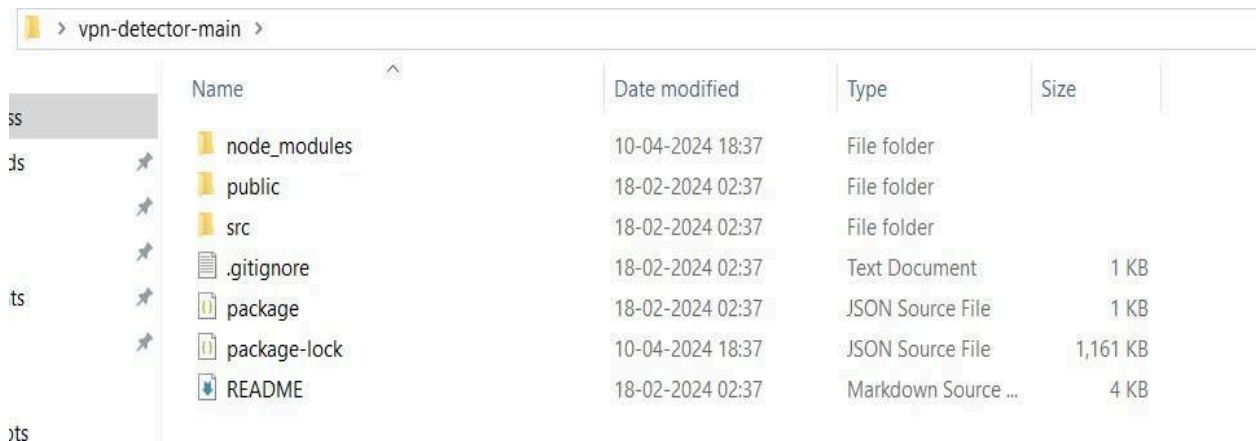


## CHAPTER – 8

### APPENDICES

#### 8.1 SCREENSHOT

Opening the directory of Project Folder : Vpn-detector-main.

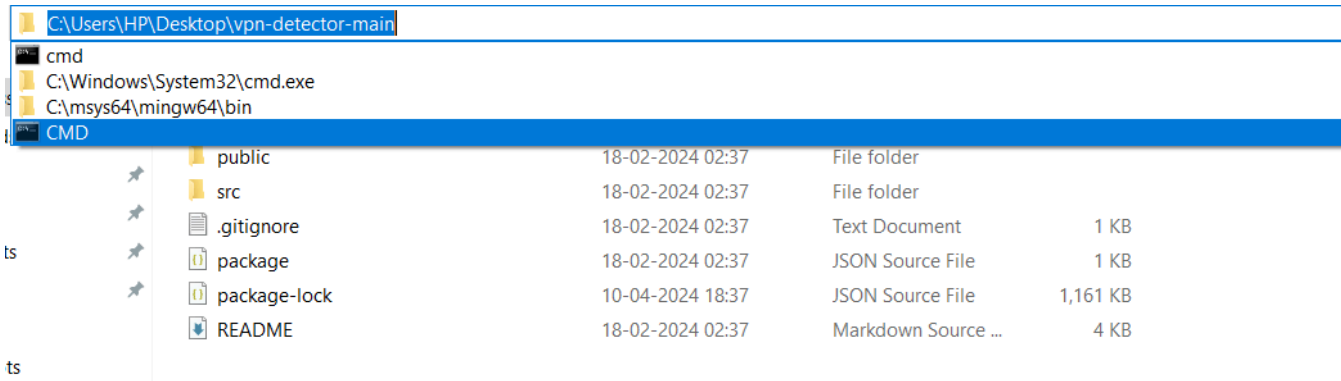


The screenshot shows a file explorer window with the address bar set to 'vpn-detector-main'. The left sidebar shows a tree view with 'src' selected. The main pane displays a table of files and folders.

Name	Date modified	Type	Size
node_modules	10-04-2024 18:37	File folder	
public	18-02-2024 02:37	File folder	
src	18-02-2024 02:37	File folder	
.gitignore	18-02-2024 02:37	Text Document	1 KB
package	18-02-2024 02:37	JSON Source File	1 KB
package-lock	10-04-2024 18:37	JSON Source File	1,161 KB
README	18-02-2024 02:37	Markdown Source ...	4 KB

**Fig 8.1 project structure in the directory**

Opening the command prompt from the source directory.

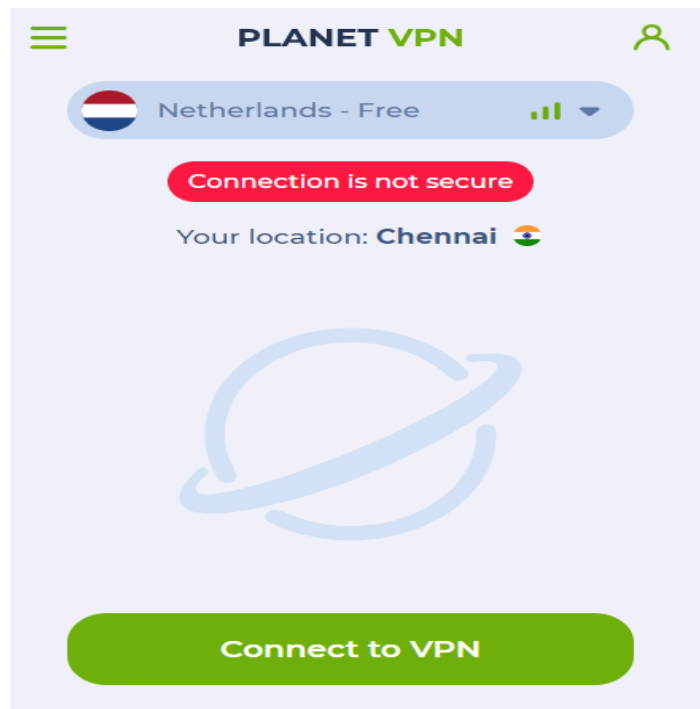


The screenshot shows a command prompt window with the address bar set to 'C:\Users\HP\Desktop\vpn-detector-main'. The left sidebar shows a tree view with 'src' selected. The main pane displays a table of files and folders.

Name	Date modified	Type	Size
public	18-02-2024 02:37	File folder	
src	18-02-2024 02:37	File folder	
.gitignore	18-02-2024 02:37	Text Document	1 KB
package	18-02-2024 02:37	JSON Source File	1 KB
package-lock	10-04-2024 18:37	JSON Source File	1,161 KB
README	18-02-2024 02:37	Markdown Source ...	4 KB

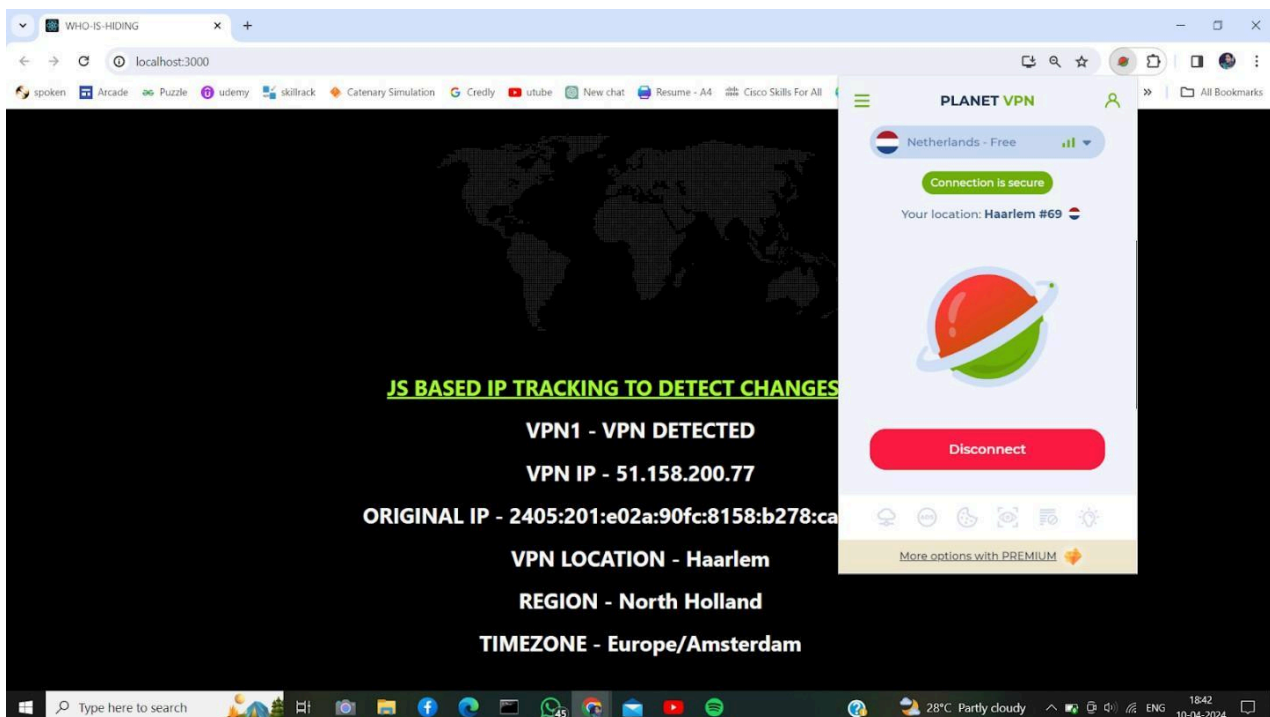
**Fig 8.2 CMD through source directory**

Free VPN Extension for connecting to the VPN.



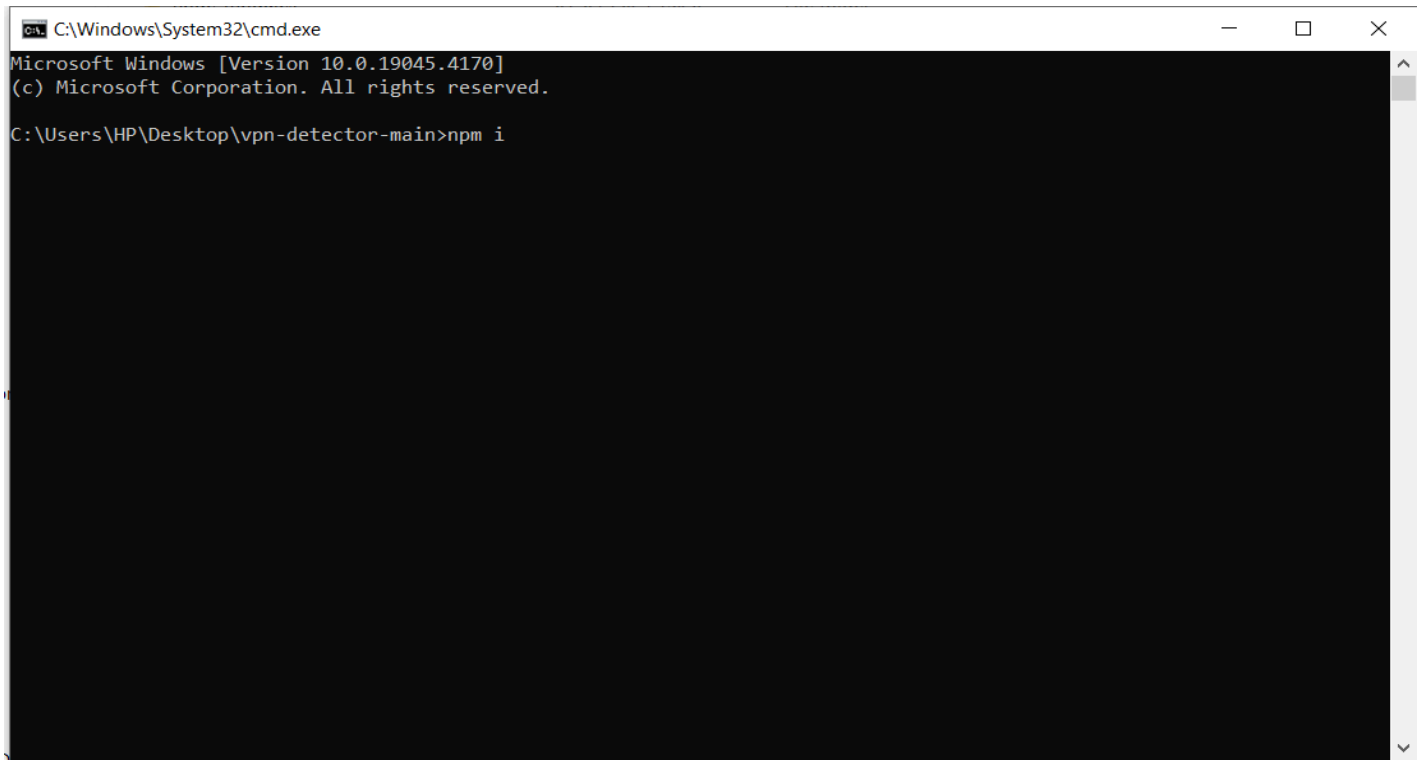
**Fig 8.11 Connecting to the VPN**

After VPN connection the site detected the IP changes through IP tracking.



**Fig 8.12 VPN detected and the region is North Holland**

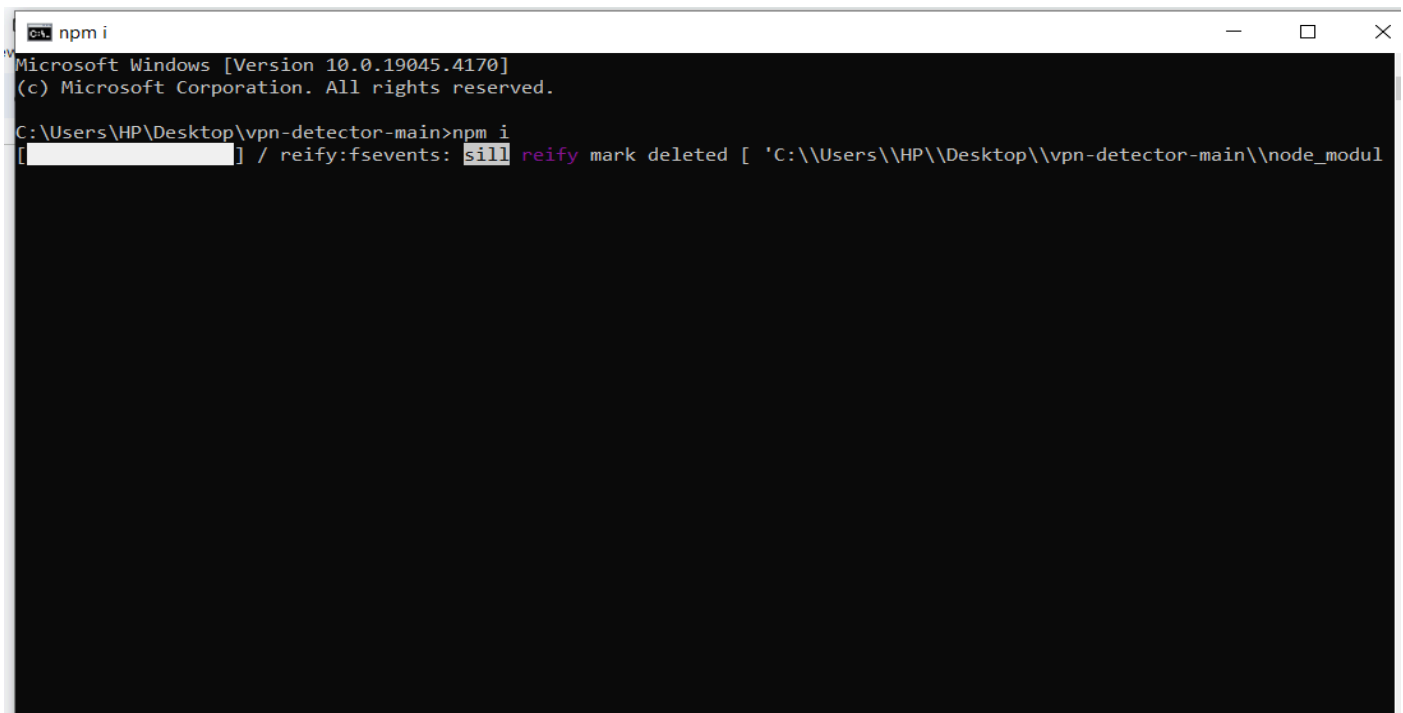
Installation of node package manager (node modules) through command prompt.



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4170]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP\Desktop\vpn-detector-main>npm i
```

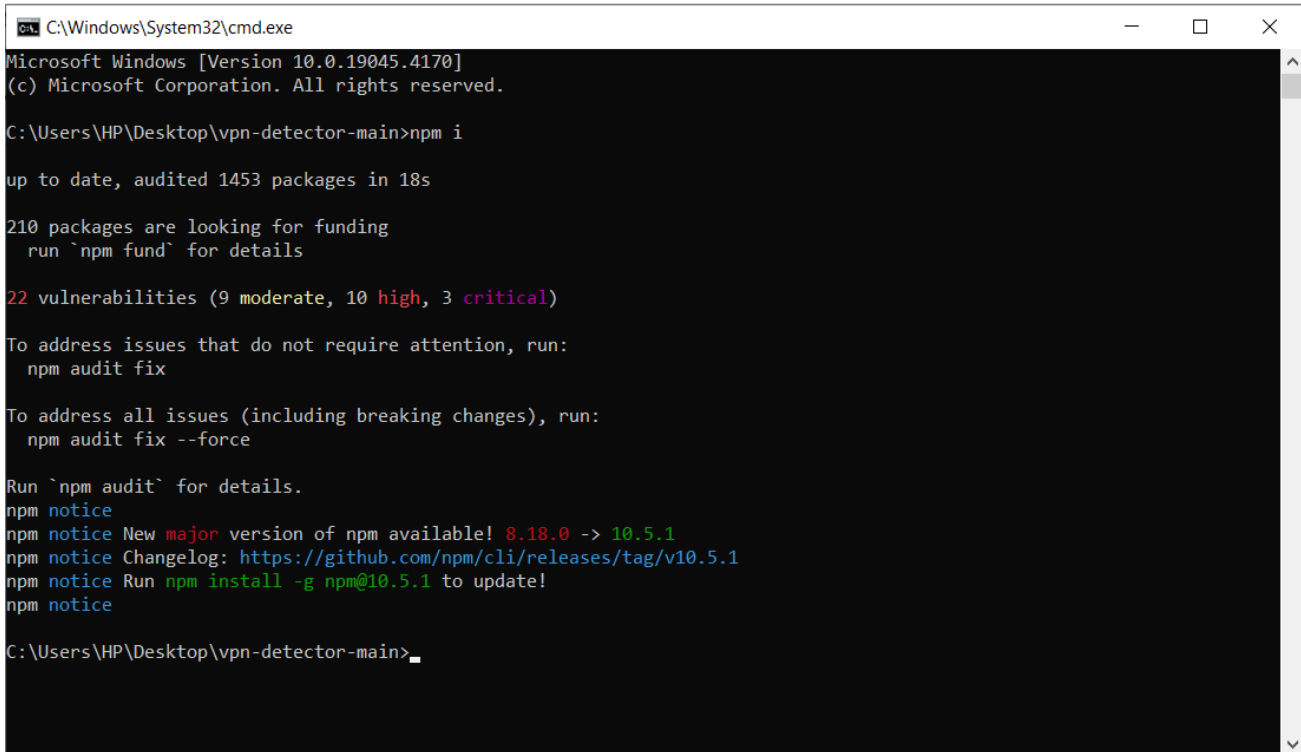
**Fig 8.3 npm i for (npm install)**



```
C:\Users\HP\Desktop\vpn-detector-main>npm i
[REDACTED] / reify:fsevents: sill reify mark deleted [ 'C:\Users\HP\Desktop\vpn-detector-main\node_modules\...
```

**Fig 8.4 Installation of node modules**

Installing all the necessary packages through node package manager.



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4170]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP\Desktop\vpn-detector-main>npm i

up to date, audited 1453 packages in 18s

210 packages are looking for funding
  run `npm fund` for details

22 vulnerabilities (9 moderate, 10 high, 3 critical)

To address issues that do not require attention, run:
  npm audit fix

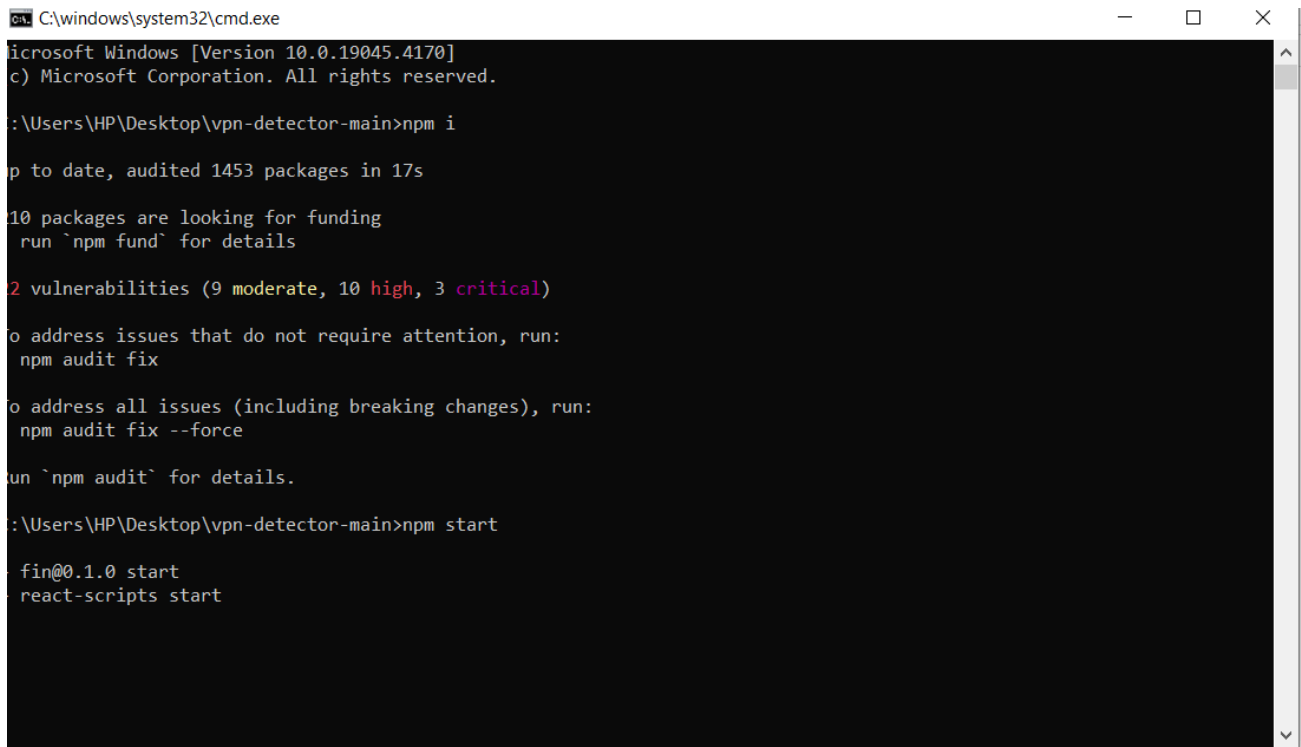
To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npm notice
npm notice New major version of npm available! 8.18.0 -> 10.5.1
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.5.1
npm notice Run npm install -g npm@10.5.1 to update!
npm notice

C:\Users\HP\Desktop\vpn-detector-main>
```

**Fig 8.5 installation of all the necessary packages**

Starting the node package manager for development.



```
C:\windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.4170]
(c) Microsoft Corporation. All rights reserved.

:\Users\HP\Desktop\vpn-detector-main>npm i

p to date, audited 1453 packages in 17s

10 packages are looking for funding
  run `npm fund` for details

22 vulnerabilities (9 moderate, 10 high, 3 critical)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

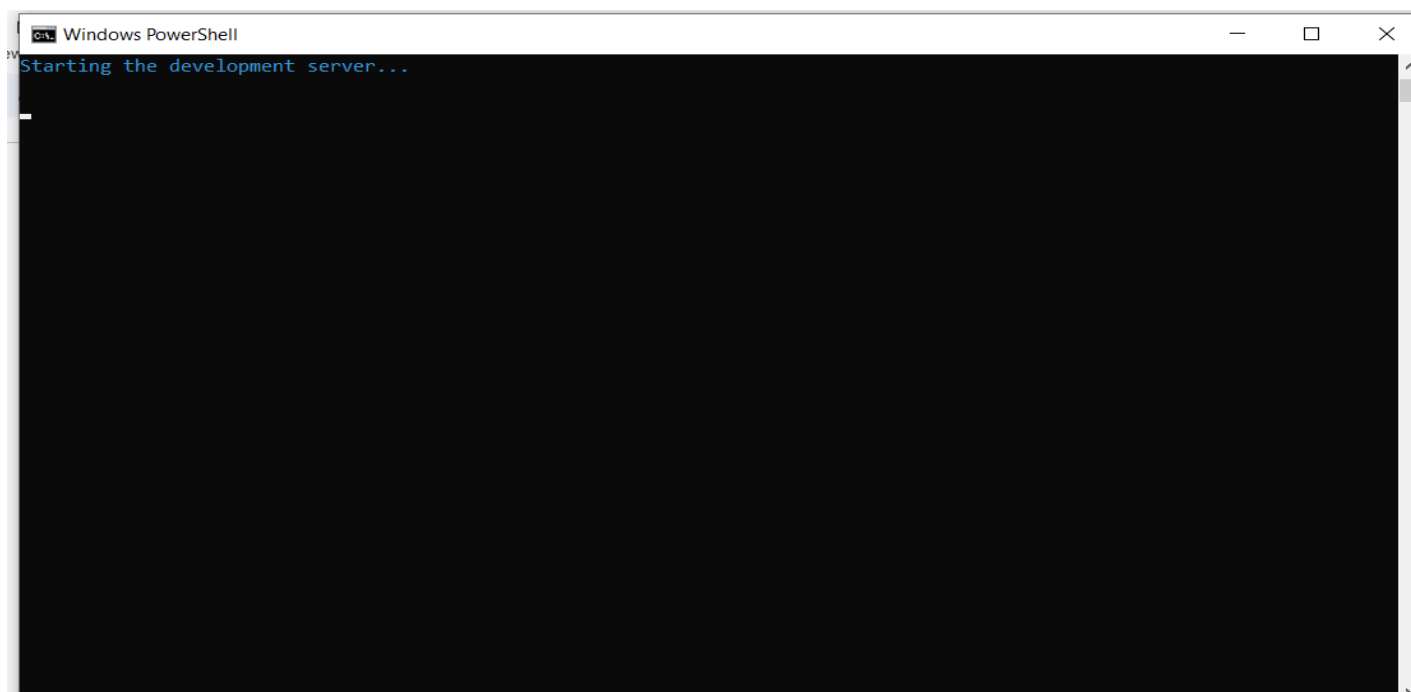
Run `npm audit` for details.

:\Users\HP\Desktop\vpn-detector-main>npm start

fin@0.1.0 start
react-scripts start
```

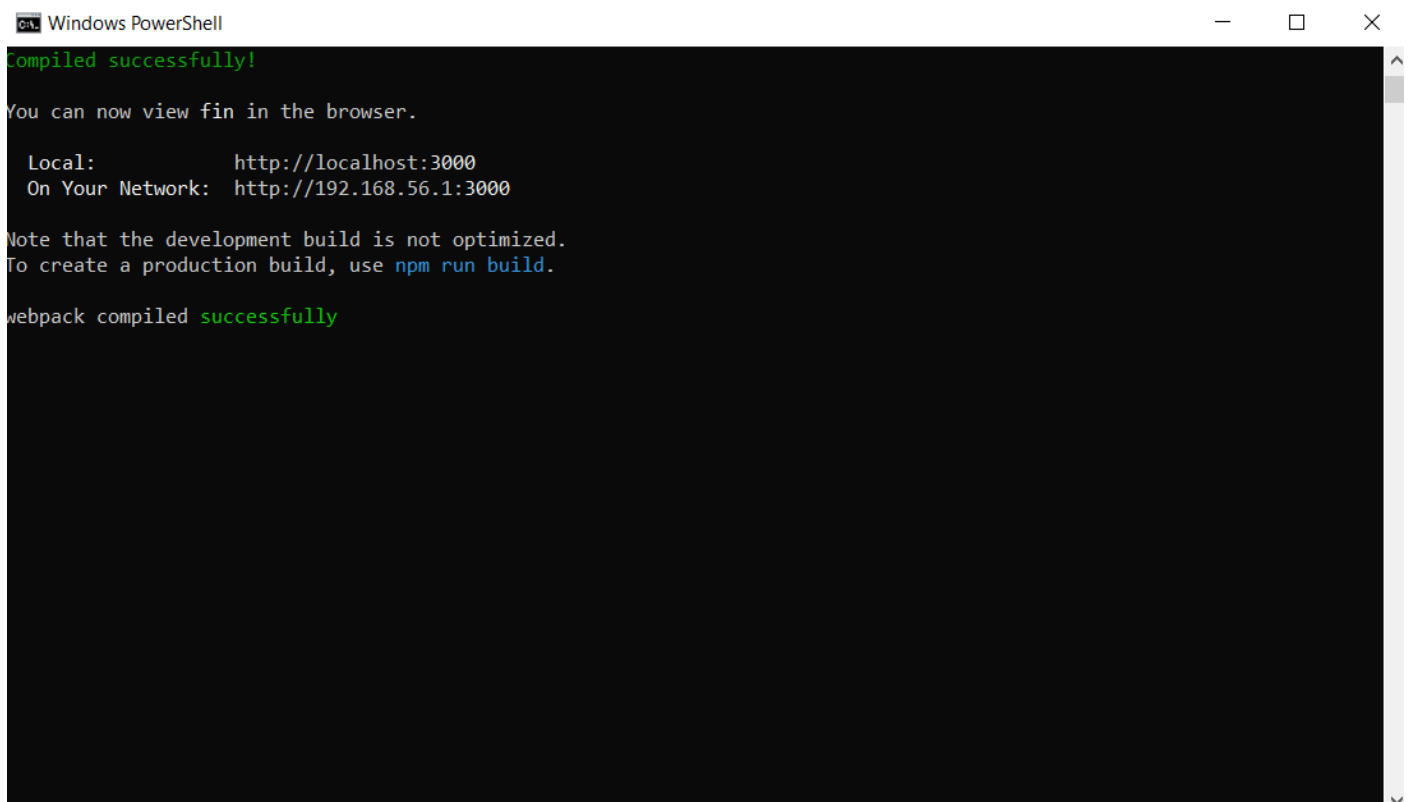
**Fig 8.6 npm start for starting the development server**

Connecting the development server and runs in localhost::3000 port.



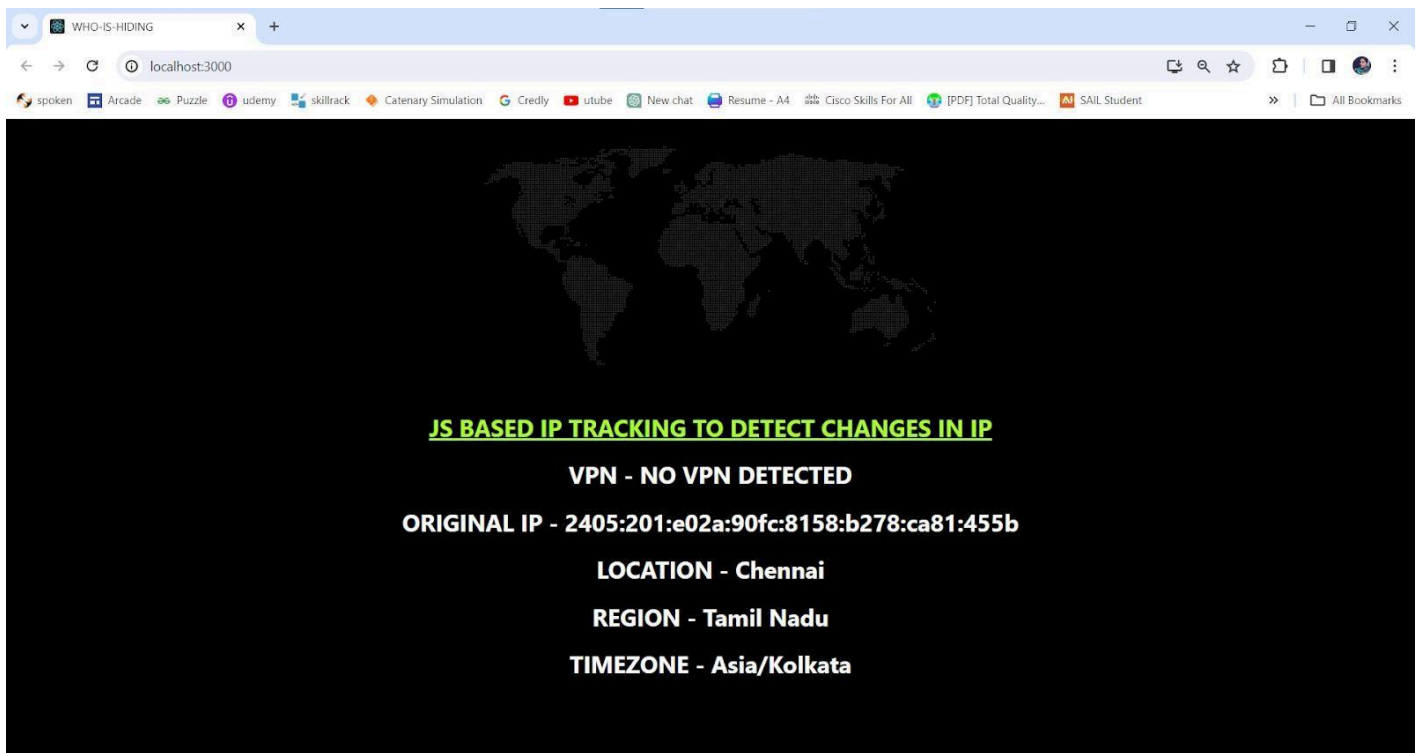
**Fig 8.7 Starting the development server**

Development server runs in local : <http://localhost:3000>



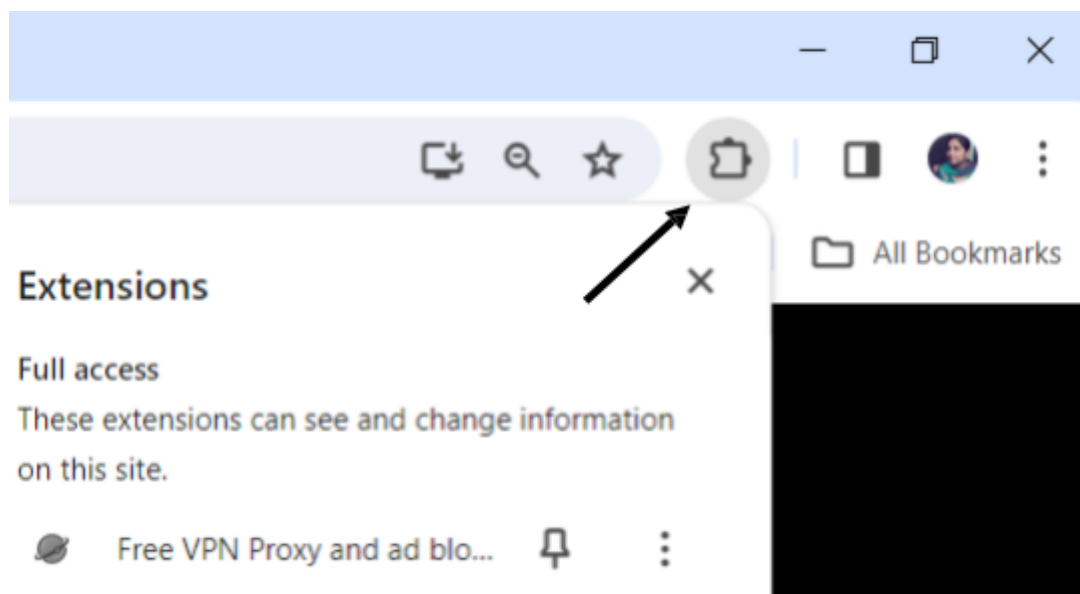
**Fig 8.8 Running the website in localhost**

Frontend Module of the JS based IP tracking to detect changes in IP.



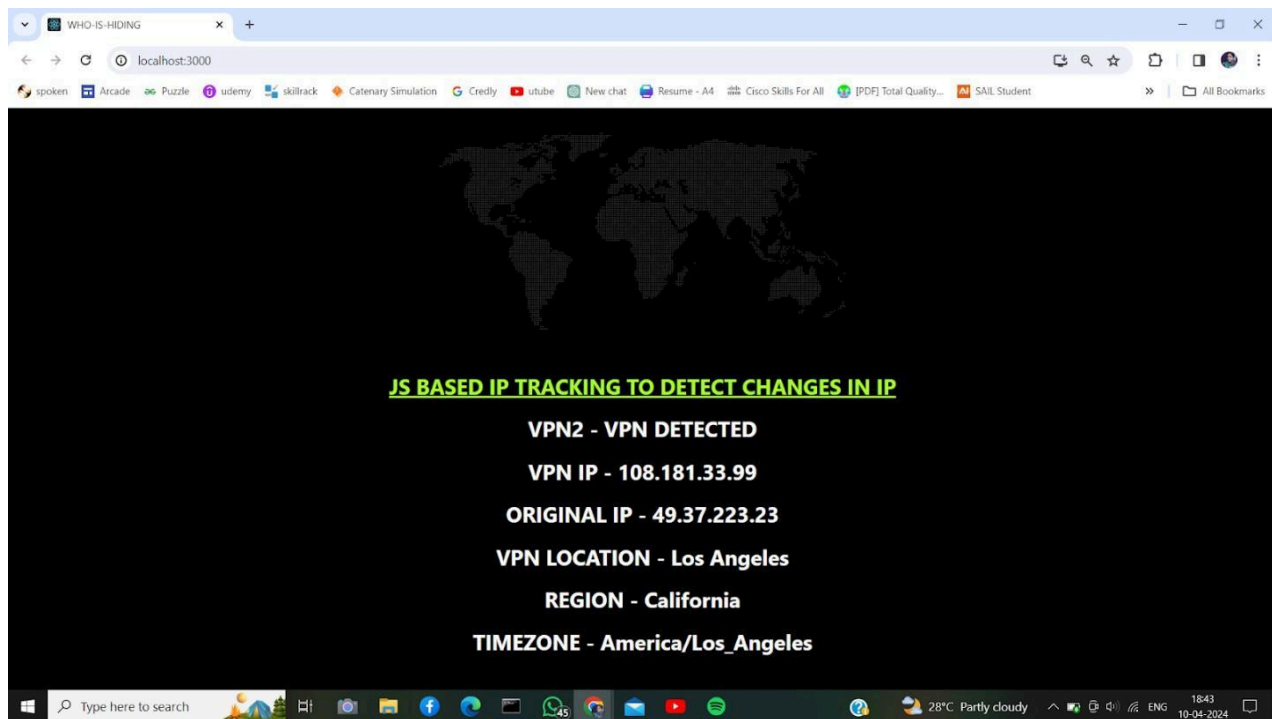
**Fig 8.9 NO VPN DETECTED**

Moving to the Extensions icon for connecting to the VPN.



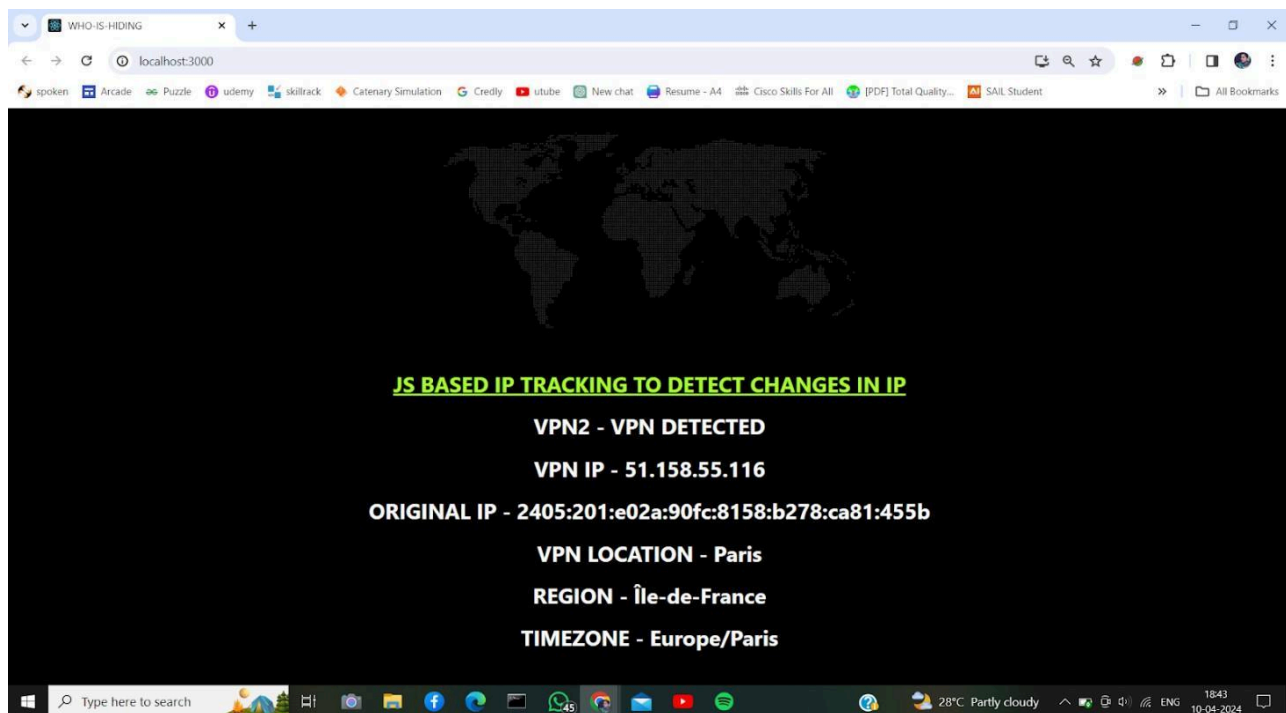
**Fig 8.10 Extension icon for connecting to the VPN**

The Js based IP tracking provided with the following information.



**Fig 8.13 VPN detected and the region is Los Angeles**

VPN detected with the original IP, region and Timezone.



**Fig 8.14 VPN detected and the region is France**