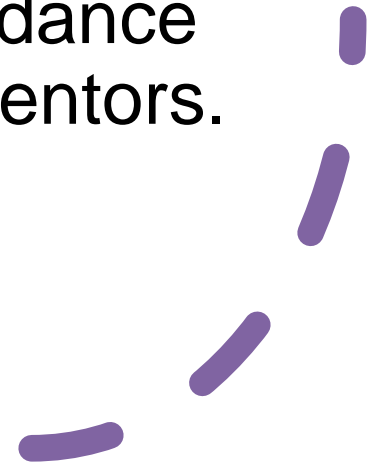
About Me..

I am Sainath Manikandan and study in grade 10 at Gems United Indian School, Abu Dhabi. I like to do robotics, swim, play football and do programming.

About My Internship Journey with Clevered..

The internship journey so far has been very interesting and informative. And the mentors have cleared queries and doubts and helped at all times. I am looking forward to finish the project under the guidance and support of the mentors.

About App..

- App's Main Menu

The main menu of the project consists of a button name 'Upload Images/Videos' through which users can upload pictures or videos and the project will give an output stating whether the image or video contains fire or not.

- App's Introduction

Fire Detection Security App

The aim of the project is to detect fire on images dataset. The process for the detection includes training the whole project using deep learning. Later on, we can also use the model to detect fire on videos. An alarm can be raised on the detection of fire.
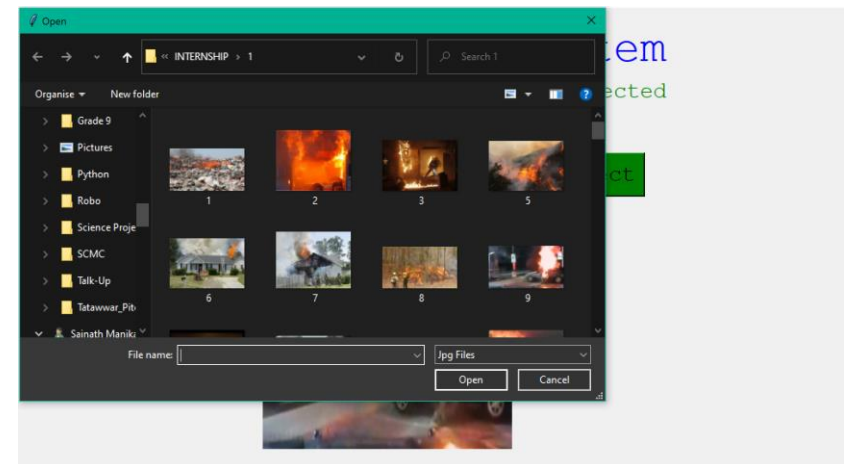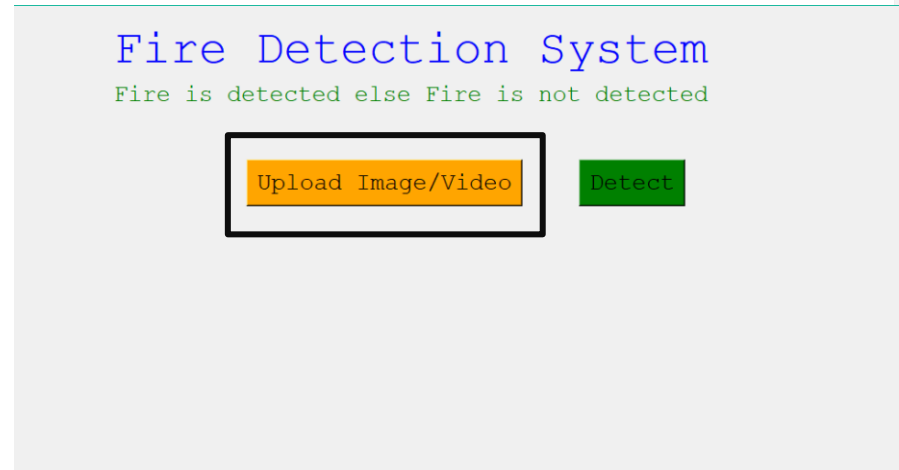
How do I use the App?

Upload Image/Video Button

When the user opens the application, he/she will see the screen on top. And this is the Upload Image/Video Button.

When he/she clicks on the Upload Image/Video button he/she will be given the option to upload the image or video.
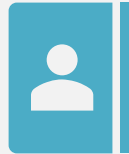
Detect Button

Using the Detect Button the user will command the app to detect and let them know if or not fire is detected in the image or video uploaded. And the output will be shown to the user.

Fire Detection System
Fire is detected else Fire is not detected

Upload Image/Video   Detect

Fire Detection System
Fire is detected else Fire is not detected

Upload Image/Video   Detect

Fire

```
1/1 [==============================] - 0s 104ms/step
[0]
fire
```

Contact Person

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Thank you!