Wordcloud - a visual representation(image) of word data

In [1]:
```
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:\users\arati\anaconda3\lib\site-
packages (from wordcloud) (1.26.4)
Requirement already satisfied: pillow in c:\users\arati\anaconda3\lib\site-packag
es (from wordcloud) (10.3.0)
Requirement already satisfied: matplotlib in c:\users\arati\anaconda3\lib\site-pa
ckages (from wordcloud) (3.8.4)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\arati\anaconda3\lib\s
ite-packages (from matplotlib->wordcloud) (1.2.0)
Requirement already satisfied: cycler>=0.10 in c:\users\arati\anaconda3\lib\site-
packages (from matplotlib->wordcloud) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\arati\anaconda3\lib
\site-packages (from matplotlib->wordcloud) (4.51.0)
Requirement already satisfied: kiwisolver>=1.3.1 in c:\users\arati\anaconda3\lib
\site-packages (from matplotlib->wordcloud) (1.4.4)
Requirement already satisfied: packaging>=20.0 in c:\users\arati\anaconda3\lib\si
te-packages (from matplotlib->wordcloud) (23.2)
Requirement already satisfied: pyparsing>=2.3.1 in c:\users\arati\anaconda3\lib\s
ite-packages (from matplotlib->wordcloud) (3.0.9)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\arati\anaconda3\l
ib\site-packages (from matplotlib->wordcloud) (2.9.0.post0)
Requirement already satisfied: six>=1.5 in c:\users\arati\anaconda3\lib\site-pack
ages (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 -:--:--
   - -------------------------------------- 10.2/301.4 kB ? eta -:--:--
   ---------- ----------------------------- 81.9/301.4 kB 919.0 kB/s eta 0:00:01
   -------------- ------------------------- 112.6/301.4 kB 930.9 kB/s eta 0:00:01
   ---------------------------------- ------ 256.0/301.4 kB 1.4 MB/s eta 0:00:01
   ---------------------------------------  297.0/301.4 kB 1.4 MB/s eta 0:00:01
   ---------------------------------------- 301.4/301.4 kB 1.2 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 [9]:
```
#create a list of word
text=("Python PythonPython Python Python Python Python Python Matplotlib  Matplo
```

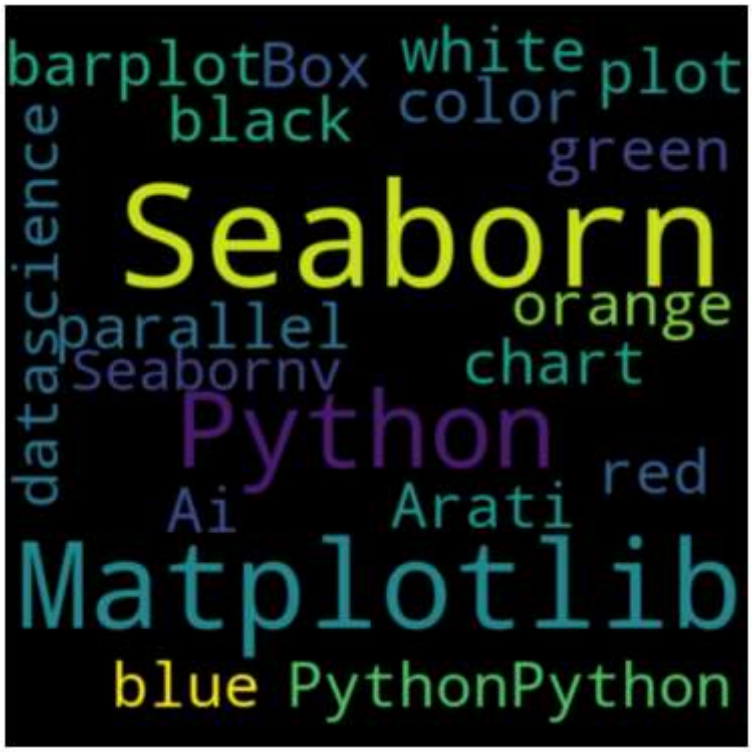
In [10]:
```
text
```

Out[10]:
```
'Python PythonPython Python Python Python Python Python Matplotlib  Matplotlib
Matplotlib  Matplotlib Matplotlib  Matplotlib  Matplotlib  Matplotlib Seaborn
Seaborn Seaborn Seaborn Seaborn chart barplot Arati parallel color blue black white red
green orange datascience Ai Box plot Seaborn Seaborn Seabornv Seaborn Seaborn S
eaborn'
```

In [11]:
```
from wordcloud import WordCloud
import matplotlib.pyplot as plt
```

In [12]:
```
# Create the wordcloud object
wordcloud = WordCloud(width=480, height=480, margin=0).generate(text)
```

In [13]:
```
# Display the generated image:
plt.imshow(wordcloud, interpolation='bicubic')
plt.axis("off")
plt.margins(x=0, y=0)
plt.show()
```



In [18]:
```
text1=("Arati Datascience Smruti Mernstack smit asha puja niherika sujit debasis
```

In [19]:
```
text1
```

Out[19]:
```
'Arati Datascience Smruti Mernstack smit asha puja niherika sujit debasis Alok
Shivaji Sandeep Mahesh Full Stack Python'
```

In [20]:
```
# Create the wordcloud object
wordcloud = WordCloud(width=480, height=480, margin=0).generate(text1)
```

In [21]:
```
wordcloud = WordCloud(width=800, height=400, background_color="white", colormap=
# Display the generated word cloud
plt.figure(figsize=(10, 5))
plt.imshow(wordcloud, interpolation="bilinear")
plt.axis("off")
plt.show()
```

In [22]:
```
text2=("ARATI")
```

In [23]:
```
text2
```

Out[23]:
```
'ARATI'
```

In [26]:
```
wordcloud = WordCloud(width=800, height=400,colormap="Dark2",).generate(text2)

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

In [ ]: