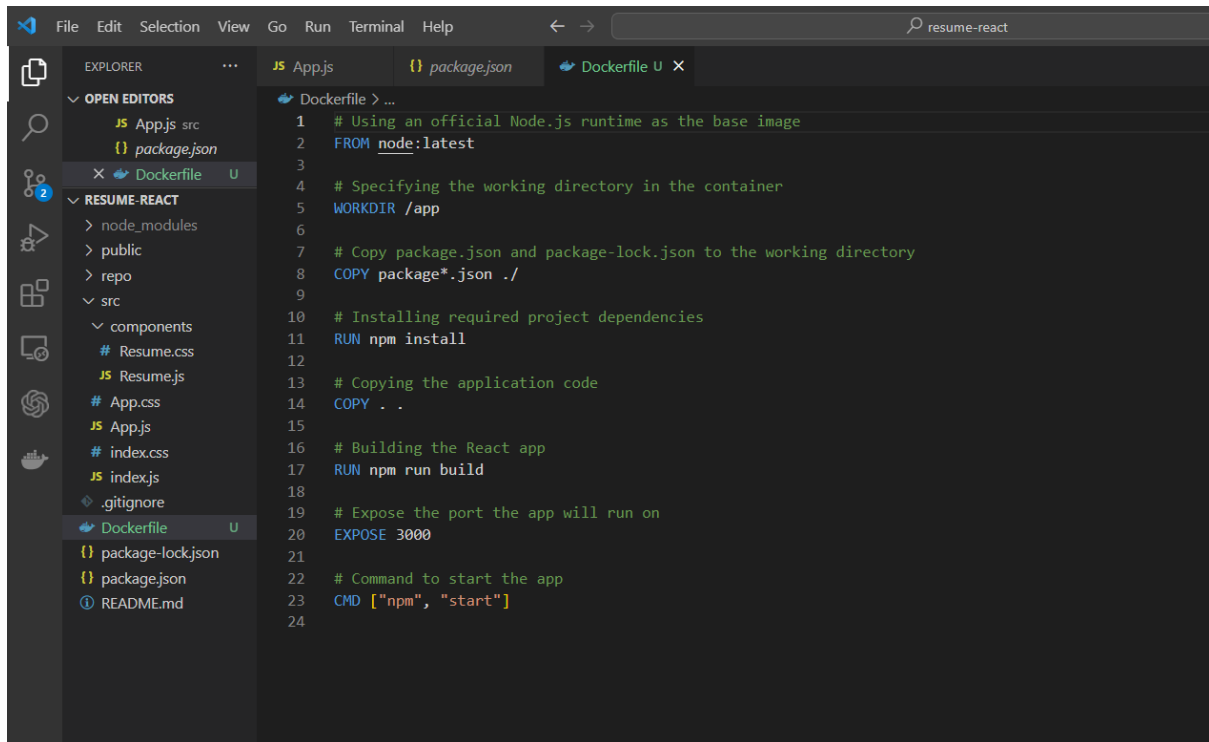


## Build React App using Dockerfile and Running it in Container

Creating Dockerfile:



***docker build -t my-react-app .***

(Building an image using Dockerfile present in the root directory of the react project) :

```
C:\Windows\System32\cmd.e X + v
C:\Users\agasty\OneDrive\Desktop\resume-react>docker build -t my-react-app .
[+] Building 767.2s (12/12) FINISHED
=> [internal] load build definition from Dockerfile 0.2s
=> => transferring dockerfile: 547B 0.1s
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.1s
=> [internal] load metadata for docker.io/library/node:latest 4.1s
=> [auth] library/node:pull token for registry-1.docker.io 0.0s
=> [internal] load build context 275.5s
=> => transferring context: 307.21MB 273.4s
=> [1/6] FROM docker.io/library/node:latest@sha256:14bd39208dbc0eb171cbfb26ccb9ac09falb2eba04ccd528ab5d12983fd 256.6s
=> => resolve docker.io/library/node:latest@sha256:14bd39208dbc0eb171cbfb26ccb9ac09falb2eba04ccd528ab5d12983fd9e 0.0s
=> => sha256:14bd39208dbc0eb171cbfb26ccb9ac09falb2eba04ccd528ab5d12983fd9e24 1.21kB / 1.21kB 0.0s
=> => sha256:c2ed73be34c27a42bd2021c7fddf1a92999fb171f2e1d54bd4b461d9344eeb2 2.00kB / 2.00kB 0.0s
=> => sha256:af422ffafa375d61489fe13b087056209270873c7a1afbe1b3fe1b746fd0c057 7.29kB / 7.29kB 0.0s
=> => sha256:012c0b3e998c1a0c0bedcf712eaaafb188580529dd026a04aalc13fdb39e42b 49.56MB / 49.56MB 18.9s
=> => sha256:9f13f5a53d118643c1f1ff294867c09f224d00edca21f56caa71c2321f8ca004 64.11MB / 64.11MB 33.6s
=> => sha256:00046d1e755ea94fa55a708ca9a10597e4fac7c47be19d970a359b0267a51fbf 24.03MB / 24.03MB 11.2s
=> => sha256:e13e76ad6279c3d69aa6842a935288c7db66878ec3b7815edd3bb34647bd7ed0 210.99MB / 210.99MB 68.6s
=> => sha256:95103e803d28f894cd63cb26fd3ace3211c34974f1584c71a37a9251dfcbbab9 3.37kB / 3.37kB 20.2s
=> => sha256:2138282ff17551198f99afebe809b4f28bc66a4a19af3b784e65178c5c68e4f3 47.65MB / 47.65MB 43.2s
=> => extracting sha256:012c0b3e998c1a0c0bedcf712eaaafb188580529dd026a04aalc13fdb39e42b 30.2s
=> => sha256:4f9fde731574939c64561fa4e22c377a102fe63ddb1fc9faa5737ad072389ed9 2.28MB / 2.28MB 36.6s
=> => sha256:562365e2a70fdcf7b3a25c08f616c524bd0b4cedb932c1d9477f0c15aa9839e2 451B / 451B 37.1s
=> => extracting sha256:00046d1e755ea94fa55a708ca9a10597e4fac7c47be19d970a359b0267a51fbf 11.7s
=> => sha256:9f13f5a53d118643c1f1ff294867c09f224d00edca21f56caa71c2321f8ca004 39.0s
=> => extracting sha256:e13e76ad6279c3d69aa6842a935288c7db66878ec3b7815edd3bb34647bd7ed0 103.2s
=> => extracting sha256:95103e803d28f894cd63cb26fd3ace3211c34974f1584c71a37a9251dfcbbab9 0.1s
=> => extracting sha256:2138282ff17551198f99afebe809b4f28bc66a4a19af3b784e65178c5c68e4f3 23.6s
=> => extracting sha256:4f9fde731574939c64561fa4e22c377a102fe63ddb1fc9faa5737ad072389ed9 4.3s
=> => extracting sha256:562365e2a70fdcf7b3a25c08f616c524bd0b4cedb932c1d9477f0c15aa9839e2 0.0s
=> [2/6] WORKDIR /app 0.6s
=> [3/6] COPY package*.json ./ 4.5s
=> [4/6] RUN npm install 137.2s
=> [5/6] COPY . . 280.6s
=> [6/6] RUN npm run build 31.7s
=> exporting to image 32.4s
=> => exporting layers 32.3s
=> => writing image sha256:92227b79db171aa7a7a2e6902416b9ac9de071573232f448b5ab37c9bc8e9fdad 0.0s
=> => naming to docker.io/library/my-react-app 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\agasty\OneDrive\Desktop\resume-react>docker run -d -p 3000:3000 my-react-app
132c273134efb9444bbb82fcbcc6a0b9c069aec8df2d7cf5d164cb88df4a9a84
```

***docker run -d -p 3000:3000 my-react-app***

(Running a container from the image created in the previous step and mapping port 3000 of the localhost to port 3000 of the container):

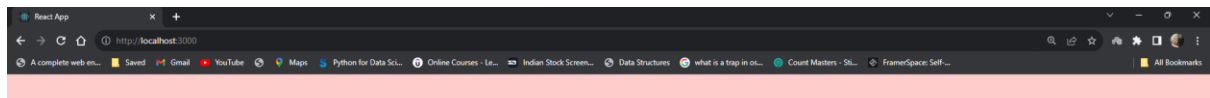
```
C:\Users\agasty\OneDrive\Desktop\resume-react>docker run -d -p 3000:3000 my-react-app
132c273134efb9444bbb82fcbcc6a0b9c069aec8df2d7cf5d164cb88df4a9a84
```

## ***docker container ls***

(Container is up and running with ports mapped as specified):

```
C:\Users\agastya\OneDrive\Desktop\resume-react>docker container ls
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
132c273134ef   my-react-app   "docker-entrypoint.s..." 10 seconds ago Up 6 seconds   0.0.0.0:3000->3000/tcp            friendly_almeida
d3a3f9ddb10    ubuntu         "/bin/bash"              13 minutes ago Up 12 minutes                               cool_chatelet
```

Checking port 3000 of localhost to test if the app is working and deployed:



## **Resume**

### **Emily**

#### Interests

- Drawing
- Photography
- Design
- Programming
- CS

#### Skills

- Web Design with HTML & CSS

#### Education

- Wilton High School
- Silvermine School of arts
- Codecademy

#### Experience

- Wilton High School District
- Babysitter

#### Extracurriculars

- Recycling Club
- Gardening club
- Book Club