Weather Forecast app

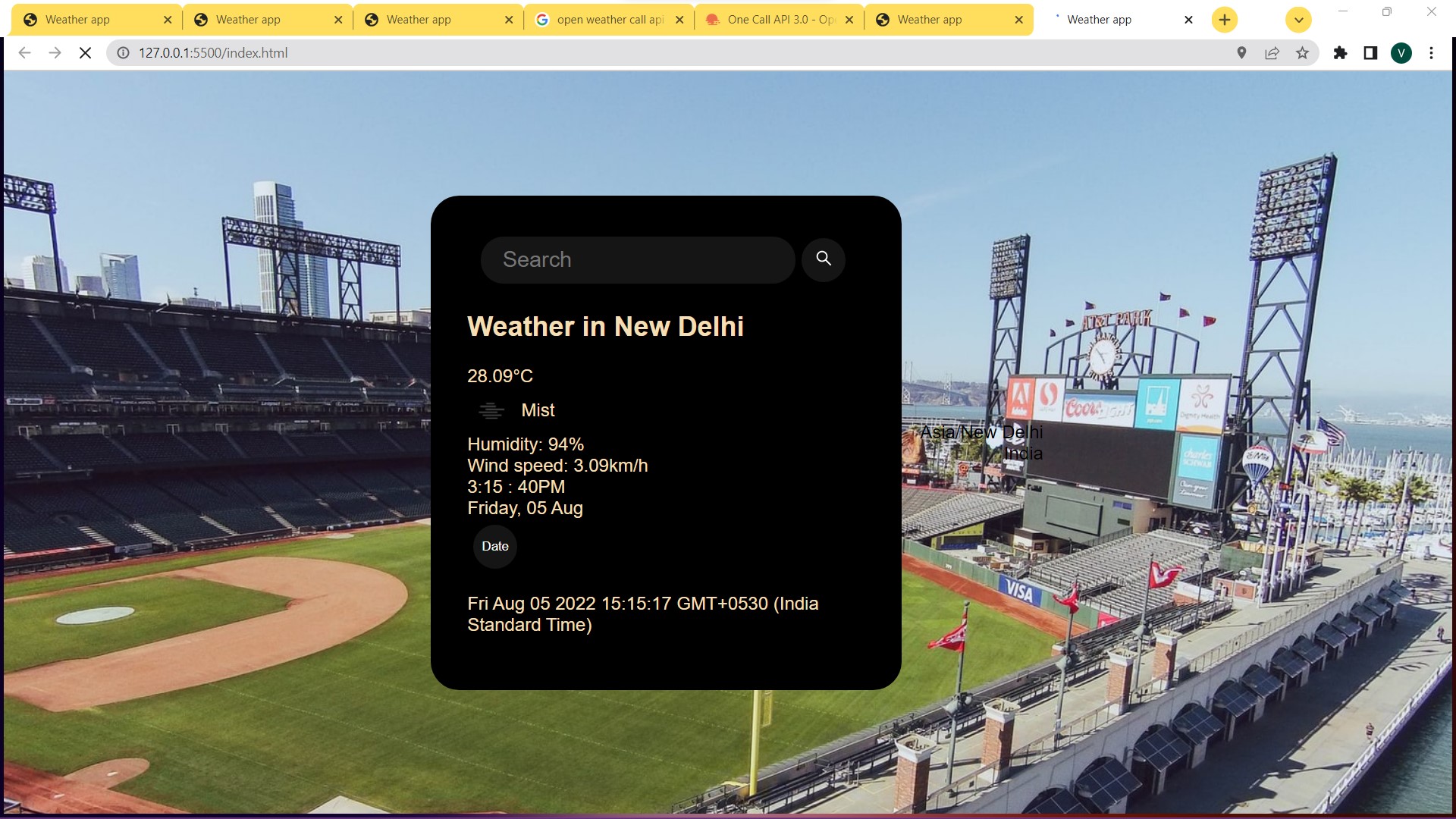
Major project by

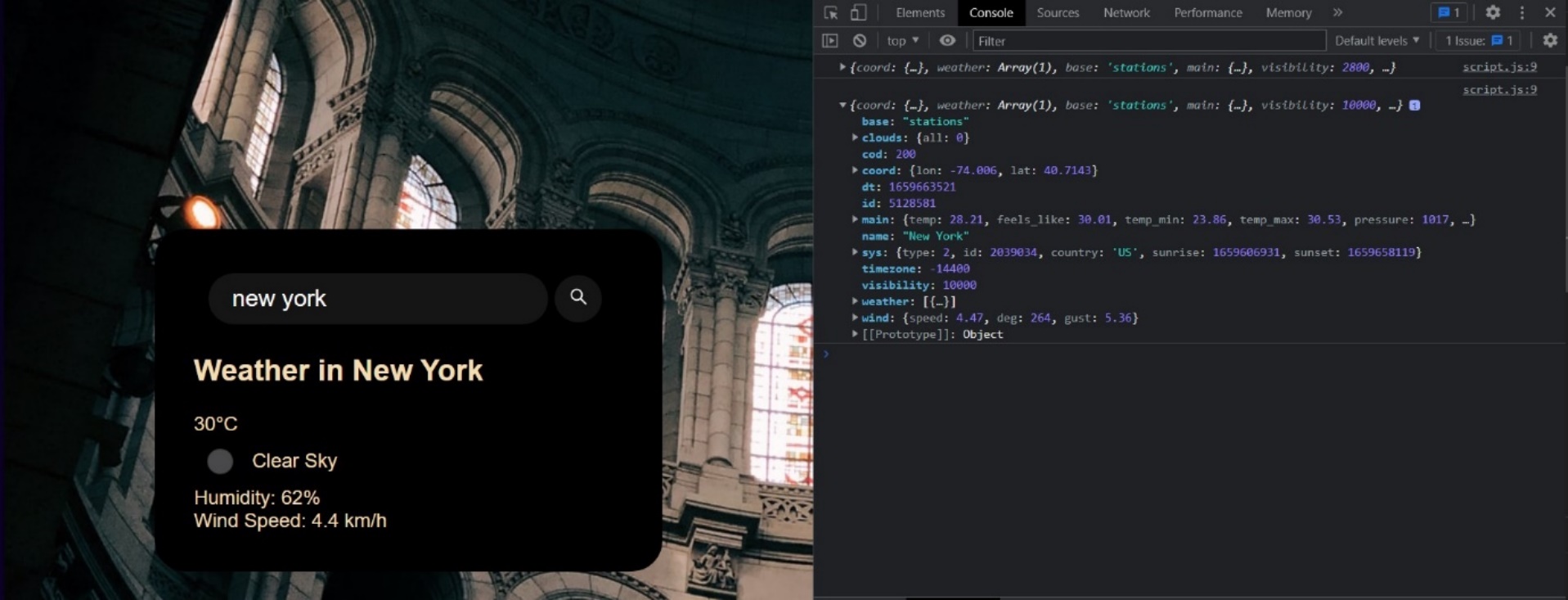
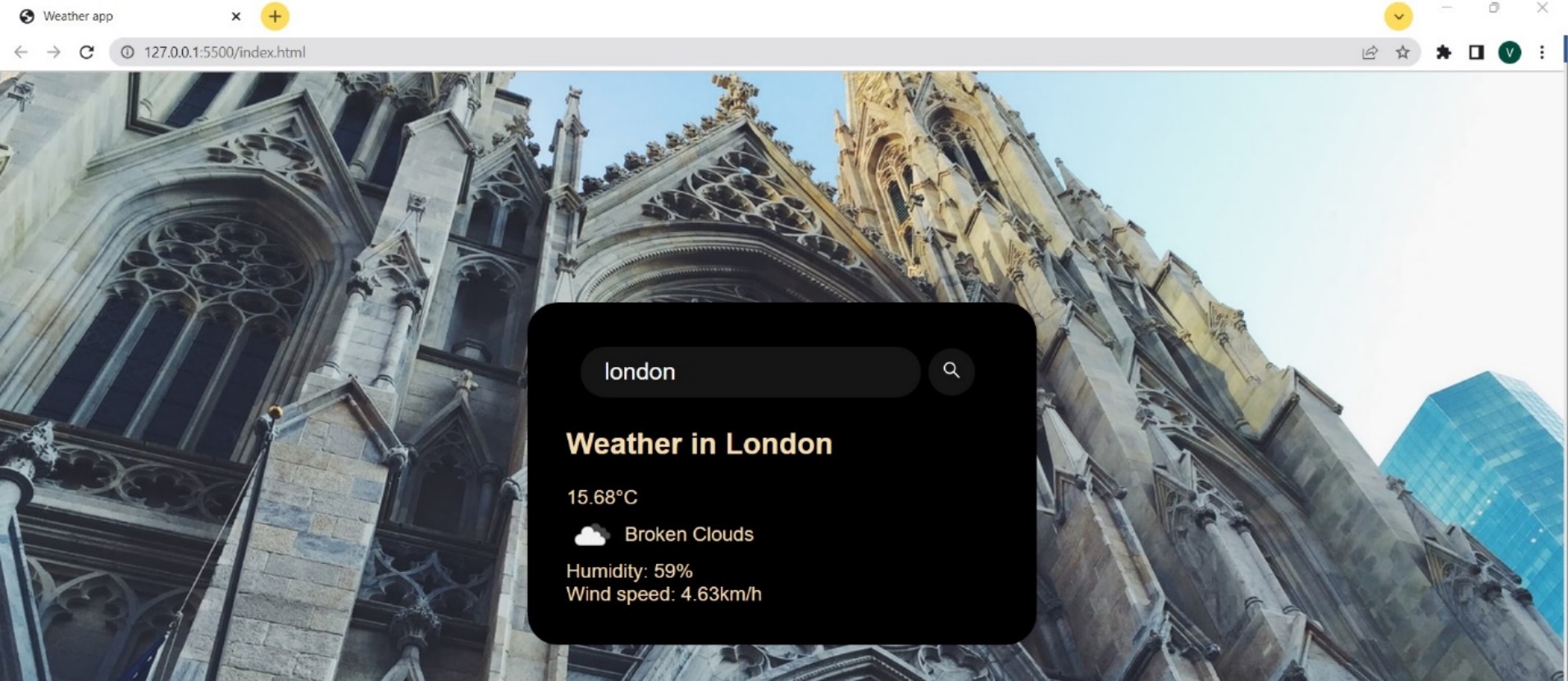
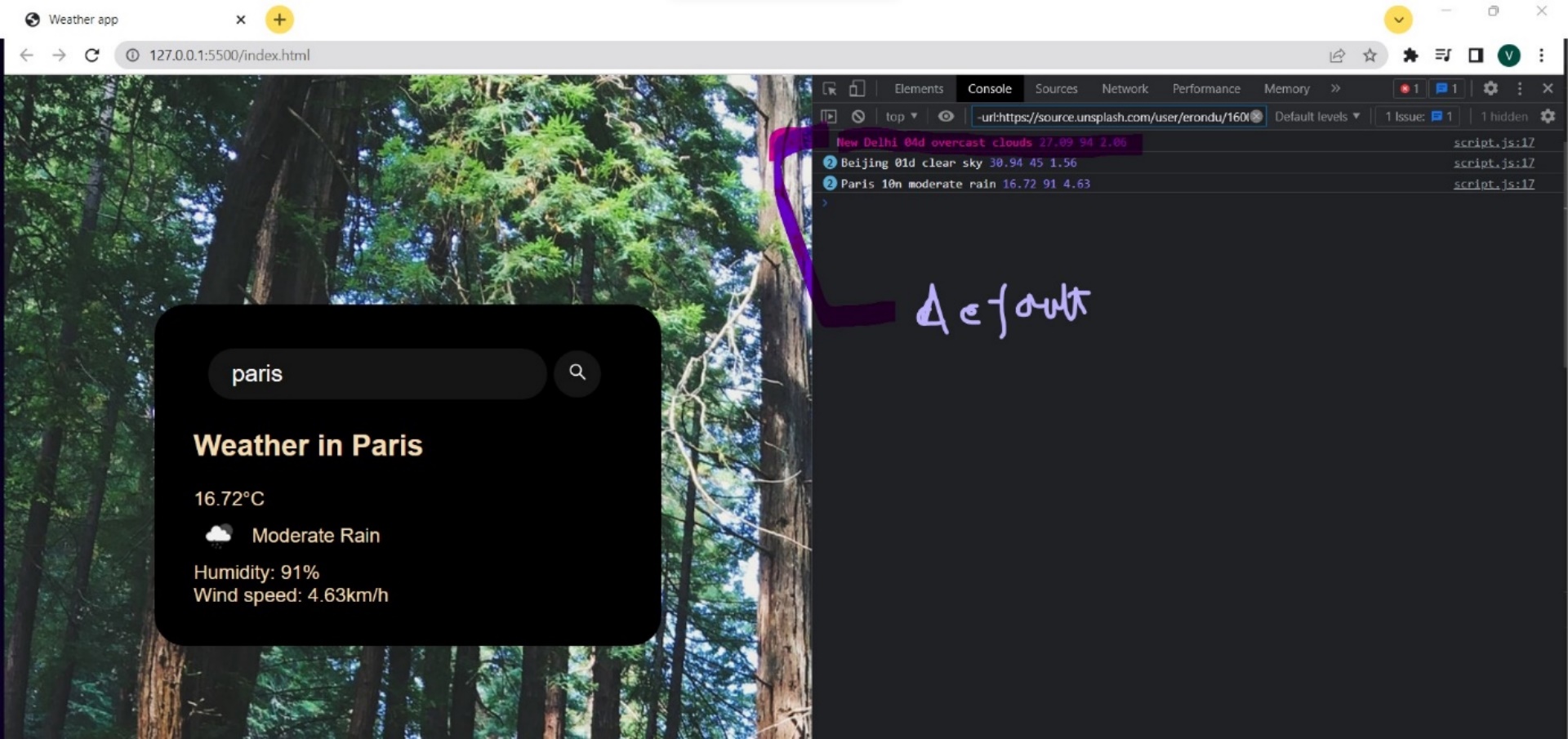
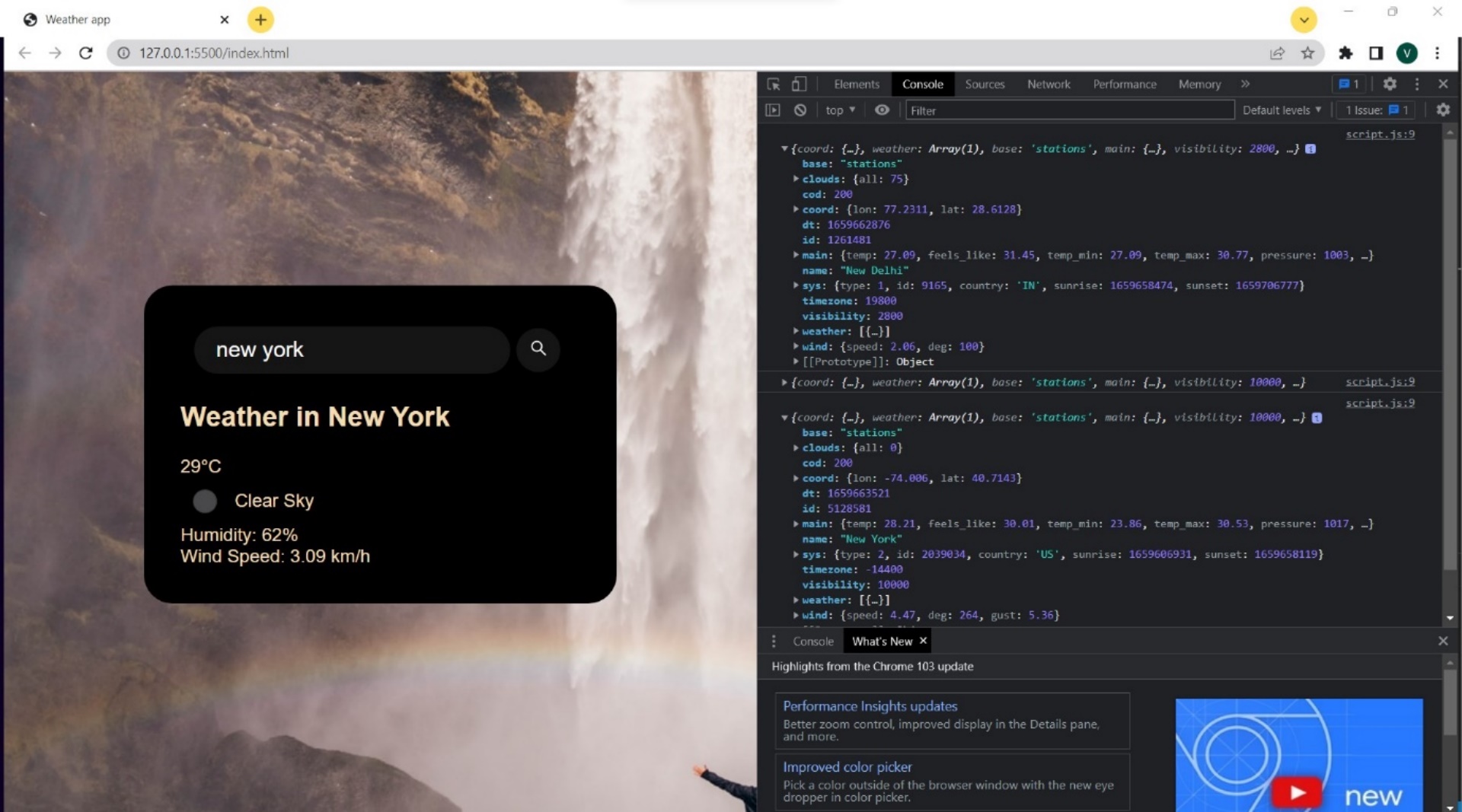
Name: Vikas Kumar Gupta

Email id: [vg152@snu.edu.in](mailto:vg152@snu.edu.in)

Phone no.: 9336226074

**WD-MAJOR-JUNE-elite(WD-06-SPB6)**.





HTML\_\_CODE

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Weather app</title>

    <link href="/favicon.ico" type="image/x-icon" rel="icon" />

    <link rel="stylesheet" href="./style.css">

    <script src="./script.js" defer></script>

<script src="./script2.js" defer></script>

</head>

<body>

    <div class="card">

        <div class="search">

            <input type="text" class="search-bar" placeholder="Search">

            <button><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 1024 1024" height="1.5em" width="1.5em" xmlns="http://www.w3.org/2000/svg"><path d="M909.6 854.5L649.9 594.8C690.2 542.7 712 479 712 412c0-80.2-31.3-155.4-87.9-212.1-56.6-56.7-132-87.9-212.1-87.9s-155.5 31.3-212.1 87.9C143.2 256.5 112 331.8 112 412c0 80.1 31.3 155.5 87.9 212.1C256.5 680.8 331.8 712 412 712c67 0 130.6-21.8 182.7-62l259.7 259.6a8.2 8.2 0 0 0 11.6 0l43.6-43.5a8.2 8.2 0 0 0 0-11.6zM570.4 570.4C528 612.7 471.8 636 412 636s-116-23.3-158.4-65.6C211.3 528 188 471.8 188 412s23.3-116.1 65.6-158.4C296 211.3 352.2 188 412 188s116.1 23.2 158.4 65.6S636 352.2 636 412s-23.3 116.1-65.6 158.4z"></path></svg></button>

        </div>

        <div class="weather loading">

            <h2 class="city">Weather in New York</h2>

            <div class="temp">30°C</div>

            <div class="flex">

                 <img src="https://openweathermap.org/img/wn/01n.png" alt="" class="icon" />

                 <div class="description">Clear Sky</div>

            </div>

            <div class="humidity">Humidity: 62%</div>

            <div class="wind">Wind Speed: 4.4 km/h</div>

            <div class="date\_and\_time"></div>

        </div>

    </div>

</body>

</html>

CSS\_CODE

body {

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

    font-family: 'Roboto Condensed', sans-serif;

    background-image: url('https://source.unsplash.com/user/erondu/1600x900/?natural landscape');

    font-size: 120%;

}

.card {

    background:black;

    color: wheat;

    padding: 2em;

    border-radius: 30px;

    width: 100%;

    max-width: 420px;

    margin: 1em;

}

h1.temp {

    margin: 0;

    margin-bottom:0.4em;

}

.flex{

    display: flex;

    align-items: center;

}

.description {

    text-transform: capitalize;

    margin-left: 7px;

}

button {

    margin: 0.5em;

    border-radius: 50%;

    border: none;

    height: 46px;

    width: 46px;

    outline: none;

    background: #7c7c7c2b;

    color: white;

    cursor: pointer;

    transition: 0.2s ease-in-out;

}

input.search-bar {

    border: none;

    outline: none;

    padding: 1em;

    padding:  0.5em 1em;

    border-radius: 24px;

    background: #7c7c7c2b;

    color: white;

    cursor: pointer;

    transition: ease-in-out;

    font-family: inherit;

    font-size: 120%;

    width: calc(80% - 50px);

}

.search {

    display: flex;

    align-items: center;

    justify-content: center;

}

button:hover{

    background: #7c7c7c2b;

}

.weather.loading{

    visibility: hidden;

    max-width: 20px;

    position: relative;

}

.weather.loading:after{

    visibility: visible;

    content:"Loading....";

    color: white;

    position:absolute;

    top:0;

    left:20px;

}

JAVASCRIPT \_ CODE

let weather = {

    "apiKey":"6fa6e4a828f2f30f018a8fd4aad8b116",

     fetchWeather: function(city){

        fetch( "https://api.openweathermap.org/data/2.5/weather?q=" +

        city +

        "&units=metric&appid=" +

        this.apiKey)

         .then((response) => response.json())

         .then((data) => this.displayWeather(data))

         ;

     },

     displayWeather: function(data){

        const { name }=

data;

const {icon, description } = data.weather[0];

        const {temp, humidity } = data.main;

        const {speed} =

data.wind;

        console.log(name,icon,description,temp,humidity,speed);

   document.querySelector(".city").innerText =

"Weather in " + name;

document.querySelector(".icon")

.src =  "https://openweathermap.org/img/wn/"

+ icon +

".png";

      document.querySelector

(".description").innerText = description;

   document.querySelector(".temp").innerText

= temp + "°C";

document.querySelector

(".humidity").innerText = "Humidity: "

+ humidity

+ "%";

document.querySelector(".wind").

innerText = "Wind speed: "

+ speed

+ "km/h";

document.querySelector(".weather").classList.remove("loading");

 document.body.

style.backgroundImage = "url('https://source.unsplash.com/user/erondu/1600x900/?" + name + "')";

    },

 search: function(){

        this.fetchWeather

(document.querySelector

(".search-bar").value);

    },

    };

document.querySelector

(".search button")

.addEventListener

("click", function(){

   weather.search();

});

document.querySelector

(".search-bar").

addEventListener

("keyup", function(event){

    if(event.key == "Enter"){

        weather.search();

    }

});

weather.fetchWeather("new delhi");

Script\_2

const timeE1 = document.getElementById('time');

const currentweatheritemsE1 = document.getElementById('current-weather-items');

const timezone = document.getElementById('time-zone');

const countryE1= document.getElementById('country');

const API\_KEY = '6fa6e4a828f2f30f018a8fd4aad8b116';

setInterval(() => {

    const time = new Date();

    const month = time.getMonth();

    const date = time.getDate();

    const day = time.getDay();

    const hour = time.getHours();

    const hoursIn12HrFormat = hour >=13 ? hour %12: hour

    const minutes = time.getMinutes();

    const second = time.getSeconds();

    const ampm = hour >=12 ? 'PM' : 'AM'

    timeE1.innerHTML = hoursIn12HrFormat  + ':' + (minutes < 10? '0' +minutes: minutes)+' '  + ': ' + second + `<span id="am-pm">${ampm}</span>`

} ,1000);

getWeatherData()

function getWeatherData(){

    navigator.geolocation.getCurrentPosition((sucsess) => {

        let {latitude, longitude} = sucsess.coords;

        fetch(`https://api.openweathermap.org/data/2.5/onecall?lat=${latitude}&lon=${longitude}&exclude=hourly,minutely&appid=${API\_KEY}`)

        .then((response) => response.json())

        .then((data) => this.showweatherData(data))

    }

    )

}

function showweatherData(){

    timeE1.innerHTML = daat.timeE1

    timezone.innerHTML = data.timezone;

    countryE1.innerHTML =data.latitude + 'N' + data.longitude +'E'

    ;

}