

MENTAL HEALTH PREDICTION APP



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ACKNOWLEDGEMENT

I would like to thank my mentors and the entire team of Clevered who helped me complete this project and execute my ideas successfully.

I was frequently reached out on emails so as to fix the errors in my application . These follow ups ensured the smooth running of my project.

I also referred to the site [geeksforgeeks](#) to correct the syntax/other errors that wouldn't let my app work perfectly.



MY PHOTOGRAPH



Student's Introduction

I'm Rohini , currently in grade XII . Python is a part of my school curriculum , and I had AI as my sixth subject in grade IX. However, I was keen to learn more , and it influenced me to broaden my knowledge about AI and start working on a project that would be socially impactful with hands-on experience in different domains of AI. The first thing that came to my mind was an app that would be able to accurately track a student's mental health status and recommend on that basis of input data if he/she needs any specialized treatment or counselling.

ABOUT MY INTERNSHIP JOURNEY WITH CLEVERED.

My journey with Clevered so far has been a truly enriching one . It gave me a detailed picture of coding with keen emphasis on different AI domains like NLP , Machine Learning , CV etc. This internship not only paid keen attention to coding skills but also enhanced my soft skills including presentation , communication , time management , problem solving , and work experience. At the same time, I found this internship a little challenging . I and my mentors had to do repeated follow-ups to correct the blocks of incorrect code and come up with an appropriate solution to the same. The weekly home assignments ensured that I didn't lose touch with the subject and constantly kept upgrading my skills as a young coder. I have never worked on any AI project before , and found this internship to be a highly engaging one . It taught me how to strike a perfect balance between school studies and curriculum outside school. Admittedly, it's well worth the effort.

ABOUT APP

App's Main Menu

- Prediction of depression
- Prediction of anxiety
- Prediction of panic attack
- Seeking specialized treatment

User Interface

- Important conclusions drawn
- Data visualization /analysis
- Graphical representation

App's Introduction

This mental health prediction app will predict on the basis of an imported dataset if a college student is suffering from depression/anxiety/panic attack and needs any specialist treatment for the same. A machine learning model has been trained to take the final decision using a decision tree.

HOW TO USE THE APP?

App User Interface

Go to CMD and type
'jupyter notebook'

Execute the code to direct at first UI

Blank UI

```
C:\WINDOWS\system32\cmd. X + v

Microsoft Windows [Version 10.0.22621.1413]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rohini>jupyter notebook
```

```
In [27]: # tkinter GUI
import tkinter as tk
root= tk.Tk()

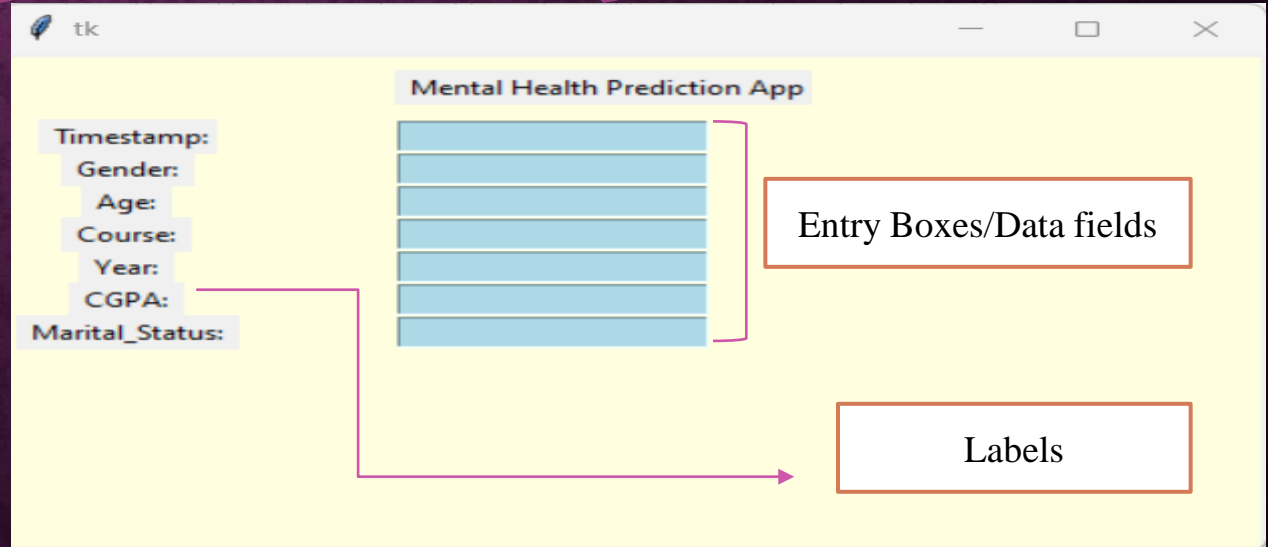
#Make a Canvas (i.e, a screen for your project
canvas1 = tk.Canvas(root, width = 980, height = 400,bg='light yellow')
canvas1.pack()

#To see the GUI screen
root.mainloop()
```



Third UI

For each of the seven labels , the entries are to be made in the entry boxes(highlighted in blue).



Demo Video

[https://drive.google.com/file/d/1r7uMfnRLYzFFqYfaDWO0a-3l3avQvOGh/view?usp=share link](https://drive.google.com/file/d/1r7uMfnRLYzFFqYfaDWO0a-3l3avQvOGh/view?usp=share_link)

TOOLKIT WALKTHROUGH

[HTTPS://DRIVE.GOOGLE.COM/DRIVE/FOLDERS/1WBOOWZFXDDHB2VAR9TYTOFWCMLTH7HHW?USP=SHARE LINK](https://drive.google.com/drive/folders/1WBOOWZFXDDHB2VAR9TYTOFWCMLTH7HHW?USP=SHARE_LINK)

CONTACT PERSON

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