	2
ID	**MID44913**
Name	**saster Intensity Analysis and Classification using Artificial Intelligence**

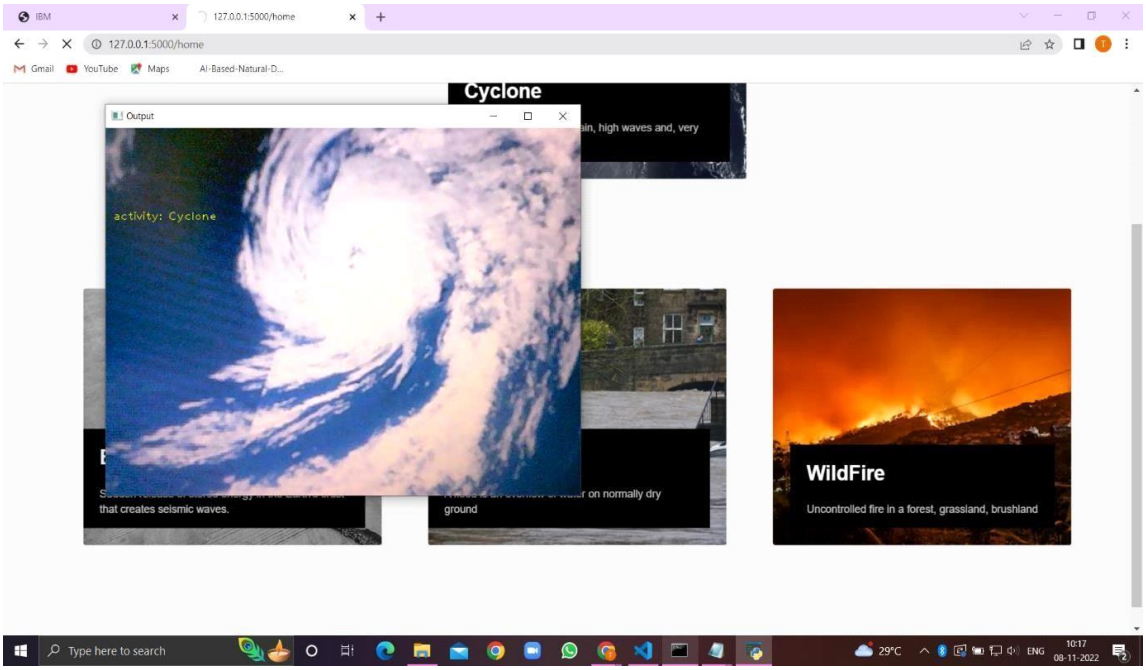
PROJECT DEVELOPMENT PHASE

SPRINT-4

INTEGRATE THE WEB APP WITH AI MODEL:

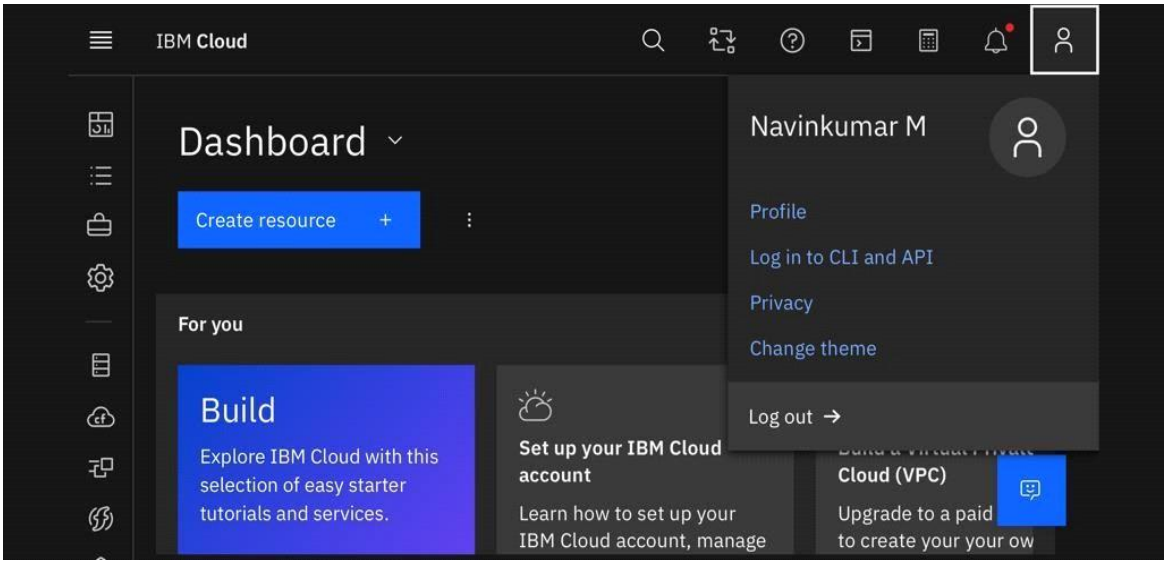
After creating the Model, the Model should be integrated with the web app using the Flask application. The coding part is named as app.py and it will be running in the localhost through the generated link. By navigating the localhost the webpage will be visible.

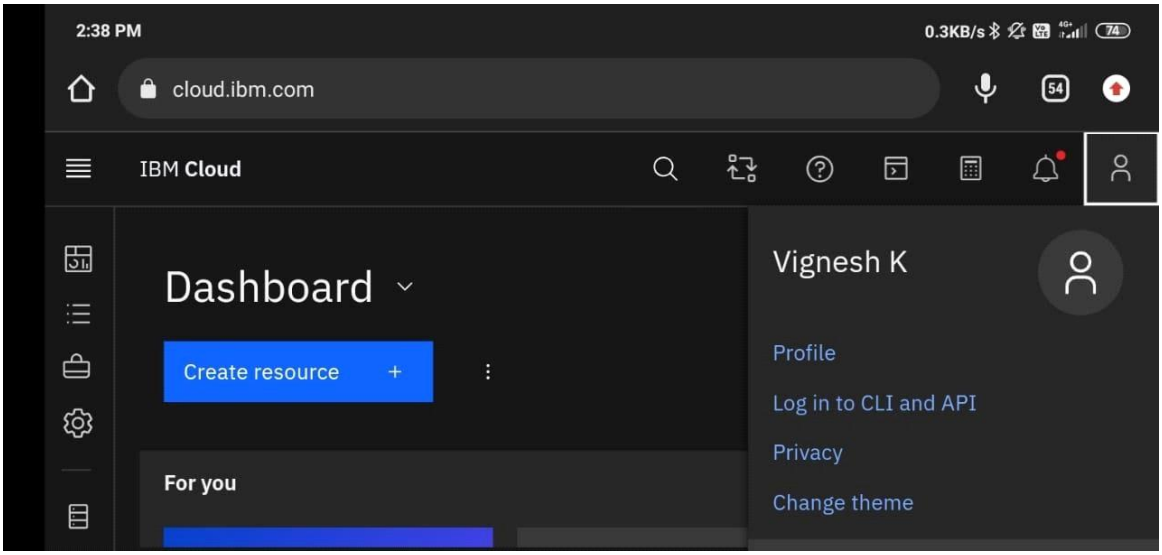
```
            output = frame.copy()
            #print("apple")
            frame = cv2.cvtColor(frame, cv2.COLOR_BGR2RGB)
            frame = cv2.resize(frame, (64, 64))
            #frame = frame.astype("float32")
            x=np.expand_dims(frame, axis=0)
            result = np.argmax(model.predict(x), axis=-1)
            index=['Cyclone','Earthquake','Flood','Wildfire']
            result=str(index[result[0]])
            #print(result)
            #result=result.tolist()

            cv2.putText(output, "activity: {}".format(result), (10, 120), cv2.FONT_HERSHEY_PLAIN,
                        1, (0,255,255), 1)
            #playaudio("Emergency it is a disaster")
            cv2.imshow("Output", output)
            key = cv2.waitKey(1) & 0xFF

        # if the `q` key was pressed, break from the loop
            if key == ord("q"):
                break

        # release the file pointers
        print("[INFO] cleaning up...")
        vs.release()
        cv2.destroyAllWindows()
        return render_template("upload.html")


if __name__ == '__main__':
      app.run(debug=False,threaded=True)
```



REGISTER FOR IBM CLOUD:

Registering IBM Cloud for deploying the model through the Flask application. The IBM Cloud account is created for all the team members.


IBM Cloud
Dashboard
Create resource +
For you
Build
Explore IBM Cloud with this selection of easy starter tutorials and services.
Set up your IBM Cloud account
Learn how to set up your IBM Cloud account, manage
Cloud (VPC)
Upgrade to a paid
to create your your ow
Navinkumar M
Profile
Log in to CLI and API
Privacy
Change theme
Log out


2:38 PM
0.3KB/s
cloud.ibm.com
IBM Cloud
Dashboard
Create resource +
For you
Vignesh K
Profile
Log in to CLI and API
Privacy
Change theme