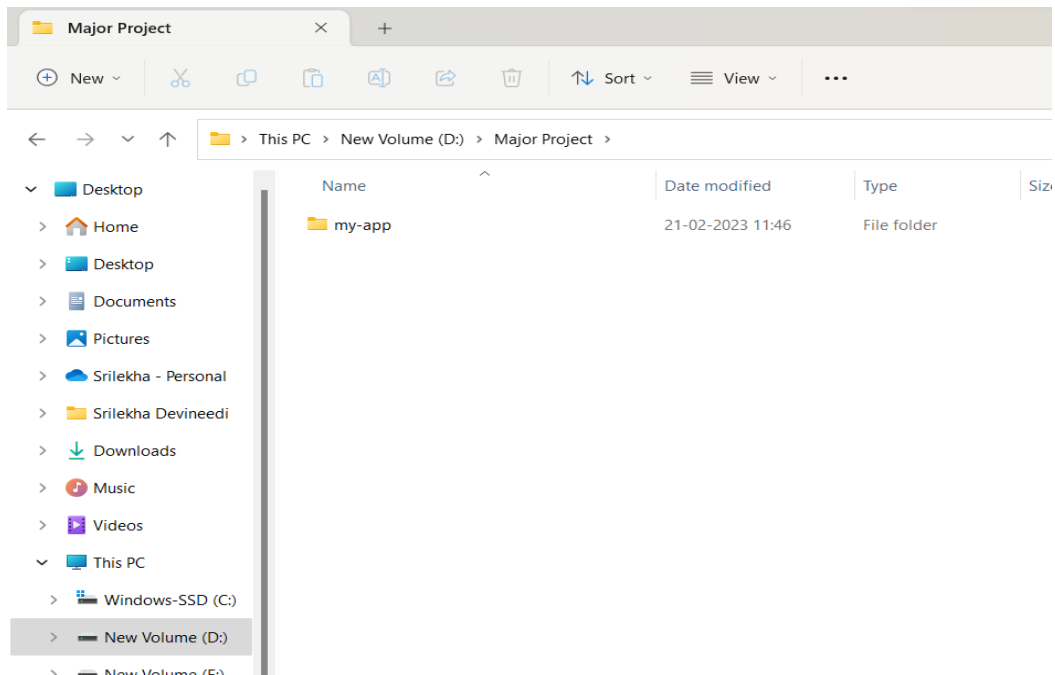
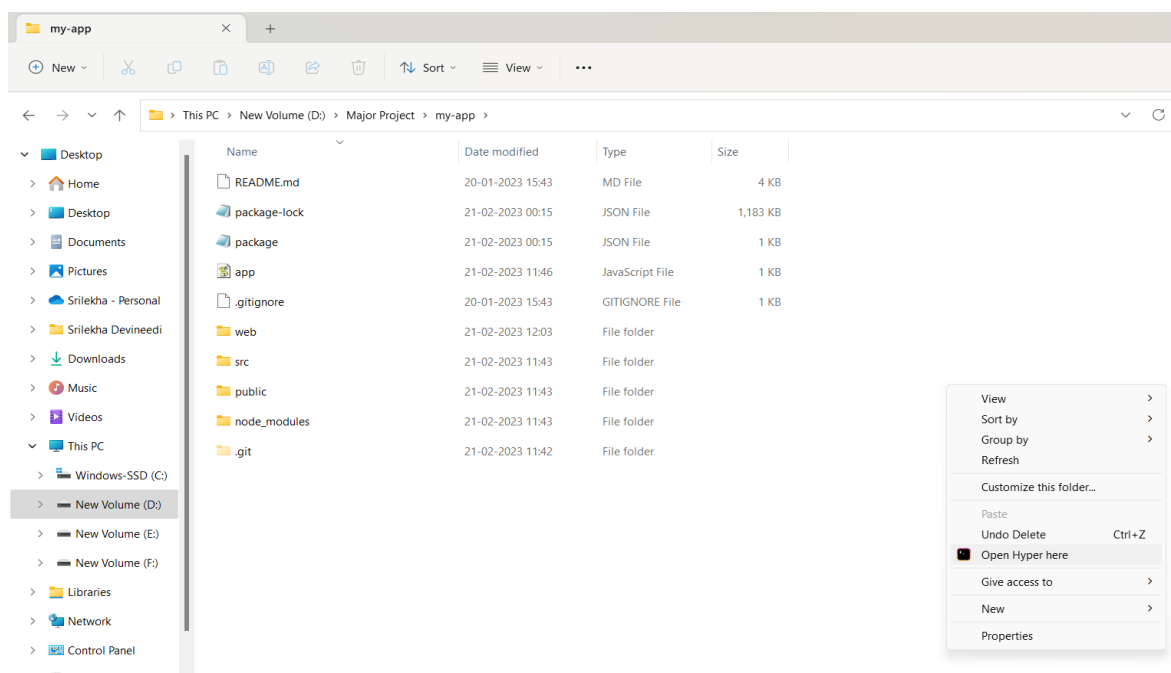


# 1. EXECUTION PROCEDURE

**STEP 1:** Open my-app folder where all the react files are stored, we can use command prompt or hyper terminal to run the react files. Upon opening the hyper terminal then enter the command **npm start**.



**Fig 1.1 my-app folder path**



**Fig 1.1 files in my-app folder**

```
MINGW64/d/Major Project/my-app
Srilekha@SrilekhaDevineedi MINGW64 /d/Major Project/my-app (master)
$ npm start
```

**Fig 1.1 hyper terminal to start the execution**

The command **npm start** refers to process the react files and to open the website

**STEP 2:** After the processing and initializing of react files the website opens with successful compilation, if the website is unable to open then we can open the website through the link provided in the hyper terminal when compiled.

```
Windows PowerShell

Compiled successfully!

You can now view my-app in the browser.

  Local:      http://localhost:3000
  On Your Network: http://192.168.0.10:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

**Fig 1.1 compiling webpage**



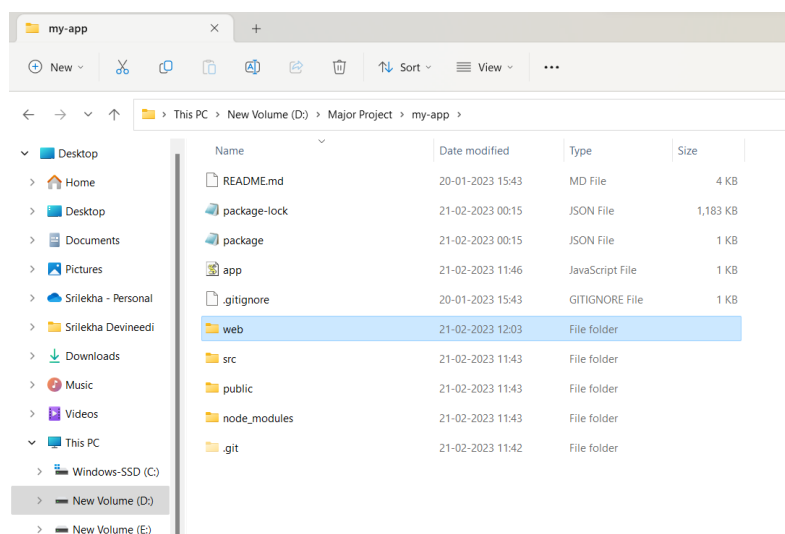
**Fig 1.1 frontend code webpage**

The above website is the interface where the user provides the inputs, now to retrieve the information that user gave, we need to start the backend server.

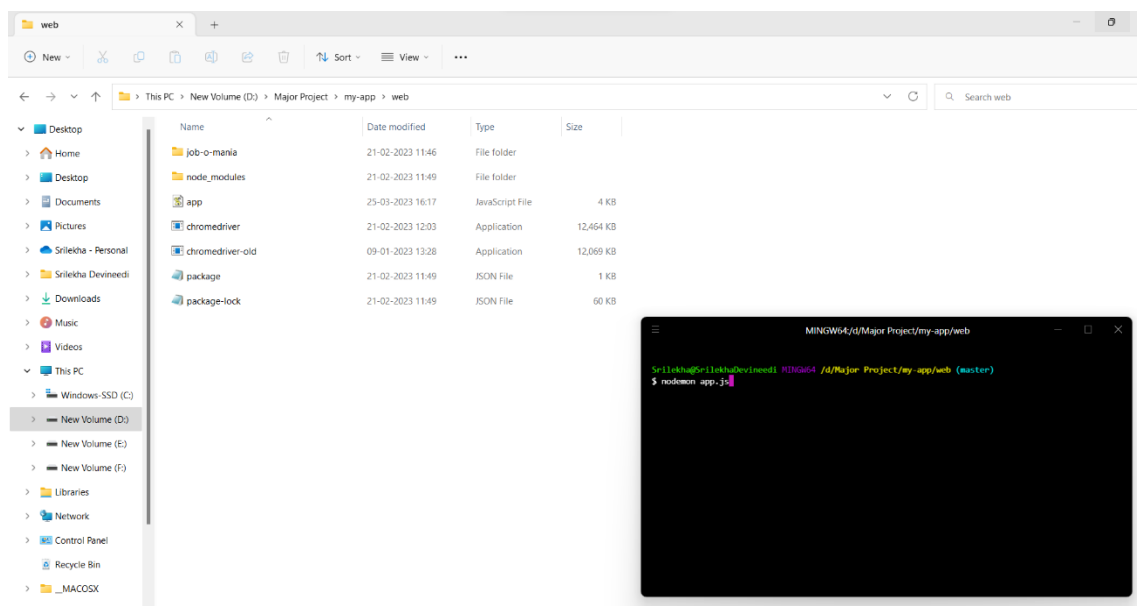
**STEP 3:** To run the backend code we need to open another hyper terminal at the location where the backend code resides.

my app -> web -> app.js

**STEP 4:** Enter the command **nodemon app.js** in the terminal, we use nodemon because the server gets restarted as soon as we make a change in the code and there is no need for the developer to restart it all the time.



**Fig 1.1 web folder in my-app**



**Fig 1.1 hyper terminal in web folder**

```
MINGW64:/d/Major Project/my-app/web

Srilekha@SrilekhaDevineedi MINGW64 /d/Major Project/my-app/web (master)
$ nodemon app.js
[nodemon] 2.0.15
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node app.js`
Listening at http://localhost:4000

DevTools listening on ws://127.0.0.1:61682/devtools/browser/35d071b6-0884-49f2-8481-466496bf45ae
[22060:28556:0325/163506.346:ERROR:device_event_log_impl.cc(222)] [16:35:06.346] USB: usb_device
_handle_win.cc:1046 Failed to read descriptor from node connection: A device attached to the sys
tem is not functioning. (0x1F)
[22060:28556:0325/163506.347:ERROR:device_event_log_impl.cc(222)] [16:35:06.347] USB: usb_device
_handle_win.cc:1046 Failed to read descriptor from node connection: A device attached to the sys
tem is not functioning. (0x1F)
```

**Fig 1.1 server getting started**

**STEP 5:** After the backend server gets started, the user gives the inputs through the website.

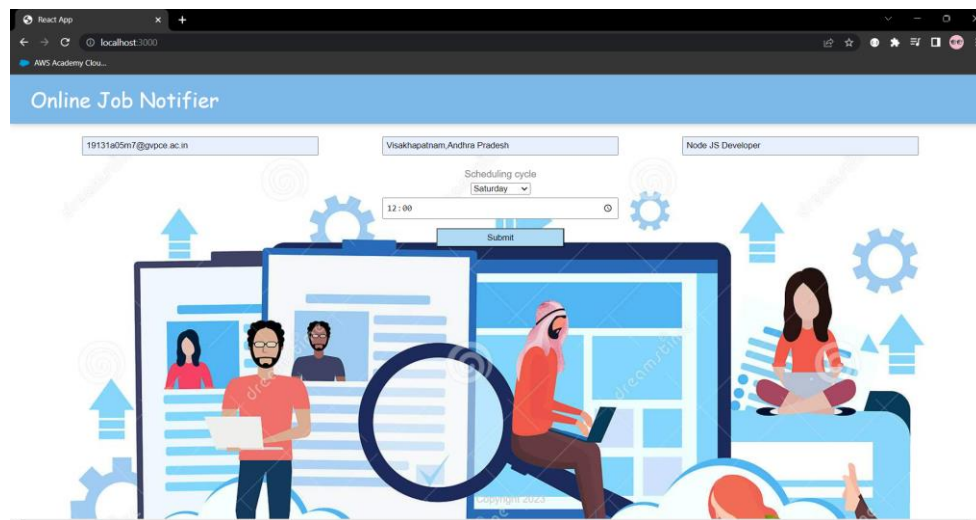


**Fig 1.1 backend webpage**

**STEP 6:** User should enter the details by giving their email, preferred location, and preferred job role according to their skills. If user left any input empty, then there will be a alert displayed stating “fill all the details”.

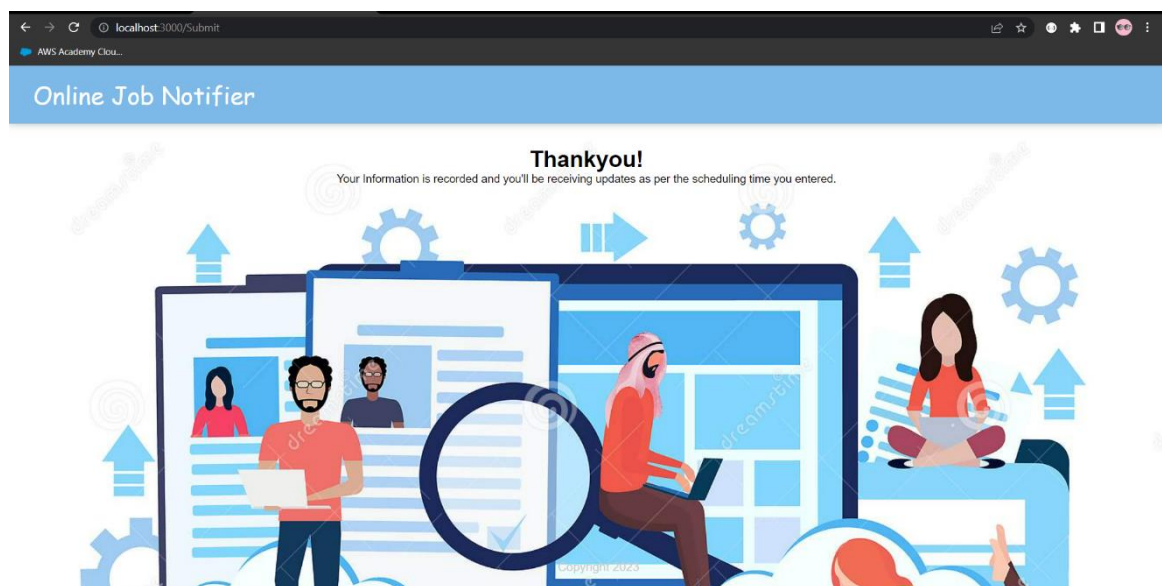
User can schedule the time cycle to get the notification regarding the job vacancies. Here cron-job scheduler is used to schedule tasks to run on the server to complete repetitive tasks automatically. Where the cron-job takes 6 inputs like seconds, minutes, hours, day of month, month, day of week.

In our project we have mentioned week wise scheduling, and also preferred time to the user to get notifications.



**Fig 1.1 backend webpage**

**STEP 7:** After filling the details it renders to submit page that the details of the user are recorded and will receive updates as per the scheduling time the user has entered .



**Fig 1.1 submit page**

**STEP 8:** Now we can check in the backend terminal whether the mail is sent or not to the user. The inputs given by the user will be displayed in the terminal and also the information regarding the job vacancies will also be displayed in the terminal and at last the user mail to which the notification has to be sent will be shown and if the notification is sent then in the terminal, it updates that it is sent to the user as shown below.

```

MINGW64/d/Major Project/my-app/web

Srilekha@SrilekhaDevineedi MINGW64 /d/Major Project/my-app/web (master)
$ nodemon app.js
[nodemon] 2.0.15
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node app.js`
Listening at http://localhost:4000

DevTools listening on ws://127.0.0.1:61682/devtools/browser/35d071b6-0884-49f2-8481-466496bf45ae
[22060:28556:0325/163506.346:ERROR:device_event_log_impl.cc(222)] [16:35:06.346] USB: usb_device
_handle_win.cc:1046 Failed to read descriptor from node connection: A device attached to the sys
tem is not functioning. (0x1F)
[22060:28556:0325/163506.347:ERROR:device_event_log_impl.cc(222)] [16:35:06.347] USB: usb_device
_handle_win.cc:1046 Failed to read descriptor from node connection: A device attached to the sys
tem is not functioning. (0x1F)
19131a05m7@gvpce.ac.in Visakhapatnam,Andhra Pradesh Node JS Developer 12:00 saturday
[ '12', '00' ]
Url: https://in.indeed.com/jobs?q=Node JS Developer&l=Visakhapatnam,Andhra Pradesh&from=searchOn
HP
{
  jobs: [
    {
      title: 'NODE JS Developer',
      company: 'Webwinsome',
      location: 'Visakhapatnam, Andhra Pradesh',
      description: 'You should be able to develop RESTful web services using Node.js and MEAN St
ack.\n' +
        ' 3+ year of experience in writing scalable web architecture.',
      link: 'https://in.indeed.com/rc/clk?jk=abfa9f73b3b4bfb98fccid=2c4865426668a750&vjs=3'
    },
    {
      title: 'React.js/node.js Developer',
      company: 'Soft Script Solutions',
      location: 'Visakhapatnam, Andhra Pradesh',
      description: 'Experience with any modern framework (React, Vue, Node).\n' +
        '  Experience with ReactJS and React-Native.\n' +
        '  Good understanding of layouts and SASS.',
      link: 'https://in.indeed.com/rc/clk?jk=6eaf08df6131ae6d&fccid=9fa4dd899b3826a4&vjs=3'
    },
    {
      title: 'Node Js Developer',
      company: 'Tessrac Innovations',
      location: 'Visakhapatnam, Andhra Pradesh',
      description: 'Node Js Frameworks, HTML5, CSS3, Express, RESTful APIs, SQL, No SQL, Mongo,
PostgreSQL, Unit Testing, Github.',
      link: 'https://in.indeed.com/rc/clk?jk=943364caf2422181&fccid=0c48c86321b83d32&vjs=3'
    }
  ]
}

```

Fig 1.1 details of job-openings

```

MINGW64/d/Major Project/my-app/web

cations using the MERN stack and a passion for creating efficient and scalable.',
  link: 'https://in.indeed.com/company/Asgardian-Labs/jobs/Full-Stack-Developer-e24a634865ae
cd8d7fccid-5b8d936ef175ae6d&vjs=3'
},
{
  title: 'Full-Stack React.JS Developer',
  company: 'Unovate Simple Technologies',
  location: 'Visakhapatnam, Andhra Pradesh',
  description: 'You will be responsible for building and maintaining web applications using
the latest front end technologies.\n' +
  'Hands on experience with React.JS.',
  link: 'https://in.indeed.com/rc/clk?jk=05a4e2100fa28b8f&fccid=1be150c605ec87e7&vjs=3'
},
{
  title: 'Fullstack Developer India',
  company: 'Novisync',
  location: 'Visakhapatnam, Andhra Pradesh',
  description: 'Pay Rate: Market Rate based on experience.\n' +
  'Design and develop high-quality web applications using front-end and back-end technolo
gies.',
  link: 'https://in.indeed.com/rc/clk?jk=33d28dde00649e0f&fccid=dcf9599e19882198&vjs=3'
},
{
  title: 'Technology Lead',
  company: 'Vivify Healthcare Pvt. Ltd.',
  location: 'Visakhapatnam, Andhra Pradesh',
  description: 'The lifeeasy platform includes a range of features, including customizable c
are plans, real-time monitoring, and communication tools that enable patients to..',
  link: 'https://in.indeed.com/rc/clk?jk=41c486426ec9150d&fccid=6021b5f1a37f3796&vjs=3'
},
{
  title: 'Models Developer with LAMBDA & MongoDB',
  company: 'Sanchar Info',
  location: 'Visakhapatnam, Andhra Pradesh',
  description: 'Develop application code and unit test in the Node JS, Mongo DB and Lambda for the Application Development Center.',
  link: 'https://in.indeed.com/rc/clk?jk=11347391577a7454&fccid=6ea177ce138343bd&vjs=3'
},
{
  title: 'Full Stack Developer - Python',
  company: 'Vivify Healthcare Pvt. Ltd.',
  location: 'Visakhapatnam, Andhra Pradesh',
  description: 'The lifeeasy platform includes a range of features, including customizable care plans, real-time monitoring, and communication tools that enable patients to..',
  link: 'https://in.indeed.com/rc/clk?jk=6834b2fa3b8b74c3&fccid=6021b5f1a37f3796&vjs=3'
}
}
19131a05m7@vpce.ac.in
Sent: 250 2.0.0 OK <DM6PR02MB500332A19821C98726A739C49F859@DM6PR02MB5003.namprd02.prod.outlook.com> [hostname=DM6PR02MB5003.namprd02.prod.outlook.com]

```

Fig 1.1 mail sent info in terminal