WordCloud

```python
import nltk
from nltk.corpus import stopwords
from wordcloud import WordCloud
import matplotlib.pyplot as plt
```

In [3]:
```python
nltk.download('stopwords')
```

```
[nltk_data] Downloading package stopwords to
[nltk_data]     C:\Users\2020s\AppData\Roaming\nltk_data...
[nltk_data]   Package stopwords is already up-to-date!
```

Out[3]: True

In [11]:
```python
text = ''' Two roads diverged in a yellow wood,
And sorry I could not travel both
And be one traveler, long I stood
And looked down one as far as I could
To where it bent in the undergrowth;

Then took the other, as just as fair,
And having perhaps the better claim,
Because it was grassy and wanted wear;
Though as for that the passing there
Had worn them really about the same,

And both that morning equally lay
In leaves no step had trodden black.
Oh, I kept the first for another day!
Yet knowing how way leads on to way,
I doubted if I should ever come back.

I shall be telling this with a sigh
Somewhere ages and ages hence:
Two roads diverged in a wood, and I—
I took the one less traveled by,
And that has made all the difference.
'''

words = nltk.word_tokenize(text)
filtered_words = [word for word in words if word.lower() not in stopwords.words('english')]

text = ' '.join(filtered_words)
wordcloud = WordCloud(width=800, height=400, background_color='white').generate(text)
```
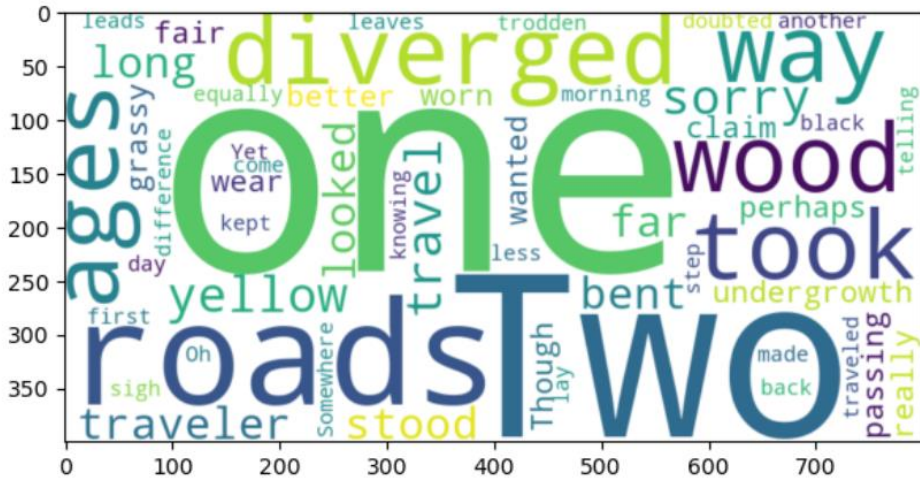
```
In [17]: plt.figure(figsize=(7, 8))
         plt.imshow(wordcloud, interpolation='bilinear')
         plt.axis('on')   # Hide the axis
         plt.show()
```

https://github.com/Shreyaww/Sem7_NLP