

PALMISTRY DETECTION USING PYTHON

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1. ABSTRACT:

In ancient time, people were believing in Palm readers because at that time the palm readers were honest and were saying truth. At that time they were not saying any lie to grab money in the name of Palmistry.

But later, after day passes, now a days there are so many organization and teams to grab money from people in the name of palmistry. Hence I tried to create a project which help to avoid those scams.

Project is to predict the characteristics and life history of a person using their hand called palmistry. This project will reduce the fraud activities in the name of palmistry by developing a python project.

2. INTRODUCTION:

Palmistry has changed very little over the years. For thousands of years, in diverse cultures, people have believed that an individual's destiny is previewed in the hands. Some people believe that every palm holds, in its own unique network of lines and markings, the key to life's potential. Palmistry can be used as a tool to enhance ones view on life. A palm reading can open your eyes to characteristics you may be unaware of. Palm readers usually compare the subject's right and left hand, looking for differences. A dominant hand can reveal choices the person has made and what may lie ahead for them.

Palm reading and analyzing the past, present and future has been increasingly indemand

since the last decade. Needless to say that with everything going digital, a lot of platforms are trying to bring technical system for the same. No algorithm or mathematical model till now has been able to predict 100% correct future or past of a person. So every researcher is trying to add extra attributes, devising new methods and possibilities to improve this ratio. The previously stated works and other simple studies have obviously demonstrated the need to propose and create a good model for the analysis. Every new research in this field bring about a variety of possibilities to be manipulated, used or mixed with different parameters to get a new and better result.

3. LITERATURE SURVAY:

“Palmistry Using Machine Learning” by “Navneet Kumar, Pragyana, Pranay Pankaj and Rishikesh Das” in the year June 2022.

“Study and Comparison of Various Image Edge Detection Techniques” by “Dr. Raman Maini, Dr. Himanshu Aggarwal” in the year 2009.

“A Deep Learning Approach for Efficient Palm Reading” by “Suvajit Acharjee, Sirapop Nuannimnoi, Ching-Yao Huang” in the year 2020.

“A Novel Approach for Hand Analysis Using Image Processing Techniques” by “Manish Kumar Thakur, Vishwaratana Nigam, Divakar Yadav” in the year 2010.

PALMISTRY BOOKS:

| S.No. | Title | Author |
|-------|----------------------------------|-----------------------|
| 1. | Astro-Palmistry. | Mihiracharyya. |
| 2. | Palmistry for All. | Pandit Ashutosh Ojha. |
| 3. | Palmistry for All. | Cheiro. |
| 4. | Secret of the Palm in your Hand. | Richard Webster. |

4. EXISTING AND PROPOSED SYSTEM:

Existing System:

This project is an unique according to me. Before this so many people tried to implement on this palmistry. Some of them did and also still trying to add more features to it. I also tried it on separate concept. Here

before this, they were some predefined images, the user should choose similar image which will matches their palm and see the results. This was a failure project because every palm is unique. There may be chance of getting similar palm but there will be changes from one character of that person to another. That will be checked if we know everything of palmistry.

And also there are some projects which are good at predicting. But there is something called work before prediction. They should mark the lines into rectangle format and they should try to predict. This is so heavy, hence I am trying to implement a project which can predict perfectly without any external work after clicking predict button.

And we have so many projects on Astrology applications which will give the result of a person by taking their date of birth and timing of birth. Here in future I will try to implement both Astrology and Palmistry in single project, which will help to predict and compare the results and come into final decision.

Proposed System:

Here I tried to develop an project which can predict perfect result separately. Therefore I implemented on separate function/button for prediction. As we know, before there was a condition that there was no other option rather than going to the Astrologer, Palm readers. We don't know exactly whether they are saying correct or not, there they might make a scam to earn money. Hence to come out from that scam, I tried to implement a project on palmistry. And also I have some future enhancement which I wanted to implement astrology to this palmistry.

Objectives:

1. Implemented GUI for the communication between system and user.
2. Segmentation for removal of background.
3. Provides proper monitoring facility.
4. Edge detection using grayscale and tried to smoothen the lines of palm.
5. Data testing and training has been done for proper prediction.
6. The project is still on the process for more complex activities, trying to use gridding, annotation and etc.

7. User can upload their palm pic and predict their result.

8. And also trying to implement a data saving model of which we got result.

5. DATA STRUCTURE AND ALGORITHM:

Here we used Tkinter to create a GUI with a specific layout. We created buttons to interact with user to monitor, Here I used grid() for frames. There are two frames, one for loading and checking prediction through buttons and another is result observing frame.

And here I used segmentation for removing of background and highlighting the hand's palm. And I used Canny edge detection for observing the lines of palm with gray scaled technique.

Used OpenCV to read the images from the file. And also I used matplotlib to plot the Canny Edge Detection. Here mainly I used OpenCV to analyze the images color and shape, size of the hand along with the help of Tensorflow, keras.

Training and testing were done in 3 to 4 areas to predict color, size and shape of palm.

6. EXPERIMENTAL RESULTS:

This part is the one which makes sense on results for my palmistry project. It makes sense because the outcomes of the palmistry is by buttons and we need to browse the images to predict through button from file.

Finding respective reasonable datasets is the main part of every project. All the data are collected should be done mining for perfect usage.

There are so many projects on palmistry which can provide the result but this is different than all which gives result on specific topic or specific line.

Let me give you small introduction of every steps through the screens:

7. SCREENSHOTS:

SCREENSHOT 1:

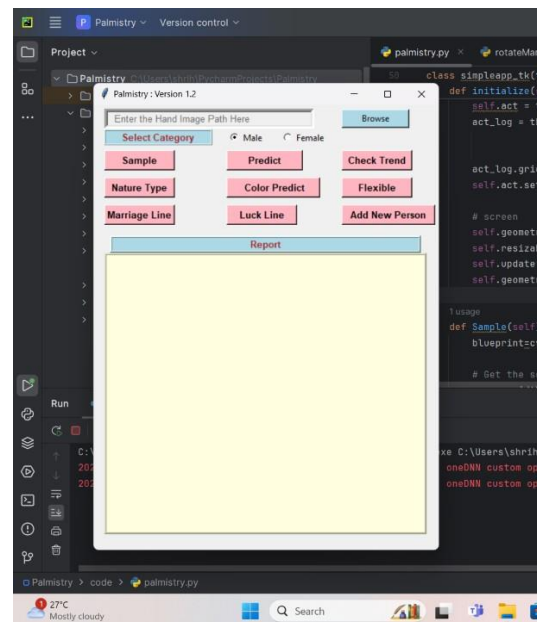


Fig – 1: GUI of Palmistry

This GUI as it names says it is an user interface to the project. Here it consists buttons for selecting the image of hand, and check button for choosing gender, and consists sample palm blueprint, and prediction buttons like nature type, color predict, flexibility, and at final we have saving button to download and share the information of person.

SCREENSHOT 2:

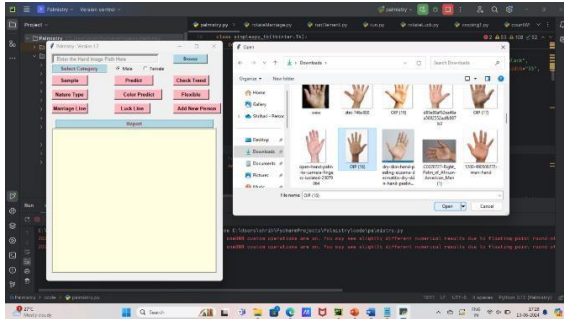


Fig – 2: Select the Image from browse button

Here we are selecting an image as I mentioned before. At first we need copy or share the palm images to the system to browse. And then after copying we need to click on browse button and we need to select the image through the file Open which we can see the path in the box.

SCREENSHOT 4:

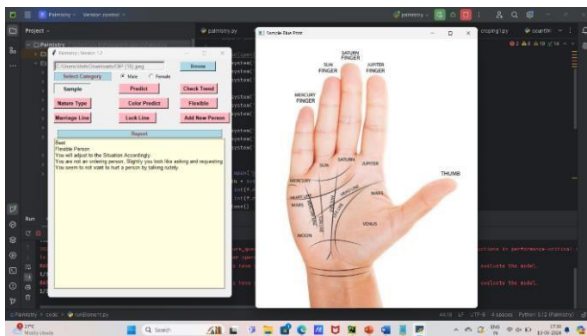


Fig – 4: Simple blueprint of Palmistry

This is the Sample or blueprint to understand the workings of palmistry. Here we can see the names of each lines and names of each mounts. Here we consists all lines but in an real-time humans may don't have every lines which we are seeing here. And also there may be changes in the position of lines into the other mounts. This will say the characters, features, behaviors of the person.

SCREENSHOT 3:

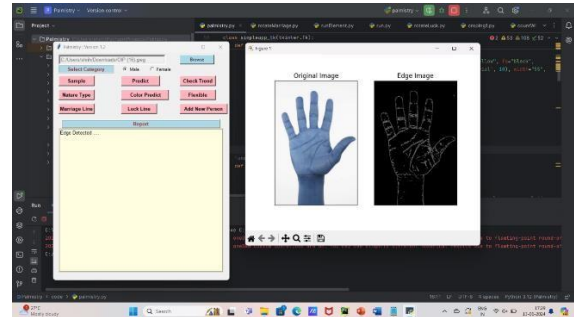


Fig - 3: Canny Edge Detection Method Applied

Canny Edge Detection is used to see every lines of palm and also in future this will helps to detect the luck factor and marriage age and number of children And also supporter or guru of life can be seen. This will help to store the gray and white lines in different list, which will make me easy to write code to detect the above mentioned characters.

SCREENSHOT 5:

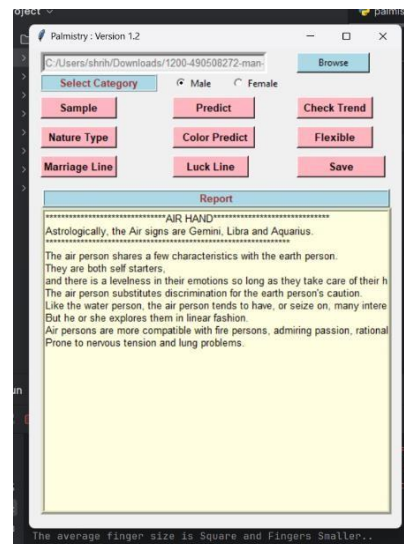


Fig – 5: Nature Type prediction

Canny Edge Detection is used to see every lines of palm and also in future this

will helps to detect the luck factor and marriage age and number of children And also supporter or guru of life can be seen.

This will help to store the gray and white lines in different list, which will make me easy to write code to detect the above mentioned characters.

SCREENSHOT 6:

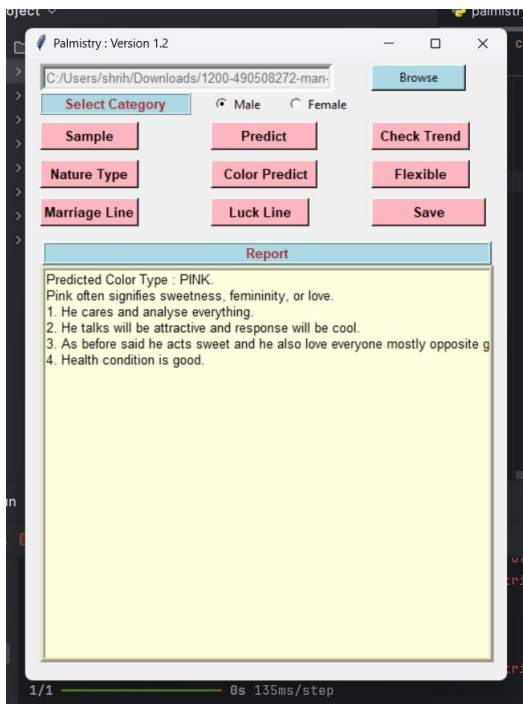


Fig – 6: Colour Prediction of Palm

Canny Edge Detection is used to see every lines of palm and also in future this will helps to detect the luck factor and marriage age and number of children And also supporter or guru of life can be seen.

This will help to store the gray and white lines in different list, which will make me easy to write code to detect the above mentioned characters.

SCREENSHOT 7:

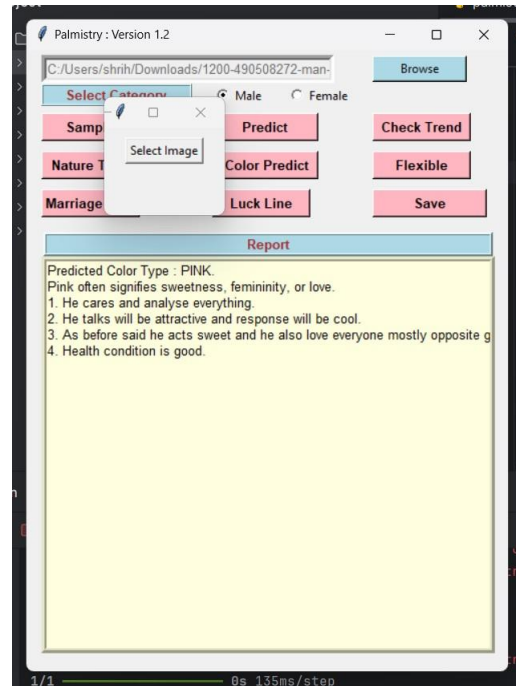


Fig – 7: Selecting Image for Flexibilityprediction

Canny Edge Detection is used to see every lines of palm and also in future this will helps to detect the luck factor and marriage age and number of children And also supporter or guru of life can be seen.

This will help to store the gray and white lines in different list, which will make me easy to write code to detect the above mentioned characters.



Fig – 8: Flexibility Bent/Curved hand



Fig – 8: Flexibility Stright/Uncurved hand

SCREENSHOT 8:

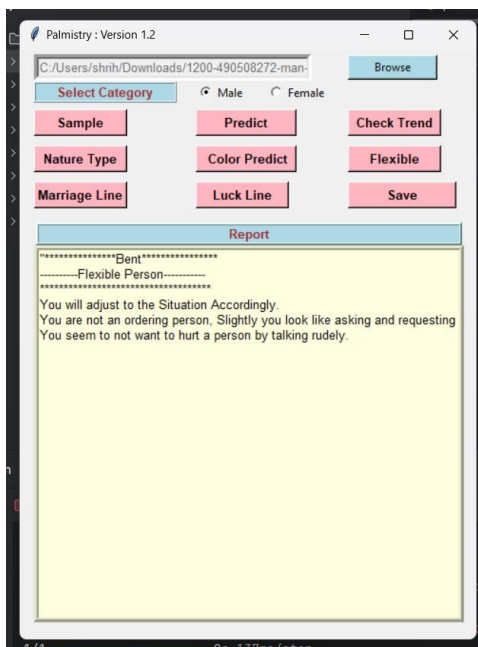


Fig – 9: Flexibility Prediction

Canny Edge Detection is used to see every lines of palm and also in future this will helps to detect the luck factor and marriage age and number of children And also supporter or guru of life can be seen.

This will help to store the gray and white lines in different list, which will make me easy to write code to detect the above mentioned characters.

SCREENSHOT:

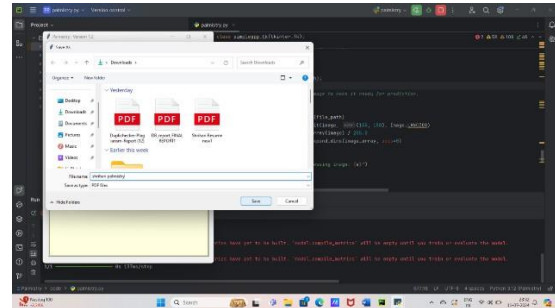


Fig – 10: Saving the pdf

Here we are saving the all the result into pdf format which helps to take a copy as both softcopy and hardcopy. Here we need to just click the save button after predicting every result and then we need to save it as we want in your name. Which will directly saves in download file.

SCREENSHOT 9:

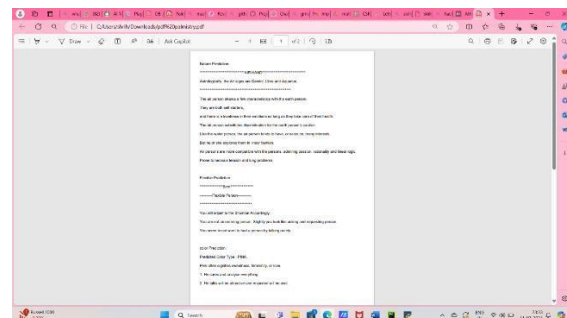


Fig - 11: Saved pdf

Here we are saving the all the result into pdf format which helps to take a copy as both softcopy and hardcopy. Here we need to just click the save button after predicting every result and then we need to save it as we want in your name. Which will directly saves in download file. This is the saved pdf which is showed in figure 10.

8. CONCLUSION:

The purpose of the project in this Postgraduation is to develop our performance skill with coding knowledge as well as understanding the codes, debugging the code and also creation of code with new ideas to implement new inventions. The inventions should be useful to society that which we can enhance the project and get profit.

Here my project is aimed to build a web application. But because of short time and no much idea about building the website. I just created a GUI Project which manages to interact with user. Here there is no data management, but the result can be saved in my files which we can use it later as hard copy.

According to my knowledge I built a project called Palmistry which can be very useful in upcoming dates by preventing the scams and fraudulent activities which are happening now a days with this concept.

9. FUTURE ENHANCEMENT:

I would like to implement more features for my project and they are as follows:

1. Willing to detect marriage age.
2. Willing to detect luck factors during ages.
3. And to detect karmas of person,
4. Detect for job specifications like business or government or etc.,
5. And also I will try to implement mounts and their characters.
6. And also some symbols which are good and bads.
7. I would like to create website on this project and planning to give access to admin and see the users activities.

8. And also I would like to create a login page with format to every user by uploading their pass-photo, Name, Email, Password, DOB, and more personal information to check his activities on that website and give access for user to take printout of their results.

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