MAD NFT

Machine Learning - Artificial Intelligence
- Deep learning – Blockchain NFT creator

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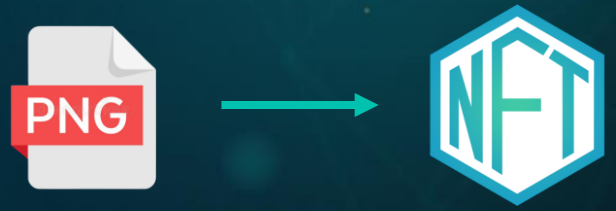
PROBLEM STATEMENT

NFTS are getting publicized these days! But we are not having much open source solution which converts any image into a NFT. Hence we have come up with a real time project that converts any given picture into a NFT using our machine learning, Artificial intelligence and deep learning (MAD) model.



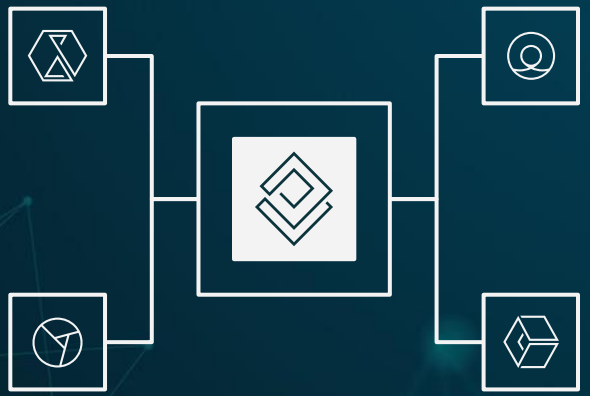
METHODOLOGY OF MAD MODEL

This converts the given images to cartoonized images.

DEEP LEARNING

SCRAPING

This imports n thousands photos from the given photo category



This compares and chooses the best cartoonized image from the given set of images from DL model

MACHINE LEARNING

NFT

The best image is selected and published as NFT which is non fungible (unique).

ILLUSTRATIONS

Conceptual UI

MAD NFT

https://madnft.com

MAD NFT

WHAT DO YOU WANT TO DO ?

UPLOAD YOUR OWN PHOTO

SELECT CATEGORY ONLINE

MAD NFT

https://madnft.com

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DRAG AND DROP

only upload .jpg, .jpeg or .png

UPLOAD IMAGE

MAD NFT

https://madnft.com

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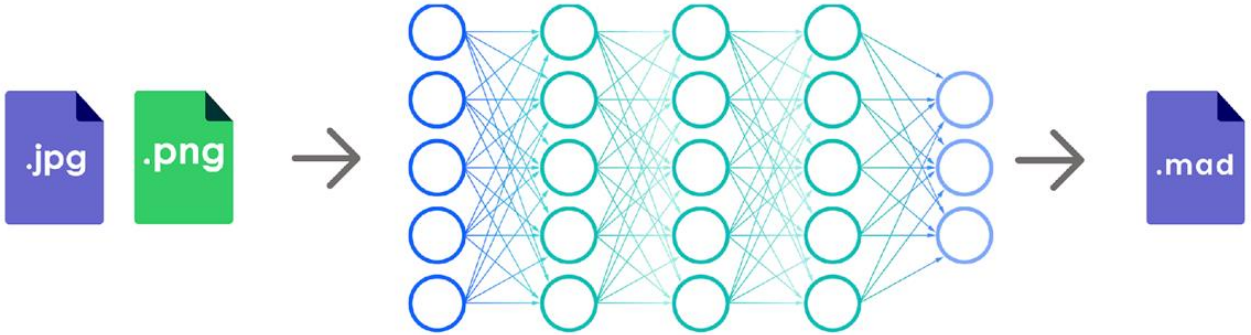
INITIALISING NEURAL NETS



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https://madnft.com

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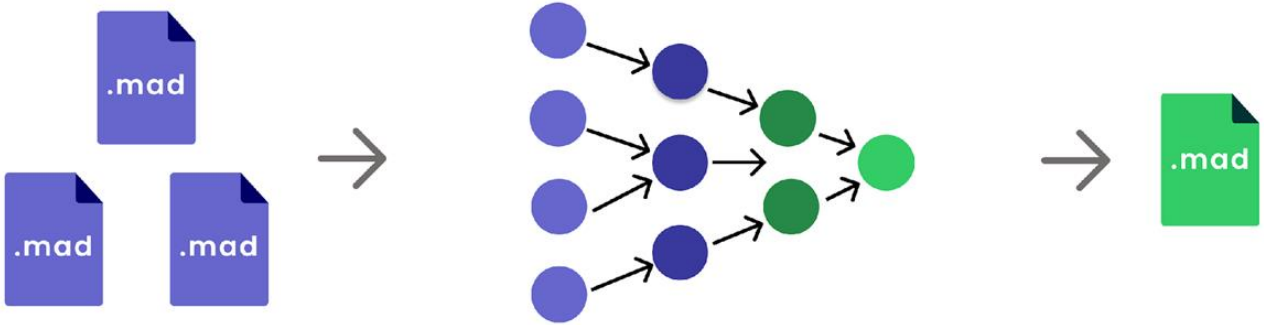
EXECUTING ML ALGORITHMS



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SCRAPING FROM UNSPLASH

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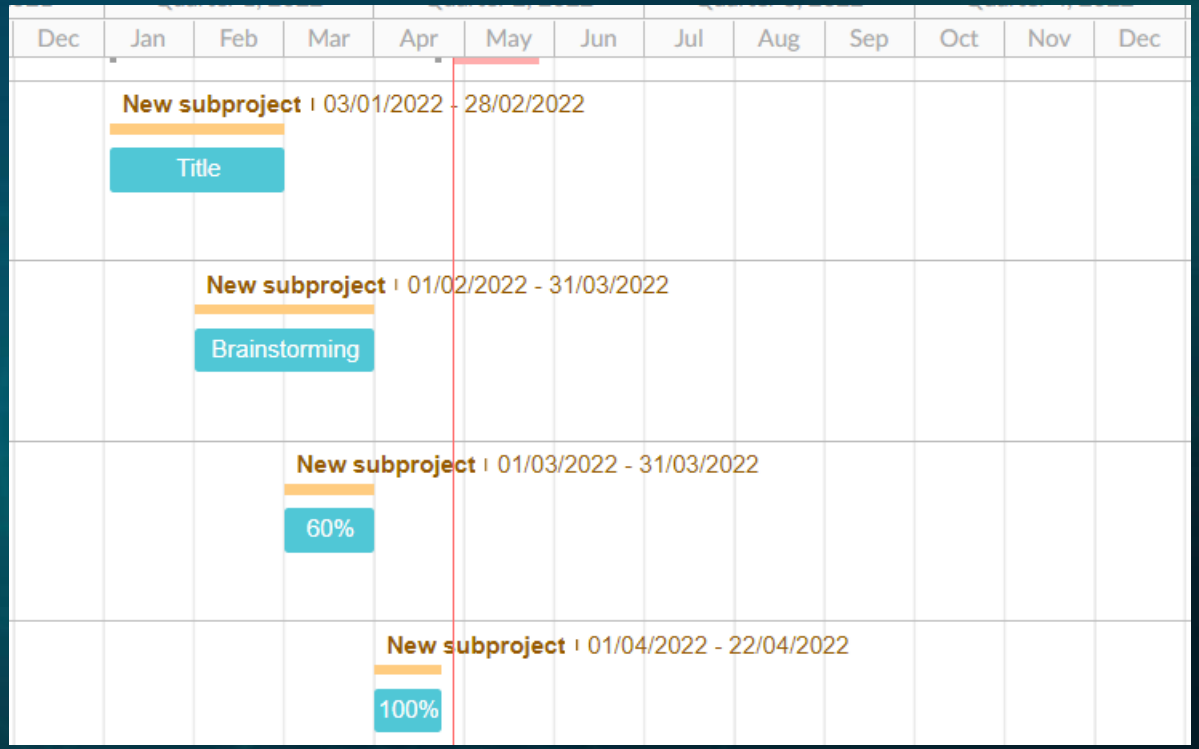
SUCCESS

YOUR IMAGE

YOUR NFT

DOWNLOAD NFT

GANTT CHART


Dec
Jan
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New subproject | 03/01/2022 - 28/02/2022
Title
New subproject | 01/02/2022 - 31/03/2022
Brainstorming
New subproject | 01/03/2022 - 31/03/2022
60%
New subproject | 01/04/2022 - 22/04/2022
100%

STEP 1: SCRAPING

If user wish to take pictures from internet, then he/she don't need to search in google and download images. Our software will automate it and download the images which user needs using web scraping technique.

RUNS ON SELENIUM

INPUT

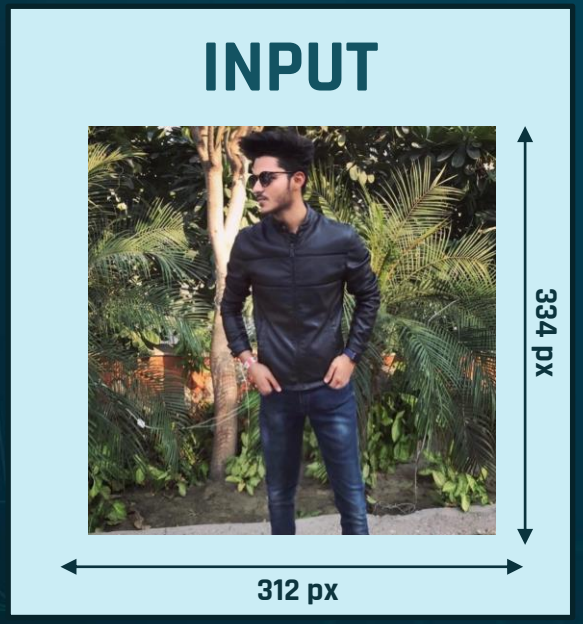
String : dogs

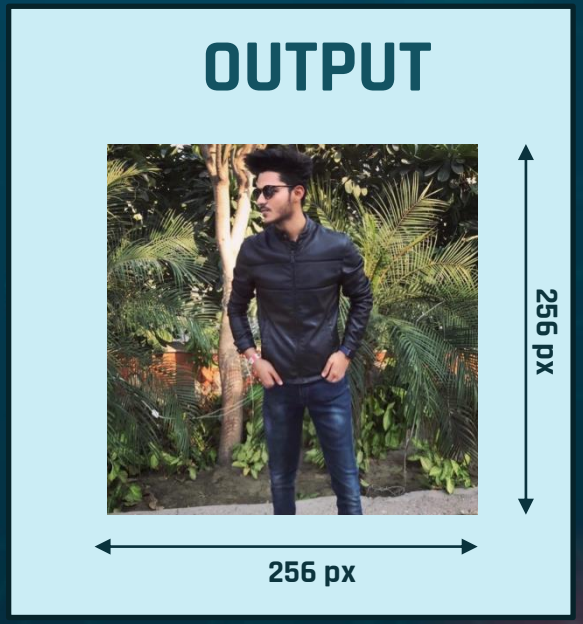
OUTPUT

....

STEP 2: RESIZING

In order for our algorithm to function properly, all the input images must be in specific dimensions. As the recommended standards we take 256 x 256 pixels resolution. Here we convert the images into this resolution.





STEP 3: CARTOONIZING

After resizing we proceed with our inference.py file and cartoonish it. The result of the code is below

NOW WE HAVE OUR DESIRED IMAGE

Proceeding into

NFT AND BLOCKCHAIN PART

ERROR REPORT - BLOCKCHAIN PART OF THE PROJECT

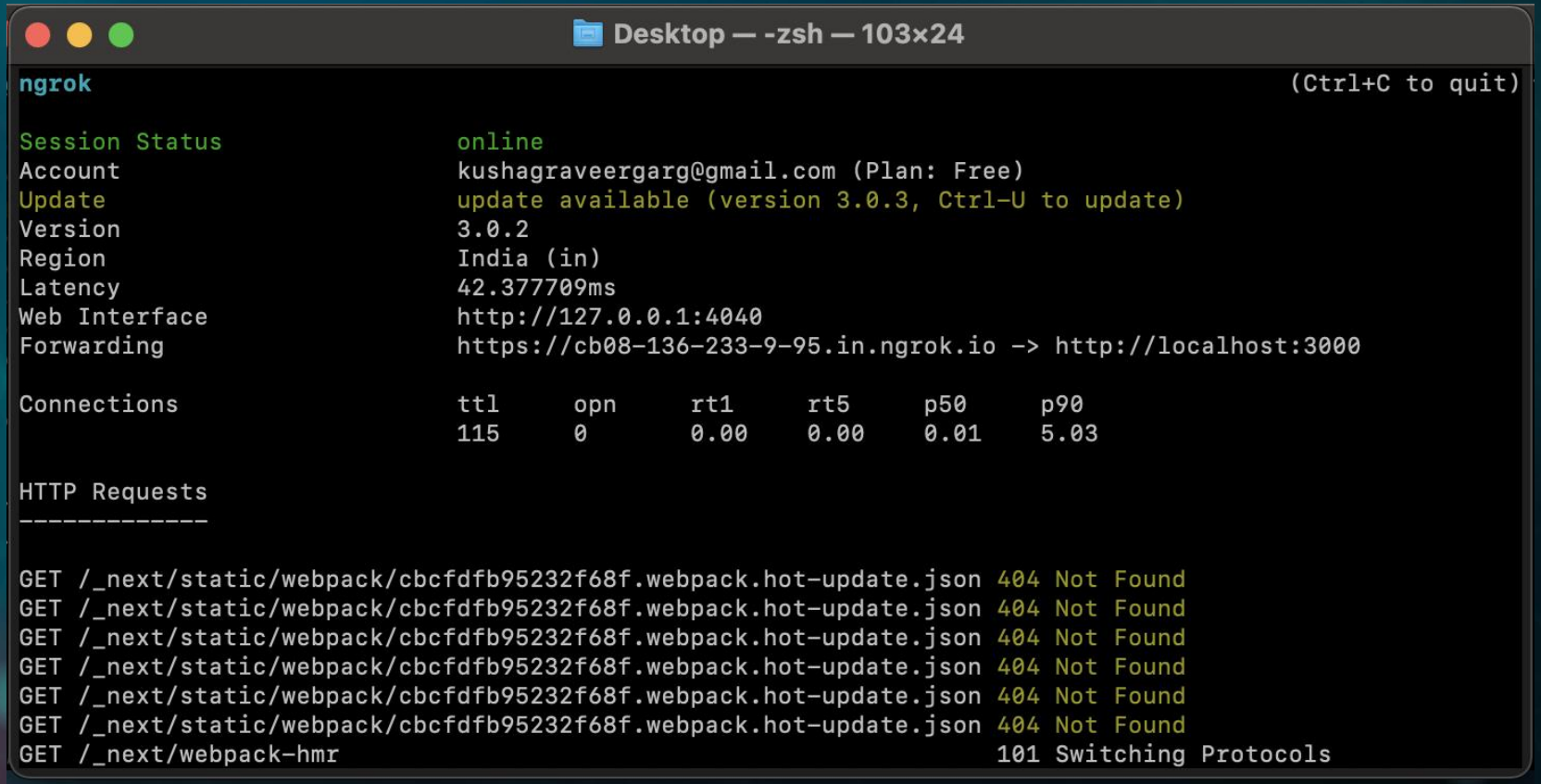
In the blockchain part of the project there are two sub-parts :

1- The implementation of the smart contracts and construction of metadata for the nft.

2- And The website which we will link with our smart contract and through which people can buy and sell their nft's through our platform.

The 1st part works well with the local host and the wallet is also set up for making transaction to buy nft but in order to put the nft's for sale the two parts that is the website and smart contracts should be linked. Due to lack of the link we can't put it on sale. But we have linked our website with the official page of the nft trading platform through which we can depict the purchase that we aim to do in future through our platform.

Screenshot of the error



CONCLUSION

We have finally come up with a real time project that converts any given picture into a cartoonized image using our deep learning model. And we aim to work on making this cartoonized image into nft and put it on sale through our platform.

FUTURE SCOPE

NFT out of the cartoonized image and the Website affiliated with blockchain that would provide users direct platform to sell their NFTs created by our software.

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REFERENCES

1. Rehman Wajiha, Zainab Hijab e, Imran Jaweria, Bawany, NFTs: Applications and Challenges *2021 22nd International Arab Conference on Information Technology (ACIT) Information Technology (ACIT), 2021 22nd International Arab Conference on*. :1-7 Dec, 2021

THANKS!

We are open for any queries from you

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