

UI/UX Specialist

UCS542



THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)

Submitted by: - Ojus Aggarwal

Roll Number: - 102495015

Assignment 2

Question: Create a multipage website for a travel agency with the following pages:

- Home page with an introduction and banner image
 - Packages page with tour package details in a table
 - A booking form (name, dates, destination, package selection)
 - Gallery page with destination images and captions
 - About Us or Contact Us page with social media links

Use a table to show packages with price, duration, destination, a booking form with multiple inputs and dropdowns, a list of travel tips or must-visit places, and embedded images with proper attributes and styling for layout.

Solution:-

Home Page

```
<!DOCTYPE html>

<html lang="en">

<head>

    <title>Map It! - Travel Agency</title>

    <style>

        body {
            background-color: azure;
            color: black;
            margin: 30px;
            font-family: Arial, sans-serif;
        }

        h1 {
            color: black;
            text-align: center;
            font-size: 50px;
        }
    </style>
</head>

<body>

    <h1>Map It! - Travel Agency</h1>

    <p>Travel Agency</p>
</body>
</html>
```

```
        font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial,
sans-serif;

        margin-bottom: 10px;

    }

p.intro {

    text-align: center;

    font-size: 20px;

}

nav {

    text-align: center;

    margin-bottom: 40px;

}

nav a {

    margin: 0 15px;

    font-weight: bold;

    color: darkblue;

}

.banner {

    display: flex;

    justify-content: center;

    flex-wrap: wrap;

    gap: 20px;

}

.banner img {
```

```

        border-radius: 10px;

        width: 300px;

        height: 200px;

        object-fit: cover;

        box-shadow: 2px 2px 10px rgba(0,0,0,0.2);

    }

</style>

</head>

<body>

<h1><strong>Map It! - Travel Agency</strong></h1>

<p class="intro">

    Discover the world's most beautiful destinations with our customized travel packages. <br>

    Whether you're seeking adventure, relaxation, or cultural exploration, we've got the perfect trip for you.

</p>

<nav>

    <a href="Assignment2_home.html">Home</a>

    <a href="Assignment2_packages.html">Packages</a>

    <a href="Assignment2_booking.html">Booking</a>

    <a href="Assignment2_gallery.html">Gallery</a>

    <a href="Assignment2_contact.html">Contact</a>

</nav>

<div class="banner">

```

```

</div>

</body>

</html>

```

Map It! - Travel Agency

Discover the world's most beautiful destinations with our customized travel packages. Whether you're seeking adventure, relaxation, or cultural exploration, we've got the perfect trip for you.

[Home](#) [Packages](#) [Booking](#) [Gallery](#) [Contact](#)

The screenshot shows a web browser window displaying a travel agency website titled "Map It! - Travel Agency". The page features a main heading and a sub-headline encouraging users to discover beautiful destinations. Below the sub-headline is a navigation menu with links to Home, Packages, Booking, Gallery, and Contact. The "Gallery" link is underlined, indicating it is the active page. The main content area displays a 2x3 grid of six travel-related images: a coastal scene with mountains in the background, a view of a city built into a cliffside, a large rock formation, a beach with traditional boats, a person standing on a beach, and a famous golden pagoda. The browser's address bar shows the file path "E/Semester%205/UI_UX/Assignments/Codes/Assignment2_home.html". The taskbar at the bottom of the screen includes icons for various applications like File Explorer, Microsoft Edge, and Google Chrome, along with system status indicators for battery level, signal strength, and date/time (17-08-2025).

Packages

```
<!DOCTYPE html>

<html lang="en">

<head>

    <title>Packages - Map It!</title>

    <style>

        body { background-color: azure; font-family: Arial, sans-serif; margin: 30px; }

        h1 { text-align: center; }

        table { width: 100%; border-collapse: collapse; margin: 20px 0; }

        th, td { border: 1px solid #444; padding: 12px; text-align: center; }

        th { background-color: lightblue; }

        nav { text-align: center; margin-bottom: 30px; }

        nav a { margin: 0 15px; text-decoration: none; font-weight: bold; color: darkblue; }

    </style>

</head>

<body>

    <h1>Our Travel Packages</h1>

    <nav>

        <a href="Assignment2_home.html">Home</a>

        <a href="Assignment2_packages.html">Packages</a>

        <a href="Assignment2_booking.html">Booking</a>

        <a href="Assignment2_gallery.html">Gallery</a>

        <a href="Assignment2_contact.html">Contact</a>

    </nav>

    <table>

        <tr>

            <th>Package</th>
```

```

<th>Destination</th>
<th>Duration</th>
<th>Price</th>

</tr>
<tr>
<td>Beach Paradise</td>
<td>Maldives</td>
<td>5 Days / 4 Nights</td>
<td>₹7500</td>
</tr>
<tr>
<td>European Explorer</td>
<td>France, Italy, Germany</td>
<td>10 Days / 9 Nights</td>
<td>₹19000</td>
</tr>
<tr>
<td>Desert Adventure</td>
<td>Dubai</td>
<td>6 Days / 5 Nights</td>
<td>₹8000</td>
</tr>
</table>
</body>
</html>

```

The screenshot shows a web browser window titled "Packages - Map It!". The address bar indicates the file path: "E:/Semester%205/UI_UX/Assignments/Codes/Assignment2_packages.html". The main content area features a title "Our Travel Packages" and a navigation menu with links to "Home", "Packages", "Booking", "Gallery", and "Contact". Below the menu is a table displaying three travel packages:

| Package | Destination | Duration | Price |
|-------------------|------------------------|--------------------|--------|
| Beach Paradise | Maldives | 5 Days / 4 Nights | ₹7500 |
| European Explorer | France, Italy, Germany | 10 Days / 9 Nights | ₹19000 |
| Desert Adventure | Dubai | 6 Days / 5 Nights | ₹8000 |

The browser's toolbar includes standard icons for back, forward, search, and refresh. The taskbar at the bottom shows various pinned applications like File Explorer, Edge, and VS Code. The system tray displays the date (17-08-2025), time (22:52), weather (28°C Partly cloudy), and language (ENG IN).

Booking

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Booking - Map It!</title>
    <style>
        body { background-color: azure; font-family: Arial, sans-serif; margin: 30px; }
        h1 { text-align: center; }
        form { width: 50%; margin: auto; background: #fff; padding: 20px; border-radius: 10px; box-shadow: 2px 2px 10px gray; }
        label { display: block; margin: 10px 0 5px; }
        input, select, textarea { width: 100%; padding: 8px; margin-bottom: 15px; border: 1px solid #aaa; border-radius: 5px; }
        button { background: darkblue; color: white; padding: 10px; border: none; border-radius: 5px; cursor: pointer; }
        nav { text-align: center; margin-bottom: 30px; }
        nav a { margin: 0 15px; text-decoration: none; font-weight: bold; color: darkblue; }
    </style>
</head>
<body>
```

```
<h1>Book Your Trip</h1>
<nav>
    <a href="Assignment2_home.html">Home</a>
    <a href="Assignment2_packages.html">Packages</a>
    <a href="Assignment2_booking.html">Booking</a>
    <a href="Assignment2_gallery.html">Gallery</a>
    <a href="Assignment2_contact.html">Contact</a>
</nav>

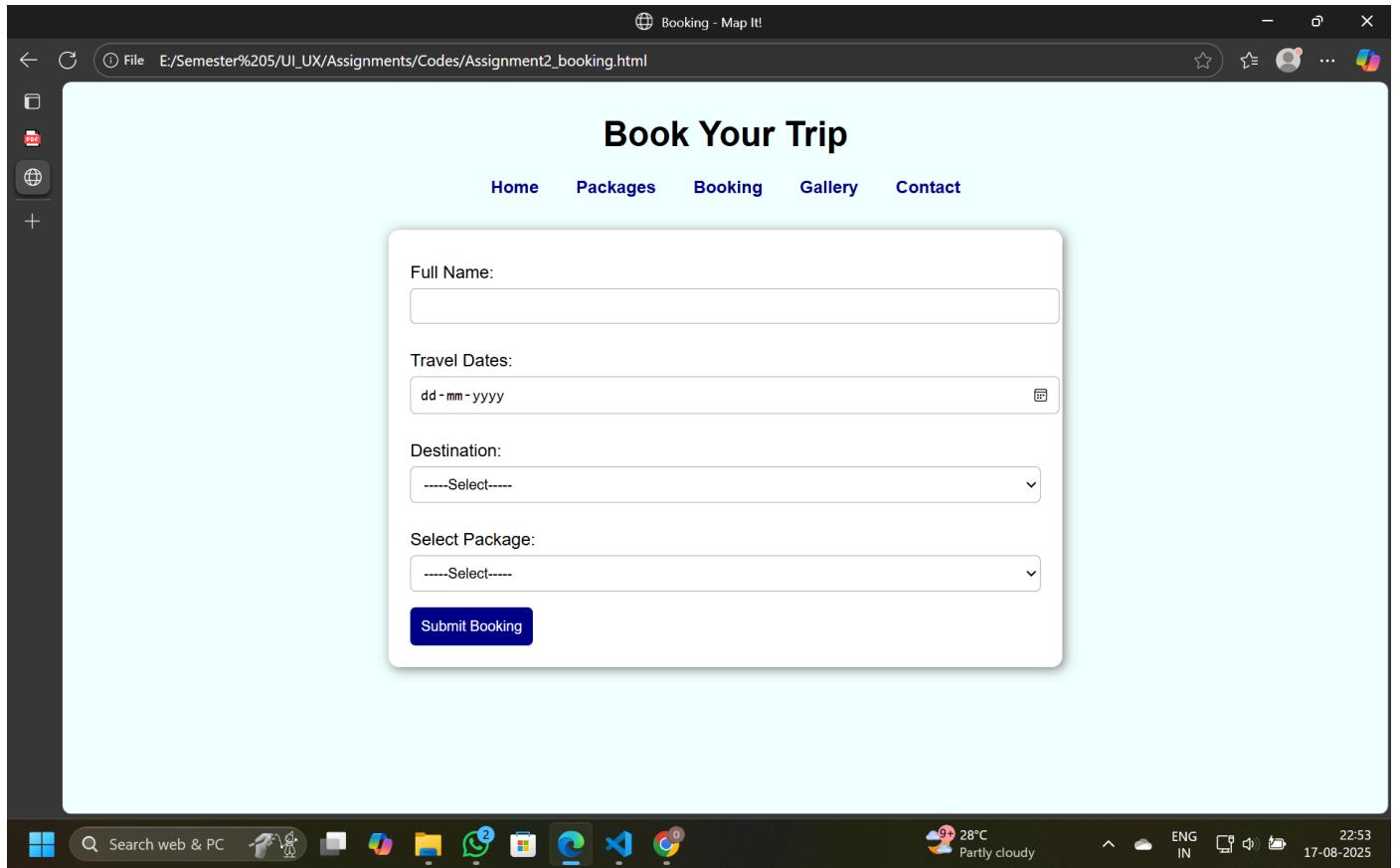
<form>
    <label for="name">Full Name:</label>
    <input type="text" id="name" required>

    <label for="date">Travel Dates:</label>
    <input type="date" id="date" required>

    <label for="destination">Destination:</label>
    <select id="destination" required>
        <option>----Select-----</option>
        <option>Maldives</option>
        <option>Europe</option>
        <option>Dubai</option>
    </select>

    <label for="package">Select Package:</label>
    <select id="package" required>
        <option>----Select-----</option>
        <option>Beach Paradise</option>
        <option>European Explorer</option>
        <option>Desert Adventure</option>
    </select>

    <button type="submit">Submit Booking</button>
</form>
</body>
</html>
```



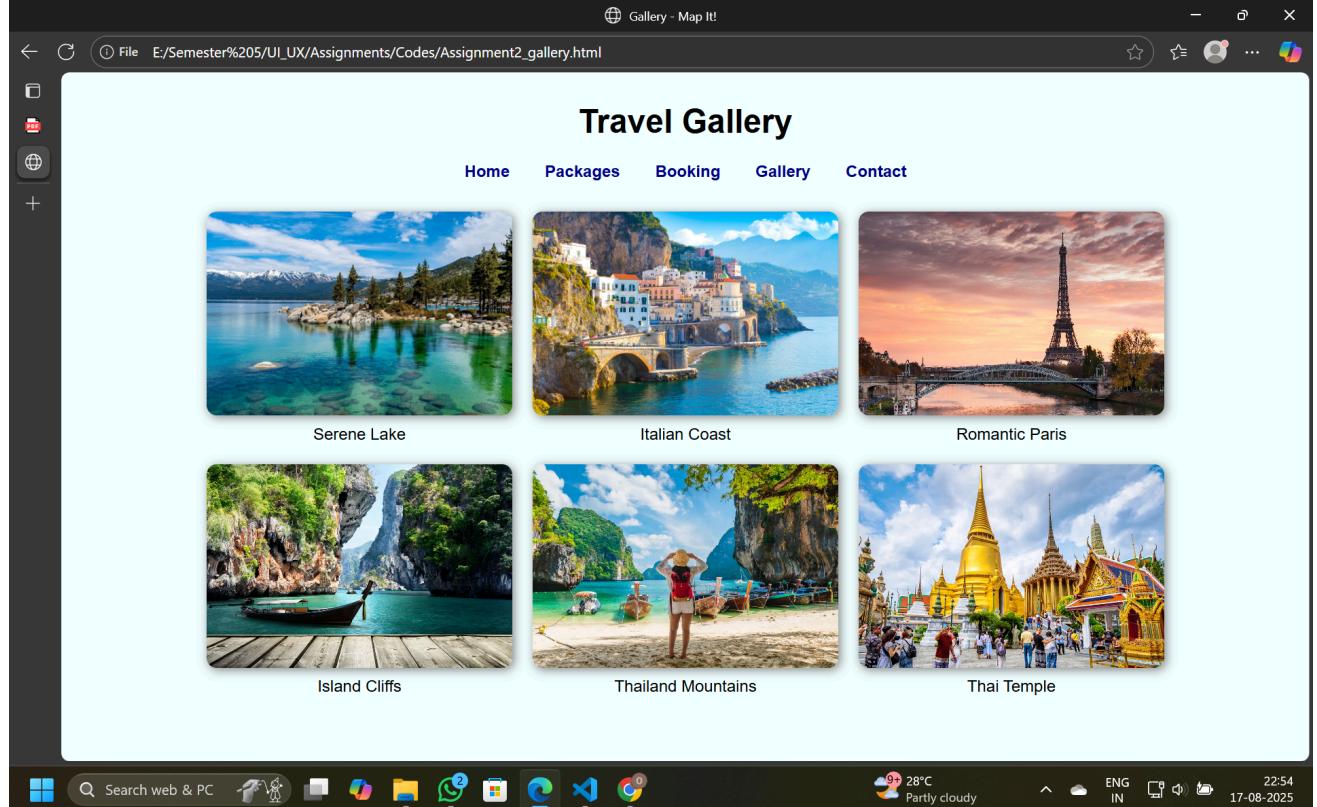
Gallery:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Gallery - Map It!</title>
    <style>
        body { background-color: azure; font-family: Arial, sans-serif; margin: 30px; }
        h1 { text-align: center; }
        .gallery { display: flex; flex-wrap: wrap; gap: 20px; justify-content: center; }
        .gallery img { width: 300px; height: 200px; object-fit: cover; border-radius: 10px; box-shadow: 2px 2px 10px gray; }
        .caption { text-align: center; font-size: 16px; margin-top: 5px; }
        nav { text-align: center; margin-bottom: 30px; }
        nav a { margin: 0 15px; text-decoration: none; font-weight: bold; color: darkblue; }
    </style>
</head>
<body>
    <h1>Travel Gallery</h1>
    <nav>
```

```
<a href="Assignment2_home.html">Home</a>
<a href="Assignment2_packages.html">Packages</a>
<a href="Assignment2_booking.html">Booking</a>
<a href="Assignment2_gallery.html">Gallery</a>
<a href="Assignment2_contact.html">Contact</a>
</nav>

<div class="gallery">
    <div>
        
            <div class="caption">Serene Lake</div>
        </div>
        <div>
            
                <div class="caption">Italian Coast</div>
            </div>
            <div>
                
                    <div class="caption">Romantic Paris</div>
                </div>
                <div>
                    
                        <div class="caption">Island Cliffs</div>
                    </div>
                    <div>
                        
                            <div class="caption">Thailand Mountains</div>
                        </div>
                        <div>
                            
                                <div class="caption">Thai Temple</div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
```

```
</div>
</body>
</html>
```



Contact:-

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Contact - Map It!</title>
    <style>
        body { background-color: azure; font-family: Arial, sans-serif; margin: 30px; }
        h1 { text-align: center; }
        p { text-align: center; font-size: 18px; }
        .social { text-align: center; margin-top: 20px; }
        .social a { margin: 0 10px; text-decoration: none; font-size: 20px; color: darkblue; }
        nav { text-align: center; margin-bottom: 30px; }
        nav a { margin: 0 15px; text-decoration: none; font-weight: bold; color: darkblue; }
    </style>
</head>
```

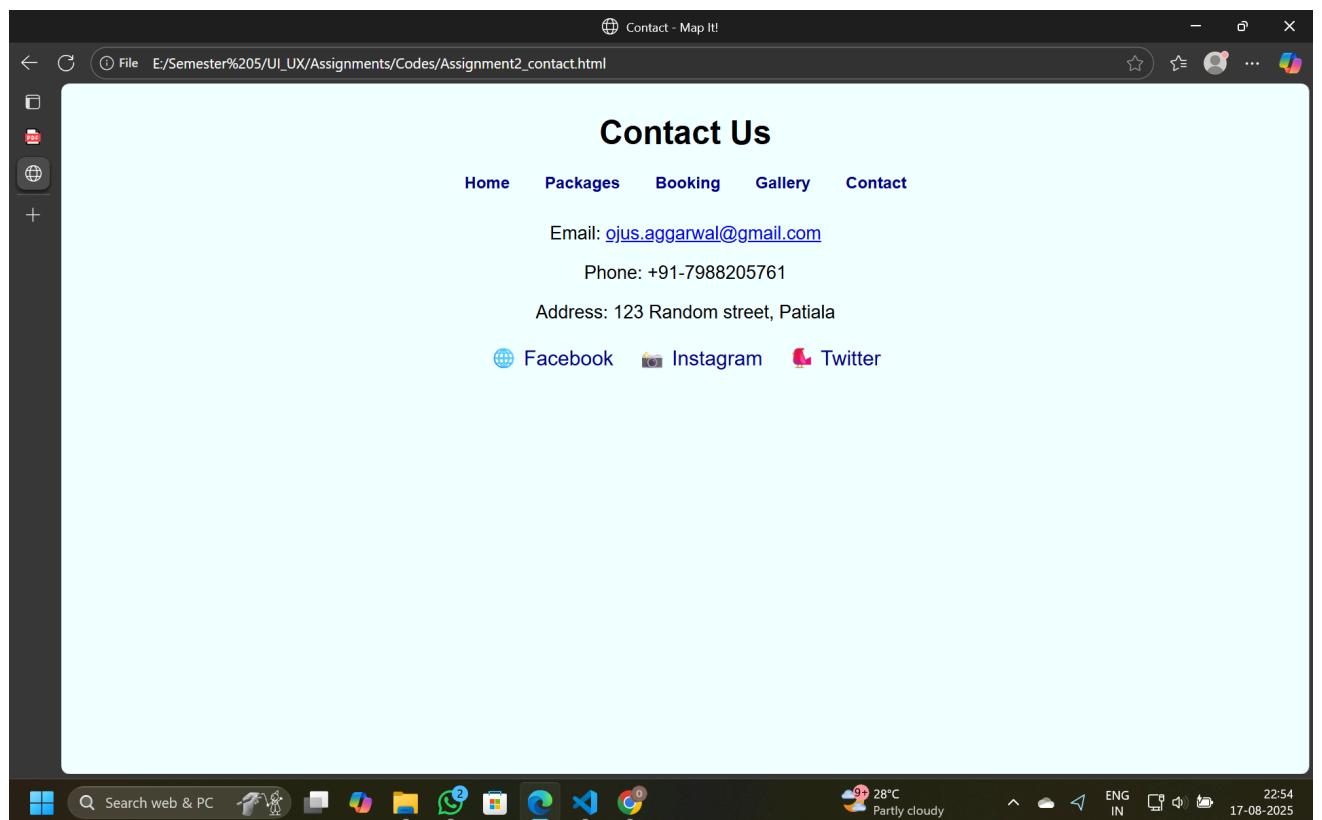
```

<body>
    <h1>Contact Us</h1>
    <nav>
        <a href="Assignment2_home.html">Home</a>
        <a href="Assignment2_packages.html">Packages</a>
        <a href="Assignment2_booking.html">Booking</a>
        <a href="Assignment2_gallery.html">Gallery</a>
        <a href="Assignment2_contact.html">Contact</a>
    </nav>

    <p>Email: <a href="mailto:ojus.aggarwal@gmail.com">ojus.aggarwal@gmail.com</a></p>
    <p>Phone: +91-7988205761</p>
    <p>Address: 123 Random street, Patiala</p>

    <div class="social">
        <a href="#"> Facebook</a>
        <a href="#"> Instagram</a>
        <a href="#"> Twitter</a>
    </div>
</body>
</html>

```



Assignment 1

Question: Design a single page personal portfolio website using HTML and CSS. Your webpage must incorporate the following HTML & CSS features:

1. HTML Document Structure: `<!DOCTYPE html>, <html>, <head>, <body>, <title>`
2. Page Headings and Text: Use of `<h1>` to `<h3>` for sections like Name, Bio, Education and Text formatting: `<p>` ``, `<i>`, `<u>`, ``, ``, `<mark>`
3. Hyperlinks: External links (e.g., LinkedIn, GitHub), Internal page navigation (e.g., jump to Education, Projects)
4. Images: Profile photo with Image attributes: width, height, alt, title
5. Table: Academic qualifications table, Include headers, rows, rowspan, colspan, and styling
6. Lists: Ordered list for timeline, Unordered list for skills

Your web page layout should be like contain website

- Main website heading,
- Header with Tagline or short intro,
- Section 1: About Me (Paragraph + Image)
- Section 2: Education (Table with degree, year etc)
- Section 3: Skills (List with styled bullets/icons)
- Section 4: Projects (Text + link + optional image)
- Section 5: Contact (Email, social media links)
- Footer: “Made by [Your Name]”

Solution:

- Code:-

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Ojus Aggarwal CV</title>
    <style>
        body {
            background-color: black;
            color: white;
            margin: 20px;
        }

        h3 {
            color: #ffcc00;
        }

        a {
            color: #66ccff;
        }

        img {
            border-radius: 8px;
        }

        table {
            border-collapse: collapse;
            width: 90%;
            margin-left: 20px;
            background-color: #222;
        }

        table,
        th,
        td {
            border: 1px solid white;
            padding: 8px;
        }

        th {
            background-color: #444;
        }
    </style>
</head>
<body>
    <h1>Ojus Aggarwal</h1>
    <h2>CV</h2>
    <h3>About Me</h3>
    <p>I am Ojus Aggarwal, a final year student at IIT Madras. I have a strong passion for technology and a desire to make a positive impact in the world. I am currently working on my final year project, which involves developing a mobile application for managing grocery delivery services. In my free time, I enjoy playing soccer, reading books, and exploring new technologies. I am always looking for opportunities to learn and grow, and I am excited about the future.</p>
    <h3>Education</h3>
    <table>
        <thead>
            <tr>
                <th>Degree</th>
                <th>Institution</th>
                <th>Year of Passing</th>
            </tr>
        <tbody>
            <tr>
                <td>B.Tech</td>
                <td>IIT Madras</td>
                <td>2024</td>
            </tr>
        </tbody>
    </table>
    <h3>Skills</h3>
    <ul>
        <li>Java</li>
        <li>Python</li>
        <li>React Native</li>
        <li>Android Studio</li>
        <li>MySQL</li>
        <li>MongoDB</li>
        <li>Git</li>
        <li>Linux Command Line</li>
    </ul>
    <h3>Projects</h3>
    <ul>
        <li>Grocery Delivery App (Final Year Project)</li>
        <li>Smart Home Control System</li>
        <li>Machine Learning Model for Predicting Stock Prices</li>
    </ul>
    <h3>Contact Information</h3>
    <ul>
        <li>Email: ojus.aggarwal@iitm.ac.in</li>
        <li>Phone: +91 9876543210</li>
        <li>LinkedIn: linkedin.com/in/ojus-aggarwal/</li>
    </ul>
</body>
</html>
```

```

    }

    footer {
        text-align: center;
        margin-top: 20px;
        font-style: italic;
        color: #bbb;
    }

```

</style>

</head>

<body>

Personal Information

<pre>

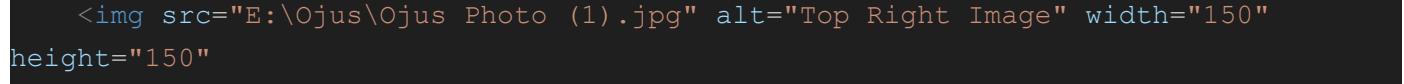
Name: Ojus Aggarwal

Contact Number: +91 7988205761

E-mail: ojus.aggarwal1602@gmail.com

LinkedIn: LinkedIn

</pre>



Professional Summary

<p>

Motivated Electronics and Computer Engineering student skilled in

AutoCAD, C/C++, Python, and microcontroller programming.

Strong problem-solving abilities, teamwork, and adaptability, demonstrated through

academic projects and sports.

Passionate about embedded systems, IoT, and technical innovation.

</p>

<h3>Educational Information</h3>

<table>

<tr>

<th>Course</th>

<th>University/Institution</th>

<th>Duration</th>

<th>Percentage/CGPA</th>

</tr>

<tr>

<td>10th</td>

<td>DAV Public School, Parwanoo</td>

```

<td>2021</td>
<td>97%</td>
</tr>
<tr>
<td><b>12th</b></td>
<td>Stepping Stones Senior Secondary School, Chandigarh</td>
<td>2023</td>
<td>87%</td>
</tr>
<tr>
<td><b>B.E.</b></td>
<td>Thapar Institute of Engineering and Technology, Patiala</td>
<td>Ongoing</td>
<td>9.44</td>
</tr>
</table>
<h3><b>Skill Set</b></h3>
<ul>
<li><b>Programming Languages:</b> Python, Java, C++, C#</li>
<li><b>Operating Systems:</b> Windows, Linux, macOS</li>
<li><b>Embedded Systems:</b> Arduino, STM32, Keil µVision, RTOS</li>
<li><b>Design Tools:</b> AutoCAD (2D/3D), Eagle (PCB), LTspice</li>
</ul>
<h3><b>Relevant Coursework</b></h3>
<ul>
<li><b>Hardware and Systems:</b> Digital Logic Design, Microprocessor & Microcontroller Systems, Embedded Systems, Analog & Digital Electronics</li>
<li><b>Software & Programming:</b> Data Structures & Algorithms, MATLAB, Verilog/VHDL, Python</li>
<li><b>Applied Engineering:</b> Control Systems, Communication Systems, Power Electronics, Signals & Systems</li>
</ul>
<h3><b>Projects</b></h3>
<ul>
<li><b>Arduino-Controlled Mangonel Catapult:</b> Designed a compact catapult with IR triggered launch and ultrasonic sensors for distance/velocity measurement.</li>
<li><b>Arduino-Based Smart Buggy:</b> Developed a wireless buggy with obstacle avoidance, path following, and auto-parking using XBee and ultrasonic sensors.</li>

```

```
<li><b>AI and Multimodal Techniques for Early Identification of High-Risk  
Pregnancies:</b> Currently working on a wrist band integrated with  
sensors to monitor vitals of  
mother and display them on a mobile app.</li>  
</ul>  
<h3><b>Achievements</b></h3>  
<ul>  
    <li>2× State Gold Medalist & 1× District Gold Medalist in ABACUS  
(2015-19)</li>  
    <li>School Topper in Class 10th (97.2%)</li>  
</ul>  
<h3><b>Certifications</b></h3>  
<ul>  
    <li>Python for Beginners | Udemy | 2024</li>  
</ul>  
<h3><b>Interests</b></h3>  
<ul>  
    <li><b>Technology:</b> IoT, Microcontrollers, Data Structures application,  
and  
        Microcontroller Programming</li>  
    <li><b>Sports:</b> Chess, Football, Badminton</li>  
</ul>  
<h3><b>Additional Personal Details</b></h3>  
<pre>  
<b>Date of Birth:</b> 16th February, 2005  
<b>Father's Name:</b> Mr. Anand Parkash  
<b>Mother's Name:</b> Mrs. Shalini Gupta  
<b>Language Proficiency:</b> English, Hindi, Punjabi  
<b>Country (Citizen):</b> India  
</pre>  
<footer>  
    Made by: Ojus Aggarwal  
</footer>  
</body>  
  
</html>
```

Ojus Aggarwal CV

File E:/Semester%205/UI_UX/Resume.html

Personal Information

Name: Ojus Aggarwal
Contact Number: +91 7988205761
E-mail: ojus.aggarwal1602@gmail.com
LinkedIn: [LinkedIn](#)



Professional Summary

Motivated **Electronics and Computer Engineering** student skilled in **AutoCAD, C/C++, Python, and microcontroller programming**. Strong problem-solving abilities, teamwork, and adaptability, demonstrated through academic projects and sports. Passionate about embedded systems, IoT, and technical innovation.

Educational Information

| Course | University/Institution | Duration | Percentage/CGPA |
|--------|---|----------|-----------------|
| 10th | DAV Public School, Parwanoo | 2021 | 97% |
| 12th | Stepping Stones Senior Secondary School, Chandigarh | 2023 | 87% |
| B.E. | Thapar Institute of Engineering and Technology, Patiala | Ongoing | 9.44 |

Skill Set

- Programming Languages:** Python, Java, C++, C#
- Operating Systems:** Windows, Linux, macOS
- Embedded Systems:** Arduino, STM32, Keil µVision, RTOS
- Design Tools:** AutoCAD (2D/3D), Eagle (PCB), LTspice

Relevant Coursework

- Hardware and Systems:** Digital Logic Design, Microprocessor & Microcontroller Systems, Embedded Systems, Analog & Digital Electronics
- Software & Programming:** Data Structures & Algorithms, MATLAB, Verilog/VHDL, Python
- Applied Engineering:** Control Systems, Communication Systems, Power Electronics, Signals & Systems

Search icon

Cloud icon

29°C Mostly cloudy

ENG US

23:46

10-08-2025

Ojus Aggarwal CV

File E/Semester%205/UI_UX/Resume.html

- Hardware and Systems: Digital Logic Design, Microprocessor & Microcontroller Systems, Embedded Systems, Analog & Digital Electronics
- Software & Programming: Data Structures & Algorithms, MATLAB, Verilog/VHDL, Python
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- Arduino-Controlled Mangonel Catapult: Designed a compact catapult with IR-triggered launch and ultrasonic sensors for distance/velocity measurement.
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- AI and Multimodal Techniques for Early Identification of High-Risk Pregnancies: Currently working on a wrist band integrated with sensors to monitor vitals of mother and display them on a mobile app.

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- 2× State Gold Medalist & 1× District Gold Medalist in ABACUS (2015-19)
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Certifications

- Python for Beginners | Udemy | 2024

Interests

- Technology: IoT, Microcontrollers, Data Structures application, and Microcontroller Programming
- Sports: Chess, Football, Badminton

Additional Personal Details

Date of Birth: 16th February, 2005
Father's Name: Mr. Anand Parkash
Mother's Name: Mrs. Shalini Gupta
Language Proficiency: English, Hindi, Punjabi
Country (Citizen): India

Made by: Ojus Aggarwal

23:47
ENG US 10-08-2025