FULL STACK

WEB DEVELOPMENT

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CSE 3_B 2023-2024 BATCH

PRESENTATION FOR MLSA

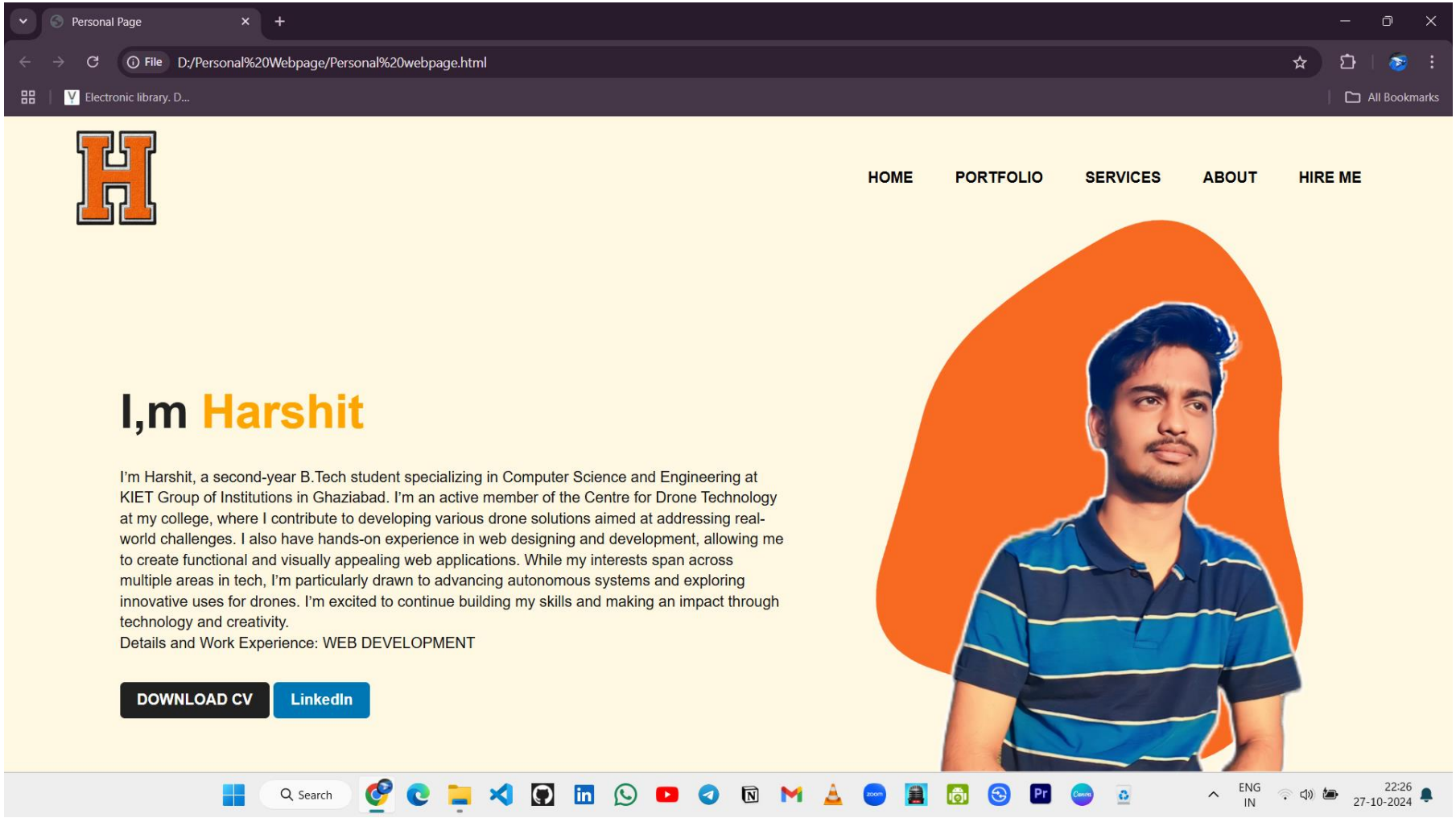
TECH STACK USED

HTML is the foundational language for web pages, structuring content with elements like headings, paragraphs, and images to create a basic webpage layout.

CSS styles HTML content by defining layout, colours, fonts, and spacing, allowing for visually appealing and responsive web designs across devices.

JavaScript is a programming language that adds interactivity to web pages, enabling dynamic features like form validation, animations, and content updates without reloading the page.

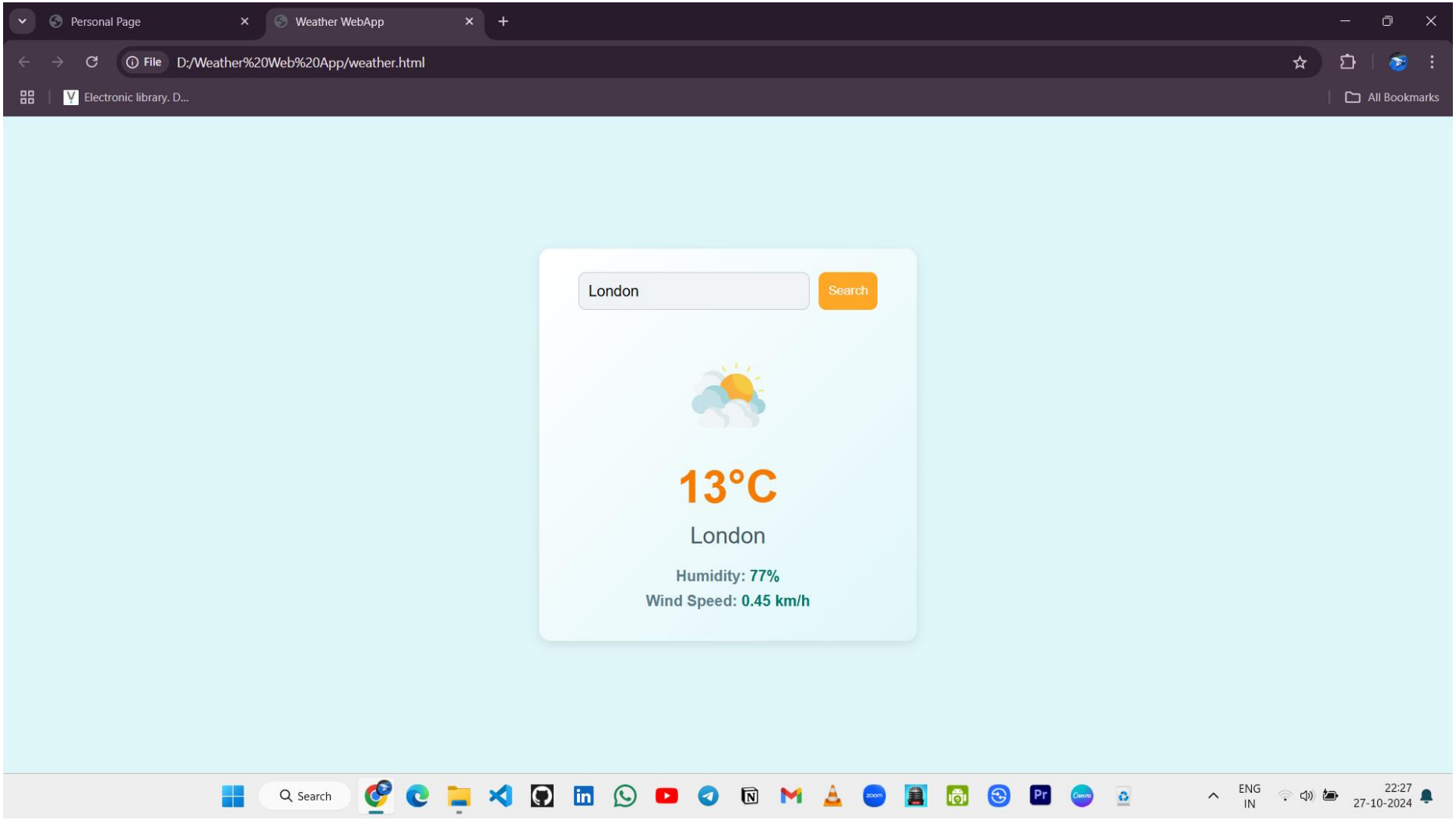
Easy Project: Style A Basic Webpage Using CSS



Features Added In This Web Page Build With HTML And CSS

Smooth Scroll for Navigation Links: Allow navigation links to scroll smoothly to sections, enhancing user experience.
Button Hover Effects: Add a slight scaling and shadow effect to "Download CV" and "LinkedIn" buttons for a polished look.
Profile Image Animation: Enhance the hover effect on your profile image with slight scaling to make it more interactive.
Highlight Active Link on Scroll: Highlight the navigation link of the section currently in view, guiding the user through the page.
Mobile Responsiveness: Use media queries to adjust the layout for smaller screens, ensuring readability and usability on mobile devices.

Intermediate Project: Develop A Weather App Using Javascript



Features Added In This Weather Web App Build With Javascript

1. **City Input and Search**: Users can enter a city name in the input box and click "Search" to fetch the weather for that city. If the input is empty or the city is not found, an alert notifies the user.
2. **Fetch Weather Data:** The app uses the OpenWeatherMap API to retrieve real-time weather data for the specified city.
3. **Display Weather Information:** The weather data includes temperature, city name, humidity, and wind speed, which are dynamically updated in the app.
4. **Dynamic Weather Icon:** Based on the weather condition (like clear, clouds, rain, etc.), a corresponding icon appears to visually represent the weather. A default icon shows if the condition doesn’t match specified cases.
5. **Initial Default City**: By default, the app displays the weather information for "New York" when the page first loads.
6. **Responsive Design:** The CSS makes the app responsive and centered, with a mobile-friendly layout.
7. **Visual Enhancements:** The UI features hover effects for the "Search" button and gradient backgrounds, providing an engaging user experience.