Extreme Weather Prediction App

User Manual

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About me

My name is Shriya. I'm a 17-year-old Grade 12 student living in Dubai. I enjoy reading books, listening to music, and dancing.

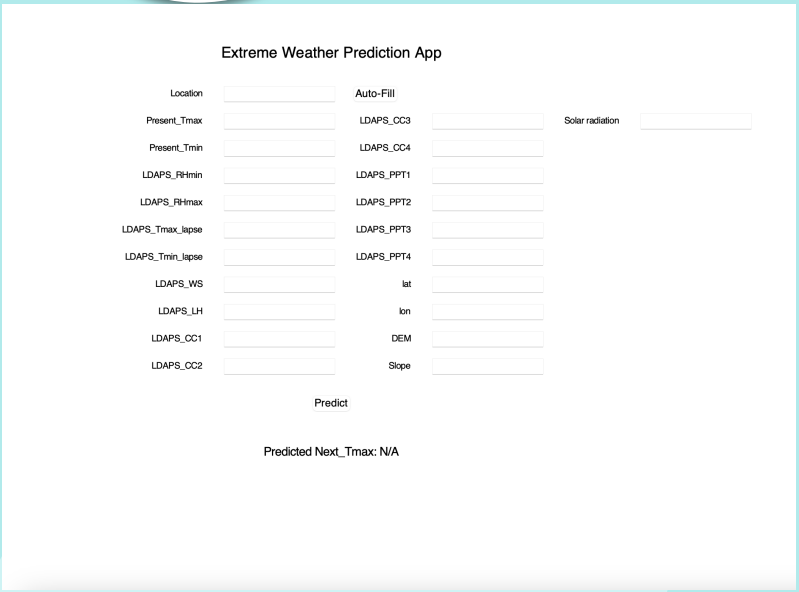
About my Internship journey with Clevered

My internship journey has been very insightful. I learned a lot, especially about Python, which I initially knew nothing about. My mentor was extremely helpful, guiding me through every step. With her support, I was able to complete the app on extreme weather prediction. This experience has been incredibly rewarding and educational.

About App

It is an extreme weather prediction app that helps users anticipate extreme weather conditions. When a user inputs the city where they live, the app automatically gathers values such as maximum temperature, relative humidity, solar radiation, and other relevant data. Using this information, the app predicts the maximum temperature for that location. This tool aims to provide accurate weather forecasts to help users stay prepared for extreme weather events.

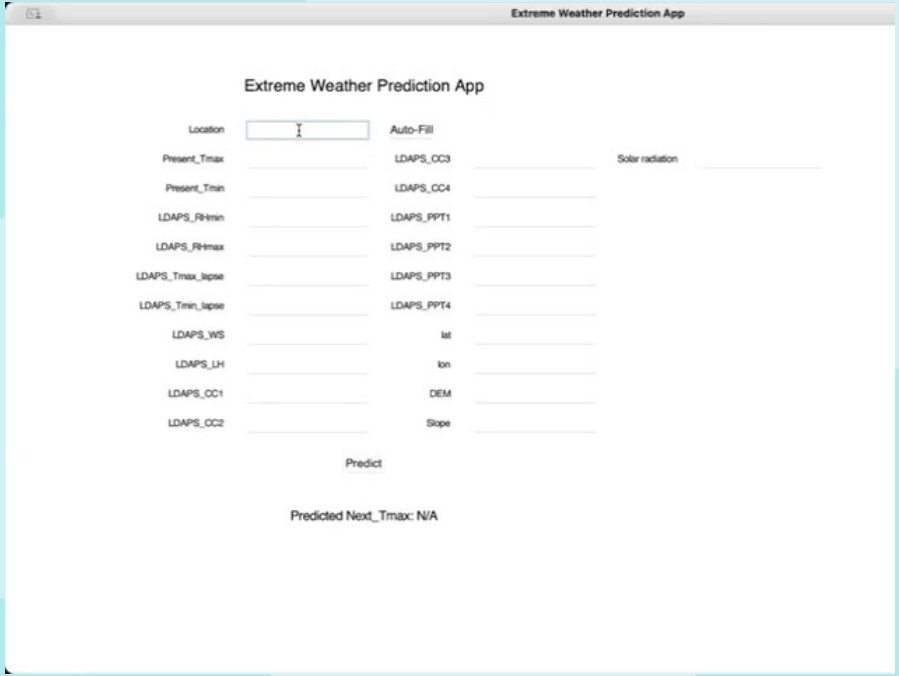
How do I use the App



Steps :

1. Type in the city you are located in
2. Click on Auto-fill
3. Click on Predict and the Next maximum Temperature is shown

Demo Video


Extreme Weather Prediction App
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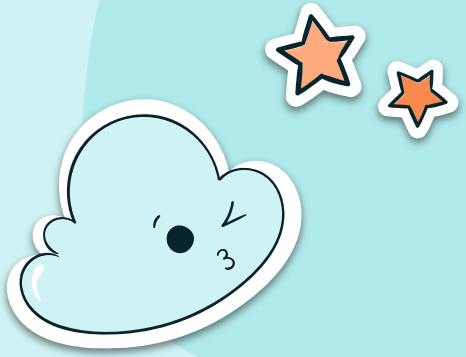
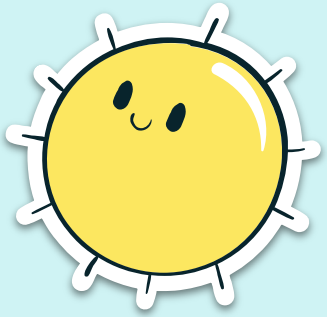
Location
Auto-Fill
Present_Tmax
Present_Tmin
LDAPS_RHmin
LDAPS_RHmax
LDAPS_Tmax_lapse
LDAPS_Tmin_lapse
LDAPS_WS
LDAPS_LH
LDAPS_CC1
LDAPS_CC2
LDAPS_CC3
LDAPS_CC4
LDAPS_PPT1
LDAPS_PPT2
LDAPS_PPT3
LDAPS_PPT4
lat
lon
DEM
Slope
Solar radiation
Predict
Predicted Next_Tmax: N/A

Toolkit Walkthrough

https://docs.google.com/spreadsheets/d/1sAG14ujqU0NiLdX5QbuSPqLccipJjGkj/edit?usp=sharing&ouid=111531626089549407682&rtpof=true&sd=true





Contact person

Please reach out to me at my email shriyauasdubai@gmail.com for any concerns/suggestions on the app