Program:

```
from nltk.corpus import stopwords
from nltk.corpus import words
def tokenize(s):
  #split by white text
  space_split = list(s.split())
  #dealing with punctuations
  punctuation = [',', '.', '!', '?']
  tokens=[]
  for i in space_split:
     f=0
     for j in punctuation:
        if j in i:
          tokens.append(i.replace(j, "))
          tokens.append(j)
          f=1
     if f==0:
        tokens.append(i)
  #dealing with 'm and 's
  tokens2 = []
  for i in tokens:
     if '\'s' in i:
        tokens2.append(i.replace('\'s', "))
        tokens2.append('\'s')
     elif '\'m' in i:
        tokens2.append(i.replace('\'m', "))
        tokens2.append('am')
     else:
        tokens2.append(i)
  for i in tokens:
     if '-' in i:
        a,b = i.split('-',1)
        tokens2.append(a)
        tokens2.append('-')
        tokens2.append(b)
  return tokens2
def remove_stop_words(a):
  stop_words = set(stopwords.words('english'))
```

```
b = [w for w in a if w not in stop_words]
return b

def filter(s):
    b=[]
    for i in s:
        if i in words.words():
            b.append(i)
    return b

with open('text.txt', 'r+') as f:
    data=f.read()
print("Text:","\n",data)
tokens = tokenize(data)
print("\nTokens: ",tokens)

filtered_words = filter(tokens)
print("\n\nFiltered Words: ", filtered_words)
```

Output:

Text:

This is a sample sentence, showing off the stop words filtration.

I'm rey's friend. I worked hard.

Khana khaya kya

Python is a high-level, interpreted, interactive and object-oriented scripting language. Python is designed to be highly readable. It uses English keywords frequently where as other languages use punctuation.

Tokens: ['This', 'is', 'a', 'sample', 'sentence', ',', 'showing', 'off', 'the', 'stop', 'words', 'filtration', '.', 'l', 'am', 'rey', "'s", 'friend', '.', 'l', 'worked', 'hard', '.', 'Khana', 'khaya', 'kya', 'Python', 'is', 'a', 'high-level', ',', 'interpreted', ',', 'interactive', 'and', 'object-oriented', 'scripting', 'language', '.', 'Python', 'is', 'designed', 'to', 'be', 'highly', 'readable', '.', 'lt', 'uses', 'English', 'keywords', 'frequently', 'where', 'as', 'other', 'languages', 'use', 'punctuation', '.', 'high', '-', 'level', 'object', '-', 'oriented']

Filtered Words: ['is', 'a', 'sample', 'sentence', 'showing', 'off', 'the', 'stop', 'filtration', 'I', 'am', 'friend', 'I', 'worked', 'hard', 'is', 'a', 'interactive', 'and', 'language', 'is', 'designed', 'to', 'be', 'highly', 'readable', 'English', 'frequently', 'where', 'as', 'other', 'use', 'punctuation', 'high', 'level', 'object']