Wordcloud - a visual representation (image) of word data

In [13]:
```
pip install wordcloud
```

```
Collecting wordcloud
  Downloading wordcloud-1.9.3-cp312-cp312-win_amd64.whl.metadata (3.5 kB)
Requirement already satisfied: numpy>=1.6.1 in c:\programdata\anaconda3\lib\site-pa
ckages (from wordcloud) (1.26.4)
Requirement already satisfied: pillow in c:\programdata\anaconda3\lib\site-packages
(from wordcloud) (10.3.0)
Requirement already satisfied: matplotlib in c:\programdata\anaconda3\lib\site-pack
ages (from wordcloud) (3.8.4)
Requirement already satisfied: contourpy>=1.0.1 in c:\programdata\anaconda3\lib\sit
e-packages (from matplotlib->wordcloud) (1.2.0)
Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\site-pa
ckages (from matplotlib->wordcloud) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\programdata\anaconda3\lib\si
te-packages (from matplotlib->wordcloud) (4.51.0)
Requirement already satisfied: kiwisolver>=1.3.1 in c:\programdata\anaconda3\lib\si
te-packages (from matplotlib->wordcloud) (1.4.4)
Requirement already satisfied: packaging>=20.0 in c:\programdata\anaconda3\lib\site
-packages (from matplotlib->wordcloud) (23.2)
Requirement already satisfied: pyparsing>=2.3.1 in c:\programdata\anaconda3\lib\sit
e-packages (from matplotlib->wordcloud) (3.0.9)
Requirement already satisfied: python-dateutil>=2.7 in c:\programdata\anaconda3\lib
\site-packages (from matplotlib->wordcloud) (2.9.0.post0)
Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packag
es (from python-dateutil>=2.7->matplotlib->wordcloud) (1.16.0)
Downloading wordcloud-1.9.3-cp312-cp312-win_amd64.whl (301 kB)
   ---------------------------------------- 0.0/301.4 kB ? eta -:--:--
   -------------- ------------------------- 112.6/301.4 kB 3.3 MB/s eta 0:00:01
   ---------------------------------------- 301.4/301.4 kB 3.1 MB/s eta 0:00:00
Installing collected packages: wordcloud
Successfully installed wordcloud-1.9.3
Note: you may need to restart the kernel to use updated packages.
```

In [5]:
```
# Create a list of word
text=("Python Python Python Matplotlib Matplotlib Seaborn Network Plot Violin Char
```

In [7]:
```
text
```

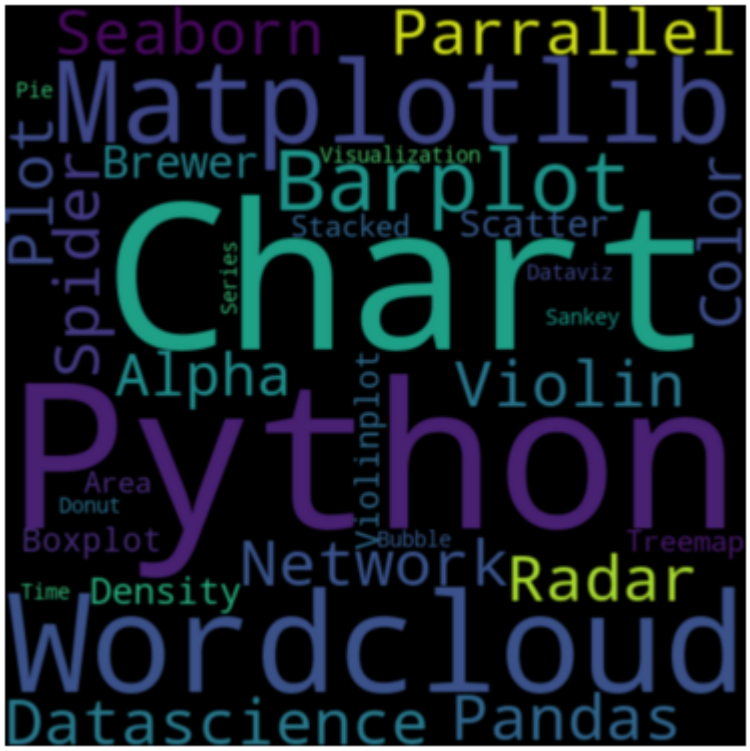
Out[7]:
```
'Python Python Python Matplotlib Matplotlib Seaborn Network Plot Violin Chart Pan
das Datascience Wordcloud Spider Radar Parrallel Alpha Color Brewer Density Scatt
er Barplot Barplot Boxplot Violinplot Treemap Stacked Area Chart Chart Visualizat
ion Dataviz Donut Pie Time-Series Wordcloud Wordcloud Sankey Bubble'
```

In [14]:
```
from wordcloud import WordCloud
import matplotlib.pyplot as plt
```

In [16]:
```
# Create the wordcloud object
wordcloud = WordCloud(width=480, height=480, margin=0).generate(text)
```

In [19]:
```
# Display the generated image:
plt.imshow(wordcloud, interpolation='bicubic')
```

```
plt.axis("off")
plt.margins(x=0, y=0)
plt.show()
```



In [23]:
```
text1=("vivek vivek pandu pavan deekshith pandu vivek vyshnav rohith sukumar pavar
```

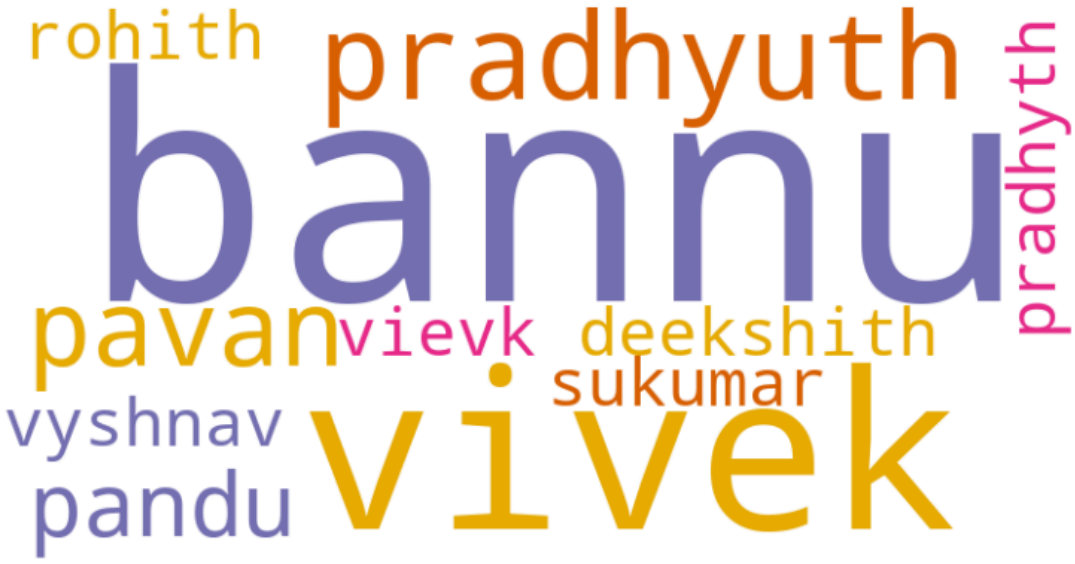
In [25]:
```
text1
```

Out[25]:
```
'vivek vivek pandu pavan deekshith pandu vivek vyshnav rohith sukumar pavan vivek
pradhyth bannu bannu bannu bannu bannu bannu bannu bannu bannu pavan vievk pradhy
uth pradhyuth pradhyuth pradhyuth bannu'
```

In [27]:
```
# Create the wordcloud object
wordcloud = WordCloud(width=480, height=480, margin=0).generate(text1)
```

In [37]:
```
wordcloud = WordCloud(width=800, height=400, background_color="white", colormap="D

# Display the generated word cloud
plt.figure(figsize=(10, 5))
plt.imshow(wordcloud, interpolation="bilinear")
plt.axis("off")
plt.show()
```



In [41]:
```
text2=("Bannu")
```

In [43]:
```
text2
```

Out[43]: 'Bannu'

In [54]:
```
wordcloud = WordCloud(width=800, height=400, background_color="white", colormap="D

# Display the generated word cloud
plt.figure(figsize=(10, 5))
plt.imshow(wordcloud, interpolation="bilinear")
plt.axis("off")
plt.show()
```

In [ ]:

In [ ]: