

FACE RECOGNITION APP

INTRODUCTION:

This is a full stack web development project which can be used for recognizing faces in a image address provided. The face recognition is done with the help of CLARIFAI API.

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DETAILS:

FRONTEND:

The frontend of the website is made using ReactJS. The designing of the website is done using CSS. There are 3 pages in total for the website. First one is Sign In page, Then the Register Page and then the profile page in which, the faces present in the image URL we provide will be found out with the help of CLARIFAI API.

The user has to first register using his Name, Email ID and a password to create his profile. After Register, when sign in using the credentials, the user will be directed to the profile page in which there exist an option to provide link of image for which the faces have to be recognized.

The total number of searches the user is made visible in the profile page.

Animations are used in the background which gives the website a good look.

BACKEND:

The backend is made with Node.js. The user credentials are enabled in backend. PostgreSQL Database is used for storing data. The Name, Email ID and password in hashed format is stored in the database. The registered users when Sign in the credentials stored in database is used for verification. Error message will be delivered when a user who has not registered or when wrong credentials are entered while sign in.

CLARIFAI API:

The CLARIFAI API is used for detecting faces present in the image. Clarifai supports the full AI development lifecycle; including dataset preparation, model training and deployment.

The Clarifai API is hosted in the backend. When a person pastes a URL from which faces has to be detected and search, the Clarifai API is called from the backend and the response from which is returned to the Frontend. The recognized faces are then shown inside a box. A unique clarify API key is generated from and is used while making use of the API functionality.

The number of times a person searches an image is also stored in the database and displayed on the profile.