

HACKATHON-ENSET-2023

BLOCKCHAIN ET IA AU SERVICE DE LA SANTE

Realiser par:

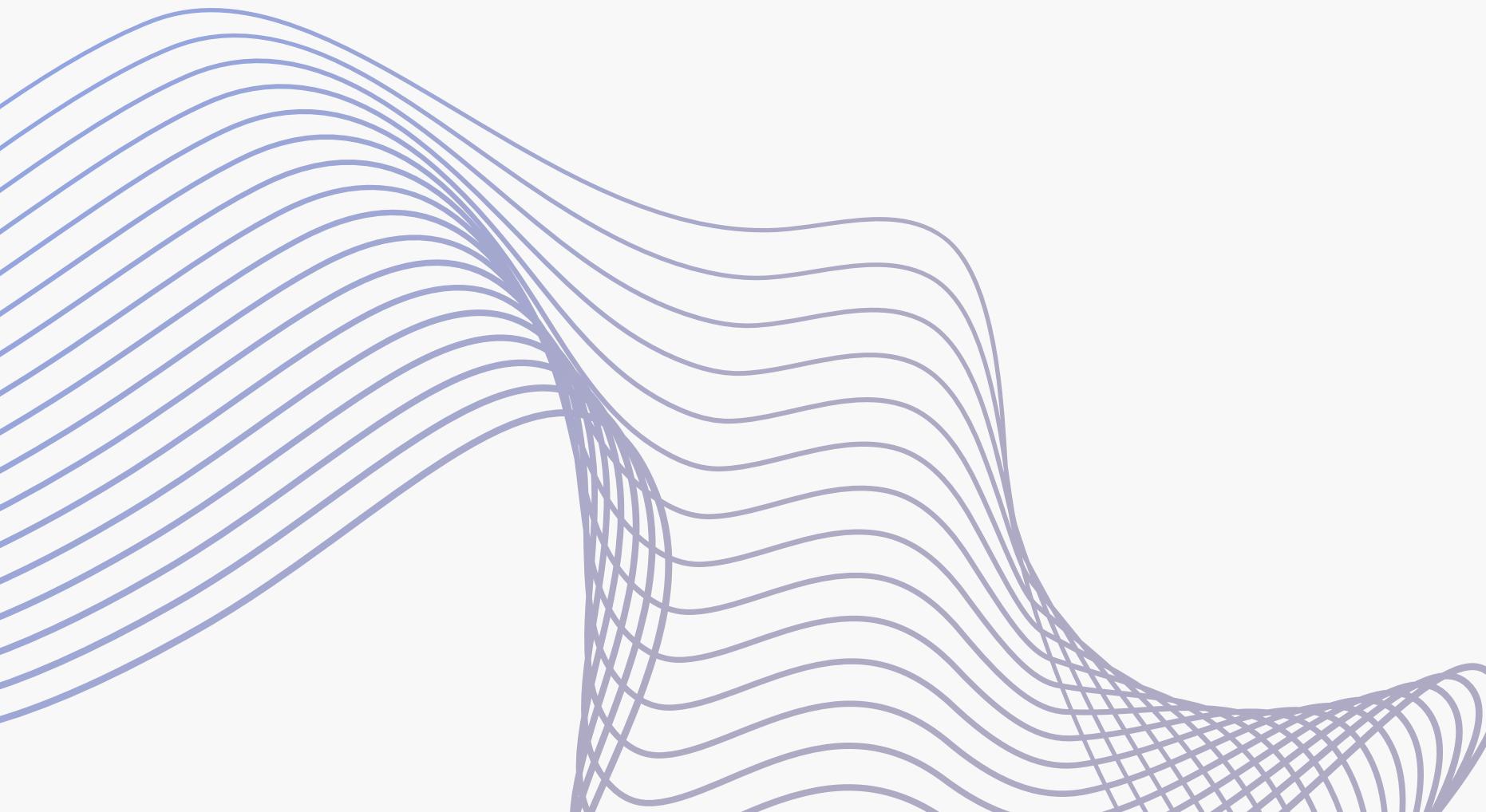
EL JARIDA Yasser
AIT BOUNA Abderrahim
EL MAJJODI Abdeljalil
AGOUJIL Abdelkarim
BRAIMI Hamza



INTRODUCTION



PLAN



1

CONCEPTION

2

BLOCKCHAIN

3

INTELLIGENCE ARTIFICIELLE

4

DEMONSTRATION

5

CONCLUSION

CONCEPTION

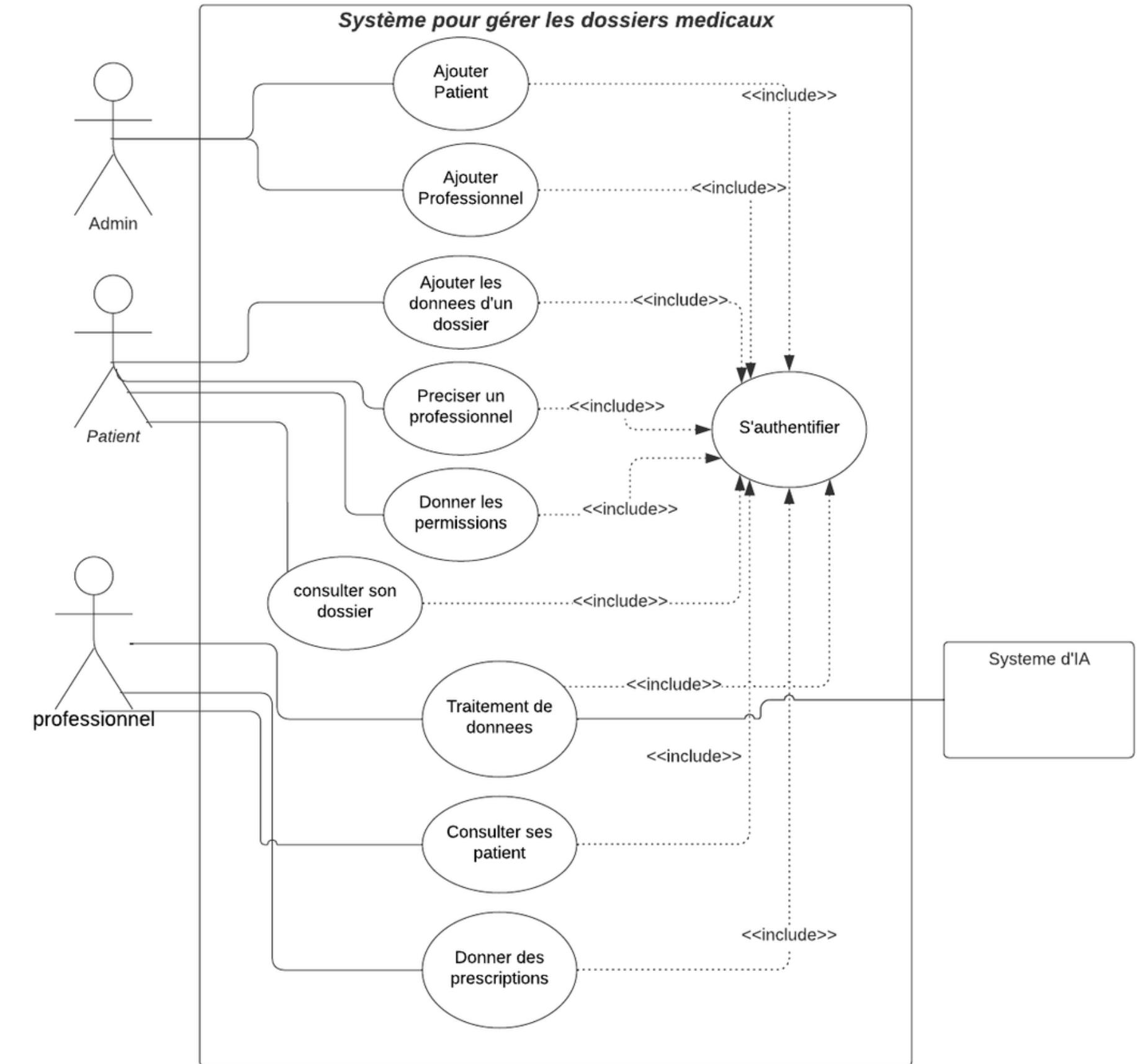


Diagramme de cas d'utilisation

BLOCKCHAIN

TECHNOLOGIES



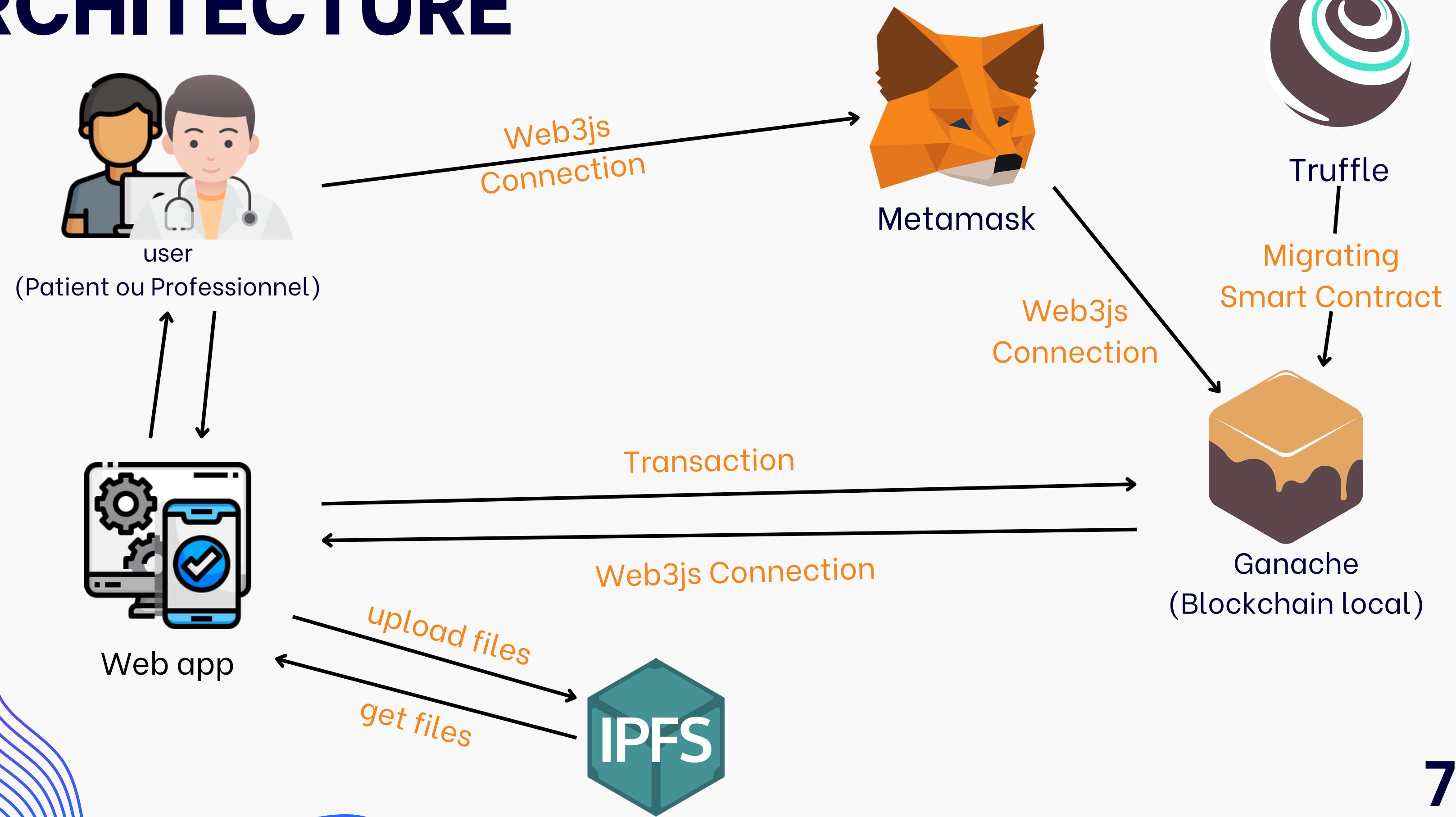
Ganache



TRUFFLE



ARCHITECTURE



INTELLIGENCE ARTIFICIELLE



colab



POSTMAN

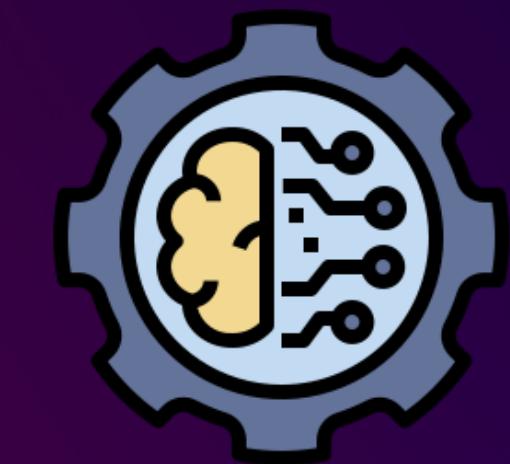


Flask

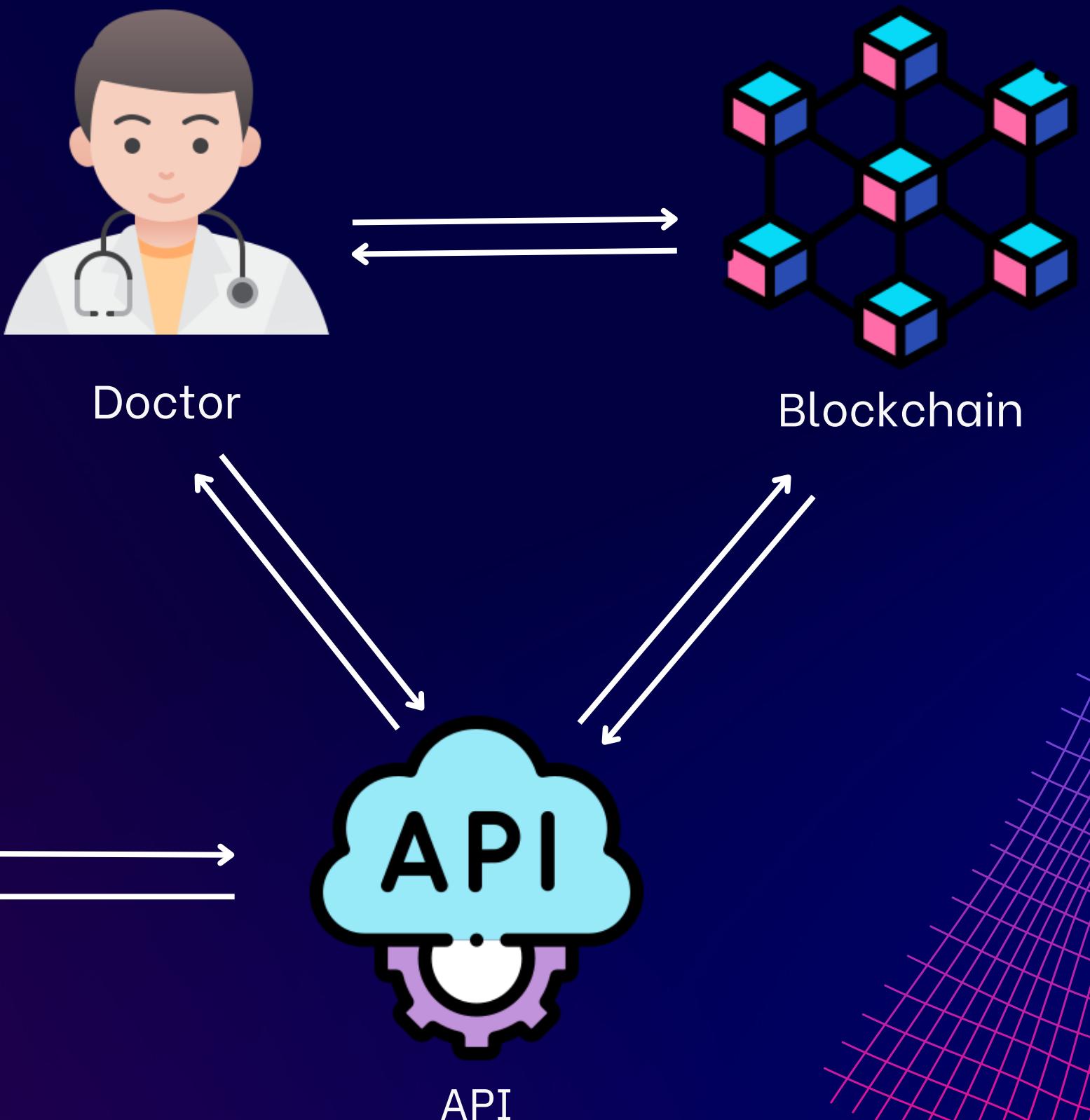
web development,
one drop at a time



Intelligence Artificielle

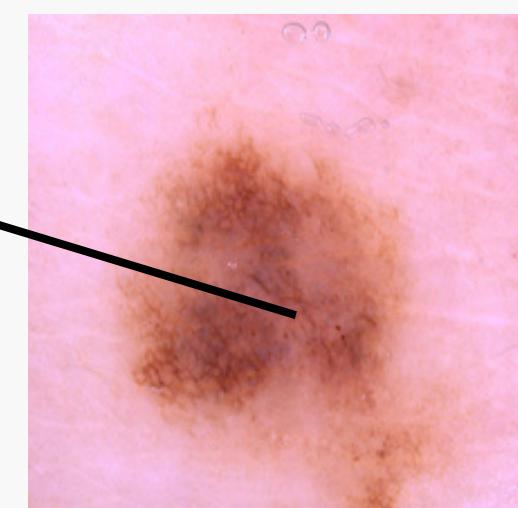
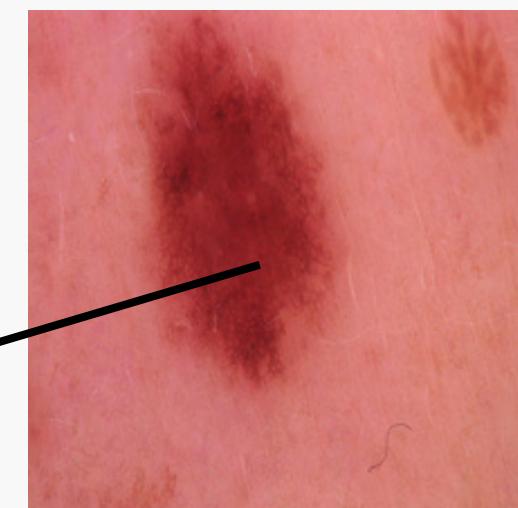


Model Machine Learning

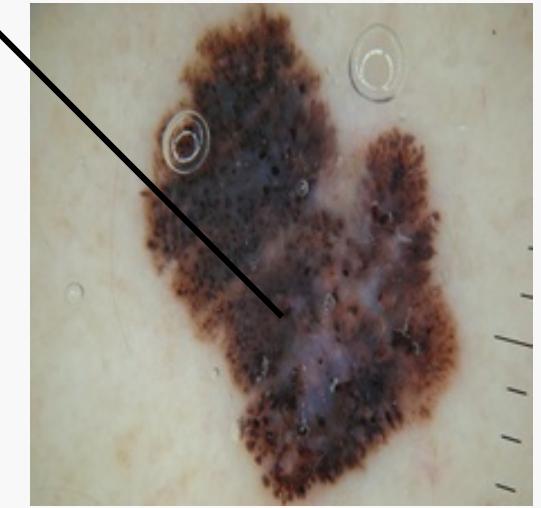
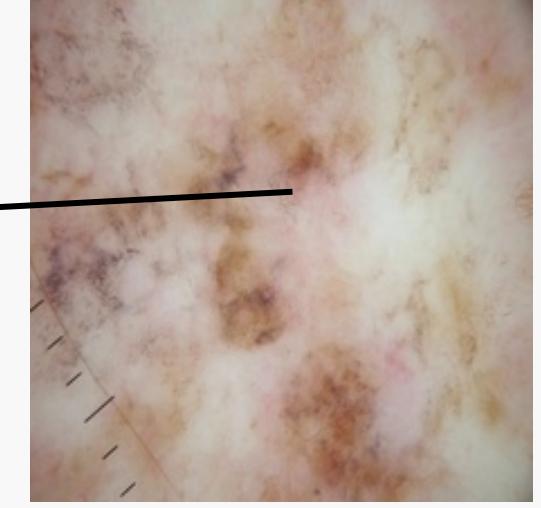
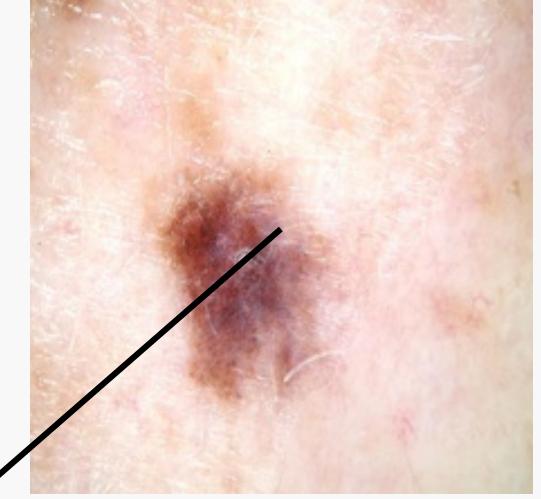


Cas de traitement IA (cancer de la peau)

benigne



malignant



Curl

```
curl -X 'POST' \
'http://127.0.0.1:8080/predict/image' \
-H 'accept: application/json' \
-H 'Content-Type: multipart/form-data' \
-F 'file=@33.jpg;type=image/jpeg'
```

Request URL

```
http://127.0.0.1:8080/predict/image
```

Server response

Code Details

200 Response body

```
{ "prediction": "benign" }
```

Download

Response headers

```
content-length: 23
content-type: application/json
date: Fri,17 Mar 2023 05:20:52 GMT
server: unicorn
```

Responses

Code Description

Links

POST /predict/image Predict Image

Parameters

No parameters

Request body required

multipart/form-data

file * required

string(\$binary)

Choisir un fichier Aucun fichier choisi

Cancel Reset

Execute

Responses

IMPLEMENTATION

```
#image.show()
#image.save('output.jpg')
rgb_im = image_data.convert('RGB')
img=image.img_to_array(rgb_im)
img=np.expand_dims(img,axis=0)
img.reshape(img.shape[0],-1)
#X_test.reshape(X_test.shape[0],-1)[0].shape
prediction=model.predict((X_test.reshape(X_test.shape[0],-1)[0]).reshape(-1,20528))[0]

#if prediction==0:
#    return {'h':'Benign' if prediction==0 else 'Malignant'}
```

Exécution (10 min 48 s)... Cell > new_run() > run() > run_simple() > serve_forever() > serve_forever() > select()

Activer Windows
Accédez aux paramètres pour activer Windows.

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad

POST http://8c9e-35-202-53-205.ngrok.io/

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

KEY	VALUE	CONTENT TYPE	DESCRIPTION	Bulk Edit
image	1.jpg	Auto		
<input checked="" type="checkbox"/> image	100.jpg	Auto		

Body Cookies Headers (6) Test Results

Pretty Raw Preview Visualize

{"h":"Benign"}

Démonstration



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