WhatsApp Chat Analyser (Group as well as personal chat) :

Problem Statement :
The purpose of this project was sentimental as well as statistical analysis of whatsapp group and personal chat.
By analysing WhatsApp chat we can conclude behaviour of any user in the group and the relation between two users in the personal chat.

Tools and Technology Stack :
Python 3.7, Jupyter notebook, PyCharm, Exported Whatsapp Chat.
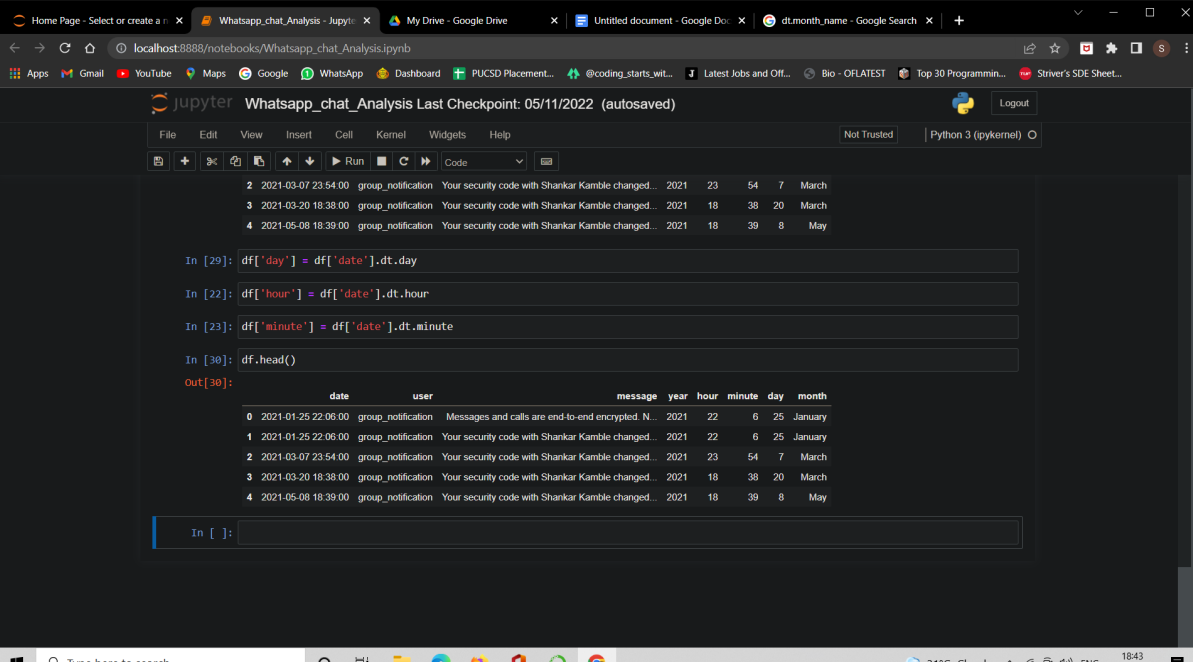
Libraries and Framework :
Streamlit, Pandas, Seaborn, Collections, matplotlib.pyplot, seaborn, emoji.

Steps to making WhatsApp Chat Analyzer :
Step 1 : Firstly we have to convert Whatsapp Chat into Pandas data Frame.
Step 2 : We have to use different libraries to analyse data which we already convert in panda data format.

Jupyter Notebook used for making whatsapp raw chat into pandas data frame :

Screenshot of different types of analysis :

Daily Timeline

Whatsapp Chat Analyzer

Choose a file

Drag and drop file here
Limit 200MB per file

Browse files

WhatsApp Chat with !!Child...
214.8KB

Show analysis wrt

Overall

Show Analysis

Activity Map

Most busy day

Most busy month

Weekly Activity Map

Friday

app · Streamlit | (24) WhatsApp | GitHub | Uber-eat-Clon | My Drive - Go | whatsapp cha | Heroku | Logir | Confirm your | signup.heroku

localhost:8501

Gmail | YouTube | Maps | Google | WhatsApp | Dashboard | PUCSD Placement... | @coding_starts_wit... | Latest Jobs and Off... | Bio - OFLATEST | Top 30 Programmin... | Striver's SDE Sheet...

Weekly Activity Map

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localhost:8501

Gmail | YouTube | Maps | Google | WhatsApp | Dashboard | PUCSD Placement... | @coding_starts_wit... | Latest Jobs and Off... | Bio - OFLATEST | Top 30 Programmin... | Striver's SDE Sheet...

Most Busy Users

	name	percent
0	Aj	18.0600
1	Vishal Thorat	18.0600
2	Shivtej S 2	14.9700
3	VS	12.9900
4	Swapnil Dhawale	9.9000
5	Harsh Borge	9.3400
6	Shoaib Shaikh	3.7500
7	Aditya Gadhave	2.4000
8	Cmn	2.3300
9	Dhanashri SSC	2.0100

Wordcloud

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Overall

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Most common words

Emoji Analysis

	0	1
0	😂	9..
1	🤣	2..
2	😁	1..
3	⬛	65
4	💯	56
5	😎	54
6	😀	51
7	👌	50
8	😂	50
9	⚠	47