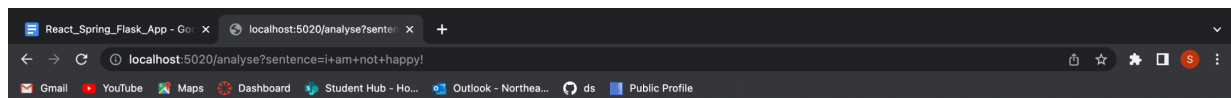**Python Microservice serving on Flask on port 5020**


```
~/Desktop/DevOps/Lecture3/Lab/PythonProject/hello_flask/sa-logic/sa — Python sentiment_analysis.py                          /opt — -zsh

sriha@MacBook-Air sa % python3 sentiment_analysis.py
 * Serving Flask app 'sentiment_analysis'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5020
 * Running on http://10.0.0.90:5020
Press CTRL+C to quit
127.0.0.1 - - [03/Oct/2022 12:08:37] "GET /analyse?sentence=i+am+not+happy! HTTP/1.1" 200 -
127.0.0.1 - - [03/Oct/2022 12:08:37] "GET /favicon.ico HTTP/1.1" 404 -
```

Response of Python Microservice serving on Flask on port 5020

-0.5

Spring Boot Microservice serving on port 3068

Response of Spring Boot Microservice serving on port 3068

nginx.conf

Air/Lab/PythonProject/hello_flask/sa-logic/sa — Python sentiment_analysis.py | ~ — -zsh | /opt/homebrew/etc/nginx — -zsh

```
sriha@MacBook-Air nginx % cat nginx.conf

#user  nobody;
worker_processes  1;

#error_log  logs/error.log;
#error_log  logs/error.log  notice;
#error_log  logs/error.log  info;

#pid        logs/nginx.pid;

events {
    worker_connections  1024;
}

http {
    include       mime.types;
    default_type  application/octet-stream;

    #log_format  main  '$remote_addr - $remote_user [$time_local] "$request" '
    #                  '$status $body_bytes_sent "$http_referer" '
    #                  '"$http_user_agent" "$http_x_forwarded_for"';

    #access_log  logs/access.log  main;

    sendfile        on;
    #tcp_nopush     on;

    #keepalive_timeout  0;
    keepalive_timeout  65;

    #gzip  on;

    server {
        listen       3769;
        server_name  localhost;

        #charset koi8-r;

        #access_log  logs/host.access.log  main;

        location / {
            root   html;
            index  index.html index.htm;
        }

        #error_page  404              /404.html;

        # redirect server error pages to the static page /50x.html
        #
        error_page   500 502 503 504  /50x.html;
        location = /50x.html {
            root   html;
        }

        # proxy the PHP scripts to Apache listening on 127.0.0.1:80
        #
        #location ~ \.php$ {
        #    proxy_pass   http://127.0.0.1;
```
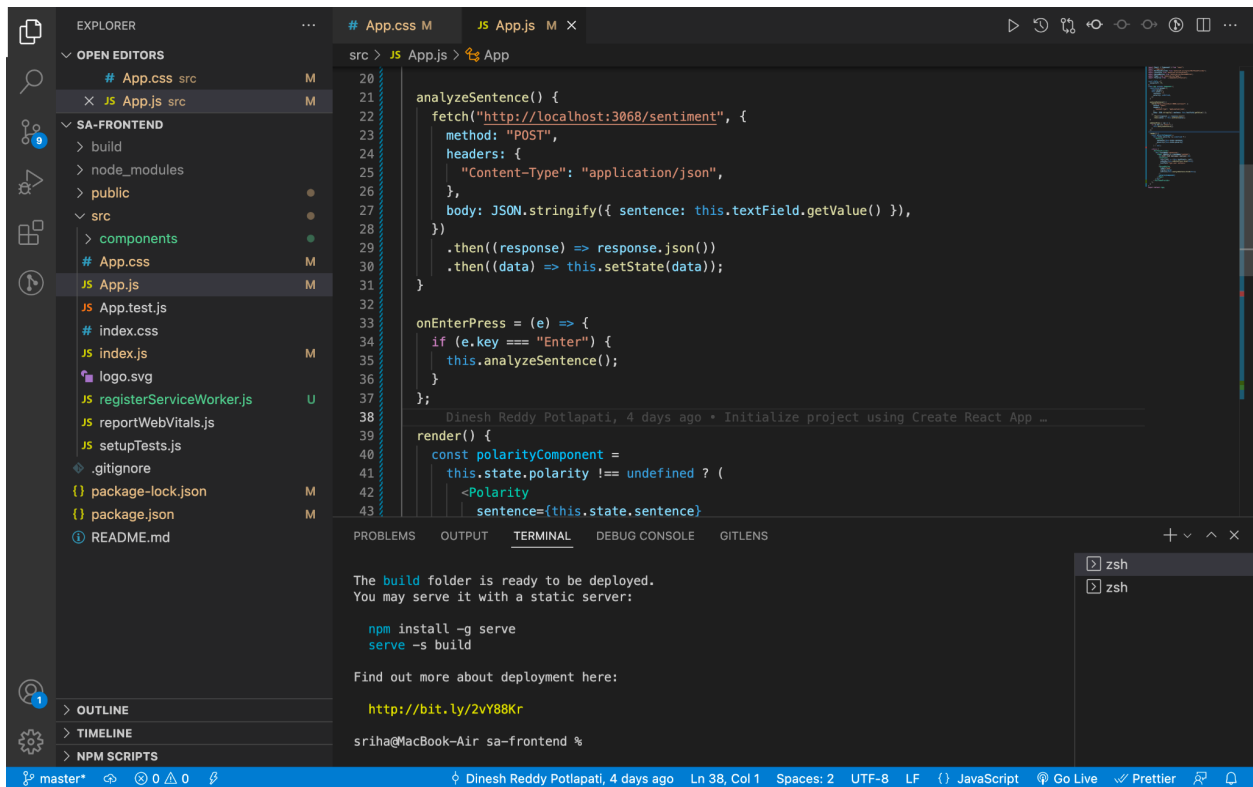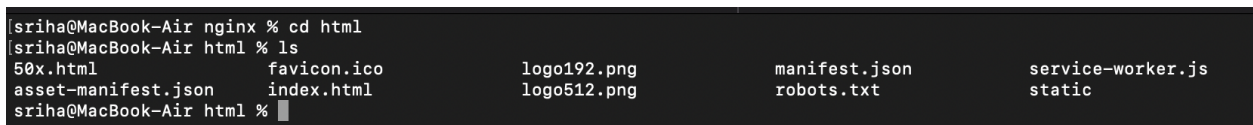
Nginx server running on port 3769

```
[sriha@MacBook-Air ~ % nginx
 sriha@MacBook-Air ~ %
```
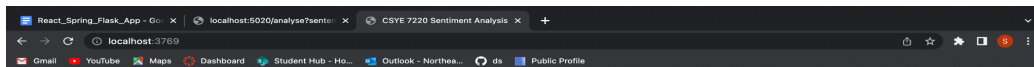
React App successful build

Adding React App Build folder contents to nginx server html folder

```
[sriha@MacBook-Air nginx % cd html
[sriha@MacBook-Air html % ls
50x.html                favicon.ico        logo192.png        manifest.json      service-worker.js
asset-manifest.json     index.html         logo512.png        robots.txt         static
sriha@MacBook-Air html %
```

Serving React -> SpringBoot -> Flask Microservice App on Nginx server port 3769

CSYE 7220 Sentiment Analyser

DevOps is amazing   SEND

"DevOps is amazing" has polarity of 0.6