2024

CodeCraft: Intro to Web Development with HTML, CSS & JS

OVERVIEW

The CodeCraft Intro to Web Development with HTML, CSS & JS course provides participants with a comprehensive introduction to building websites using HTML, CSS and JavaScript. Over two days, participants will learn the fundamentals of web development, including HTML structure, CSS styling, and JavaScript interactivity. Through a combination of lectures and hands-on workshops, participants will gain practical skills in creating basic web pages and adding interactivity to enhance user experience.

Latest training session photo

OBJECTIVES

- Understand the basic structure and components of web development, including HTML, CSS and JavaScript.
- Learn how to create well-structured HTML documents and apply CSS styles to enhance the visual presentation of web content.
- Gain proficiency in JavaScript syntax, including variables, data types, control structures, and functions.

- Develop skills in manipulating the Document Object Model (DOM) to dynamically update web page content and respond to user interactions.
- Integrate HTML, CSS and JavaScript to create interactive web pages with dynamic functionality.

WHO SHOULD ATTEND?

- Individuals who are new to web development and want to learn the fundamentals of building websites.
- Beginners who have some basic knowledge of HTML, CSS or JavaScript but want to deepen their understanding and practical skills.
- Professionals in non-technical roles who want to gain a basic understanding of web development concepts for career advancement or personal interest.
- Students and aspiring developers who are considering a career in web development and want to start with foundational knowledge.

PREREQUISITES

- No prior experience in web development is required. This course is suitable for absolute beginners.
- Basic computer literacy and familiarity with using a web browser are recommended.
- Participants should come with a willingness to learn and engage in hands-on activities to reinforce their understanding of web development concepts.

ALL PARTICIPANTS WILL RECEIVE

- Training manuals/documentation.
- Certification upon completion of the CodeCraft: Intro to Web Development with HTML, CSS & JS course.
- Excellent care and attention from instructors and staff.
- Unlimited attendance to the CodeCraft: Intro to Web Development with HTML, CSS & JS (limited to 5 repeat attendees per training session; if you wish to attend the workshop again, please contact our Facebook Page, Line, Email, or other channels to reserve your seat).

OUTLINE

- Introduction to Web Development
  - Overview of HTML, CSS and JavaScript.
  - Importance of each in web development.
- HTML Essentials
  - Structure of an HTML document.
  - HTML tags and elements.
  - Basic HTML tags: <html>, <head>, <title>, <body>, <h1>-<h6>, <p>, <a>, <img>, etc.
  - Semantic HTML elements: <header>, <nav>, <main>, <section>, <article>, <footer>.
- CSS Basics
  - Introduction to CSS.
  - CSS syntax: selectors, properties, values.
  - Different ways to apply CSS: inline, internal, external.
  - Basic CSS properties: color, font, margin, padding, etc.
- Hands-on HTML
  - Creating a basic HTML document.
  - Structuring content using HTML tags.
  - Building a simple webpage with text and images.
- Styling with CSS
  - Applying CSS styles to HTML elements.
  - Experimenting with basic CSS properties to change the appearance of elements.
  - Creating a styled webpage.
- Adding Interactivity with JavaScript
- Introduction to JavaScript
  - What is JavaScript?
  - JavaScript's role in web development.
  - Basic JavaScript syntax: variables, data types, operators, control structures.
- DOM Manipulation
  - Understanding the Document Object Model (DOM).
  - Accessing and modifying HTML elements with JavaScript.
  - Event handling: responding to user actions.
- Introduction to Functions
  - Declaring and calling functions.
  - Parameters and return values.
  - Function expressions vs. function declarations.
- Interactive Web Pages with JavaScript
  - Adding JavaScript to manipulate HTML elements dynamically.
  - Creating interactive features such as buttons, forms, and simple animations.

- Putting It All Together
  - Integrating HTML, CSS and JavaScript to create a fully functional web page.
  - Refining the webpage design and functionality.
- Project Work and Q&A
  - Participants work on a small project applying what they've learned.
  - Instructor provides guidance and assistance as needed.
  - Q&A session to address any remaining questions or concerns

CONTACT INFORMATION

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