

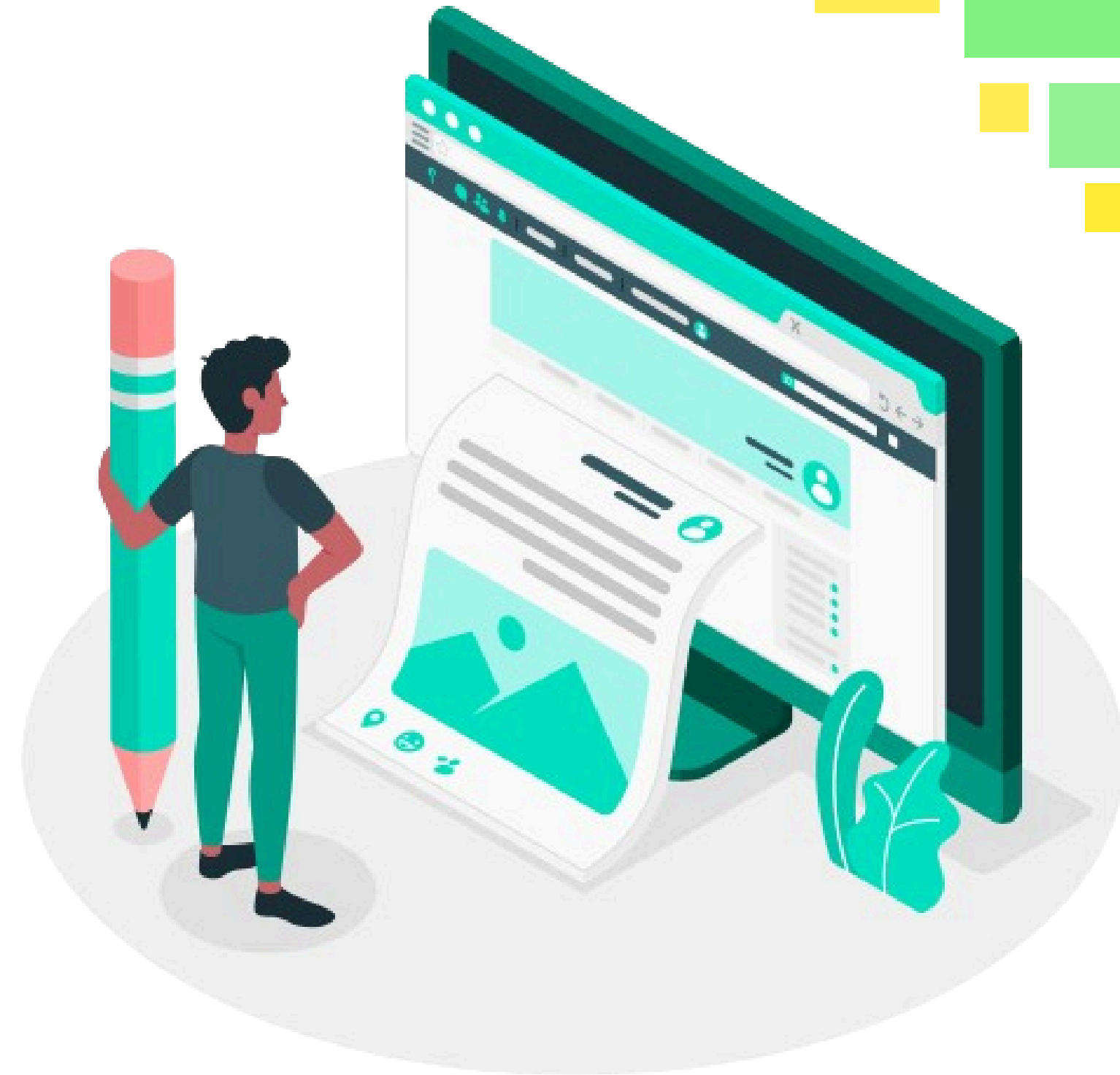
**Codveda** 

# Web Development



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# About Us



Welcome to Codveda Technology, where innovation meets excellence. Founded with a vision to empower businesses through cutting-edge IT solutions, we specialize in delivering tailored services that drive success in the digital era.

At Codveda, we offer a diverse range of services, including web development, app development, digital marketing, SEO optimization, AI/ML automation, and data analysis.

Our team of skilled professionals is committed to helping businesses unlock their full potential by providing innovative, scalable, and reliable solutions.

# INSTRUCTIONS

- Update your LinkedIn profile with your achievements, including the offer letter and completion certificate. Mention and tag @Codveda in your posts.
- Use hashtags like #CodvedaJourney, #CodvedaExperience, and #FutureWithCodveda to showcase your progress and experiences.
- Share your project completion updates on LinkedIn, accompanied by a video explanation and the GitHub project repository link.
- You will be provided with four tasks. Select and complete any three tasks within your domain to fulfill the internship requirements.
- Submit your completed tasks via the Codveda submission form. Ensure all tasks are submitted within the allocated 15-day period.

# SUBMISSION

- Create a professional video showcasing your internship projects and achievements.
- Host the video on LinkedIn to provide proof of your work and establish credibility among your peers. Consider tagging Codveda Technology in your posts to ensure they are notified of your work using hashtags like #CodvedaAchievements and #CodvedaProjects.
- A SUBMISSION FORM will be shared later. Till then, please continue your tasks and maintain a separate file for each level.
- When posting the video on LinkedIn, include engaging content that highlights your contributions and skills. Tailor the post to your specific internship domain to maximize impact and visibility.

# Level 1 (Basic)

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## Task 1: Build a Simple Static Website

- Description: Create a basic static website with multiple pages, such as a homepage, about page, and contact page.

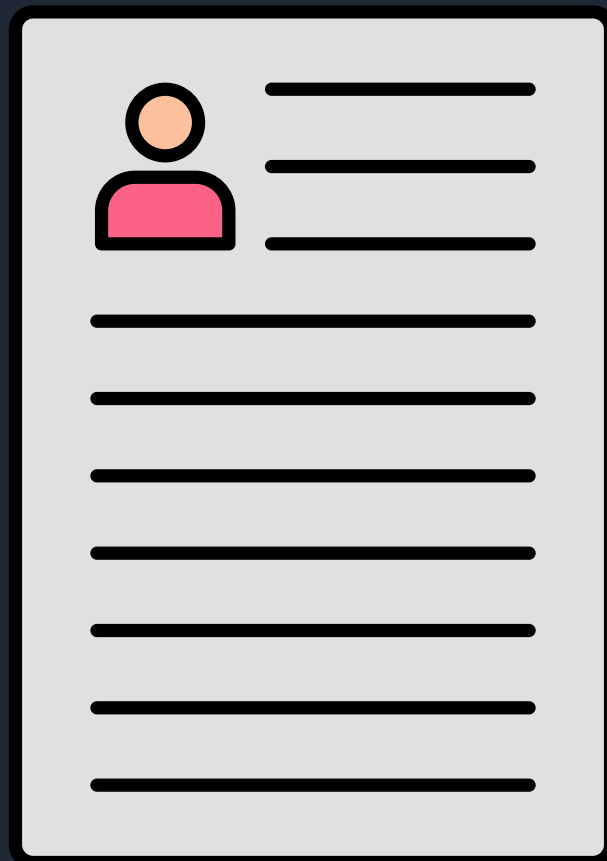
### Objectives:

- Use HTML for structure and CSS for styling.
- Add essential elements like navigation bar, images, and footer.
- Ensure basic responsiveness using CSS media queries.



# Level 1 (Basic)

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## Task 2: Create a Portfolio Webpage

- Description: Design a personal portfolio page to showcase projects or skills.

### Objectives:

- Use HTML and CSS to create a single-page layout.
- Add sections for an introduction, projects, and contact information.
- Style the page with custom fonts, colors, and animations.

# Level 1 (Basic)

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## Task 3: Introduction to JavaScript

- Description: Add basic interactivity to a webpage using JavaScript.

### Objectives:

- Create interactive elements like dropdowns, modals, and forms.
- Write basic JavaScript functions and event listeners.
- Validate form inputs using JavaScript.



## Level 2 (Intermediate)

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# Task 1: Responsive Web Design with Flexbox and Grid

- Description: Build a responsive webpage layout using CSS Flexbox and Grid.

## Objectives:

- Use Flexbox for page layout and alignment.
- Use CSS Grid for organizing sections (e.g., photo gallery or blog layout).
- Ensure the layout adapts to various screen sizes (desktop, tablet, mobile).

## Level 2 (Intermediate)

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## Task 2: Build a To-Do List App with JavaScript

- Description: Create a functional to-do list app that allows users to add, delete, and mark tasks as complete.

### Objectives:

- Use HTML and CSS for layout and design.
- Implement JavaScript for adding, updating, and deleting tasks.
- Store tasks in the browser's local storage to persist data.

## Level 2 (Intermediate)

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### Task 3: Introduction to Front-End Frameworks (React or Vue).

- Description: Build a small project using a front-end framework like React or Vue.

### Objectives:

- Set up a project using create-react-app or Vue CLI.
- Understand the basics of components, props, and state management.
- Create a simple component-based app (e.g., a weather app or calculator).



# Level 3 (Advanced)

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## Task 1: Build a Full-Stack CRUD

### Application

- Description: Create a full-stack web application with CRUD functionality (e.g., blog, task manager).

### Objectives:

- Set up a back-end server with Express or Django.
- Create a REST API to handle CRUD operations.
- Build a front-end with React or Vue that interacts with the back-end API.
- Use a database (e.g., MongoDB, PostgreSQL) to store data.
- Tools: Node.js, Express, or Django, React/Vue, MongoDB/PostgreSQL.

## Level 3 (Advanced)

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## Task 2: User Authentication System

- Description: Implement a user authentication system for a web application.

### Objectives:

- Set up user registration and login functionality using a back-end server.
- Use JWT (JSON Web Tokens) or session-based authentication to manage user sessions.
- Secure sensitive routes and implement password hashing.
- Tools: Node.js, Express, MongoDB, JWT or session handling.

# How to Contact Us?

For additional information, kindly  
get in touch with our team.



.@codveda



support@technofyz.com



www.codveda.com