

InfernoWatch – A fire Detection App

App User Manual

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Acknowledgements

- I would like to thank everyone who made this journey possible. Firstly, I would like to thank my parents for giving me the opportunity to be part of such an enlightening internship. Secondly, I would like to thank Mr. Avishek for helping me throughout my app development process. He guided us all through the internship and made it a very fun experience.

About Me..



- My name is Aryan Mukherjee and I am 17 years old, currently in the 12th grade. I am from India, and I have a keen interest in data science in general and artificial intelligence in particular, and wish to pursue it in the future.

About My Internship Journey with Clevered

- The internship has been very collaborative and engaging. It has taught me a lot about neural networks, deep learning, and other aspects of artificial intelligence in general. All my mentors have been very responsive and have guided me with any difficulties I have faced till now. The app was a success, and in the process of making the app, I have gained a lot of valuable insight into artificial intelligence. I am very thankful to everyone for this great opportunity.

About the App

- App's Main Menu

On opening the app, you can see the name of the app, InfernoWatch, and two buttons: Upload Image, and Detect. The result, i.e., whether the image is fire/non fire, will display below the buttons.

- App's Introduction

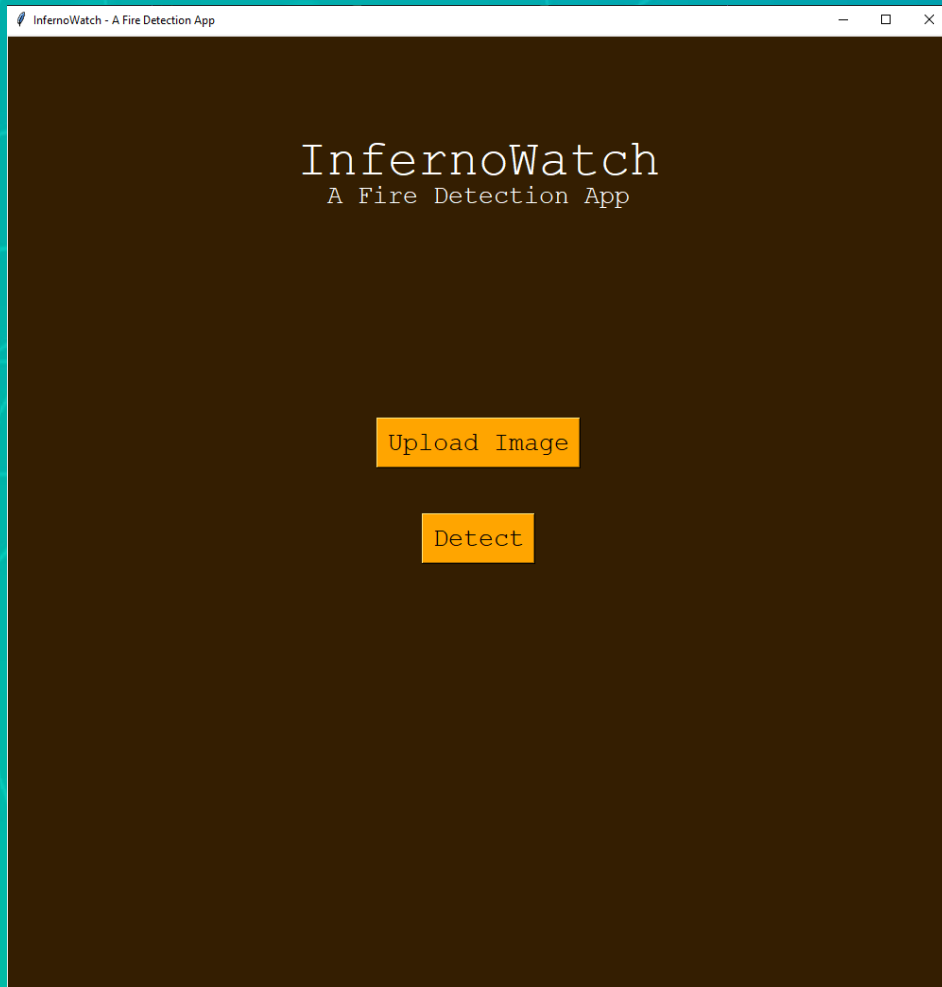
The app's name is InfernoWatch. It is a fire detection app which implements aspects of data science and artificial intelligence such as neural networks, deep learning, and model training, to detect whether a picture contains fire or not.

This project would also be a stepping stone for real-world applications of fire detection which incorporate real time fire detection as a means of safety for users in the surrounding area.

How to use the App

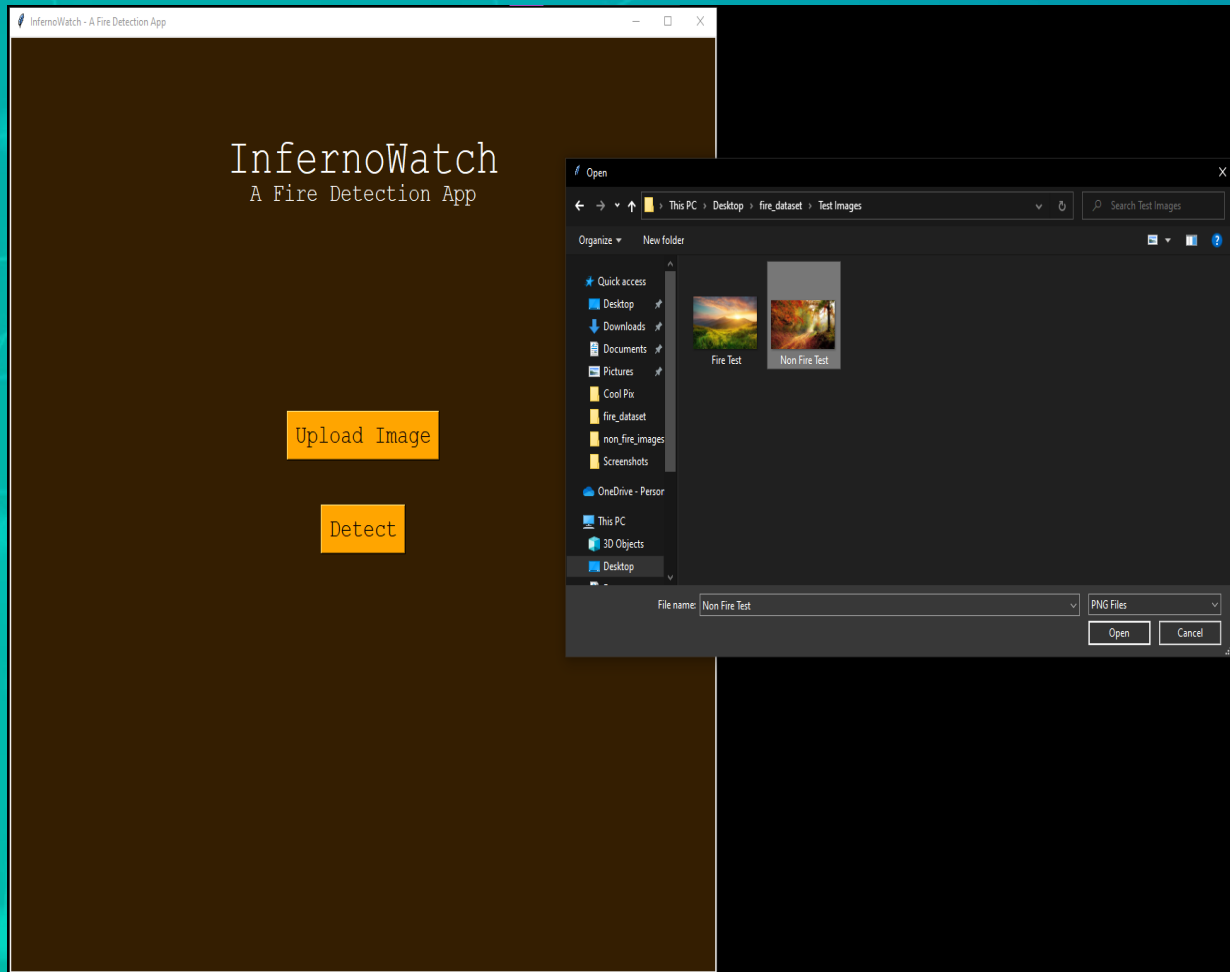
- The home page has a upload image button and below it a detect button. First the user has to click the upload image button. On doing so, their file explorer will pop up, where they can choose to upload any PNG file. After uploading, the user clicks the detect button. On doing so, there will be a display below the detect button. It will display “The image contains fire”, if fire is detected in the image; or it will display “The image does not contain fire”, if there is no fire detected in the image. More details of the functionality is given in the next few slides.

Home Screen



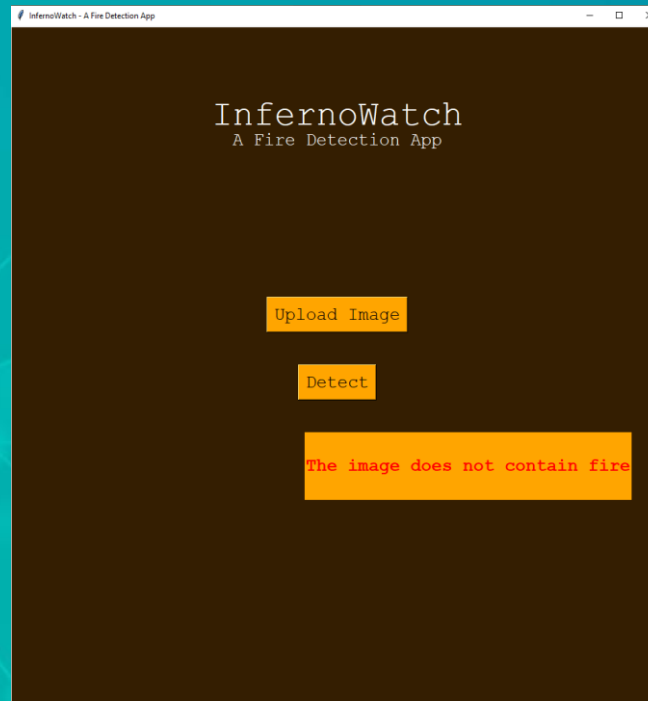
- This is the home screen, with the upload image and detect buttons.

Upload Image Button



- On clicking the upload image button, this screen will appear for the user, where they can select their picture to check.

Detect Button



- On clicking the detect button
- after you have selected the
- image, either of these screens
- will pop up. The first screen for if
- fire is detected, and the second
- screen if no fire is found in
- the image.

Contact Details

Please reach out to me at my email address:
aryanmukherjee2006@gmail.com for any
questions/ concerns/ suggestions on the App



Thank you!