Web Development and Best Practices: 1-Week Intensive

5 – 9 September 2027
Online



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Why This Course

In today's digital-first world, web development is no longer just a technical skill — it's a gateway to creating impactful online experiences, engaging audiences, and driving business success. Mastering web development requires more than coding knowledge; it demands creativity, problem-solving, and the ability to translate ideas into fully functional, responsive websites.

This intensive 1-week Web Development program equips participants with practical skills in HTML, CSS, and JavaScript, blending hands-on practice with modern web design principles. Through immersive exercises and real-world projects, learners gain the confidence and expertise to build professional websites that perform, adapt, and impress.

What You'll Learn and Practice

By attending this course, you will:

- Gain proficiency in core web technologies: HTML5, CSS3, and JavaScript.
- Design responsive and mobile-friendly web layouts that adapt to any device.
- Implement dynamic features and interactivity using JavaScript and DOM manipulation.
- Apply web development best practices for performance, accessibility, and SEO.
- Build, deploy, and showcase a fully functional website from scratch.

The Program Flow

Day 1: HTML Fundamentals and Structure

- Introduction to web development and HTML5 basics.
- Understanding document structure and semantic markup.
- Working with forms, input elements, and accessibility standards.
- Hands-on exercise: Building your first structured web page.

Day 2: CSS Styling and Layout

- CSS selectors, the box model, and typography.
- Creating layouts with Flexbox and Grid.
- Responsive design principles for multiple devices.
- Introduction to CSS preprocessors SASS basics.
- Workshop: Styling your web page and creating a responsive layout.



Day 3: JavaScript Essentials

- JavaScript syntax, data types, and core programming concepts.
- Functions, objects, arrays, and control structures.
- DOM manipulation and event handling for interactivity.
- Asynchronous JavaScript, Promises, and basic API calls.
- Exercise: Making your web pages interactive.

Day 4: Advanced Web Development Techniques

- Integrating external APIs and working with fetch requests.
- Managing local storage and session data.
- Optimizing images, media, and overall website performance.
- Workshop: Improving functionality and speed of your website.

Day 5: Project Development and Best Practices

- Version control with Git for collaborative development.
- Web security essentials and safe coding practices.
- Deployment strategies and hosting options.
- Final Project: Building a complete, responsive, interactive website from scratch.

Individual Impact

- Strengthen your coding skills and confidence in web development.
- Develop practical problem-solving and design thinking capabilities.
- Gain experience building websites that meet professional standards.
- Build a portfolio-ready project to showcase your skills.

Work Impact

- Enhance your ability to create interactive, user-friendly web experiences.
- Improve team collaboration by applying modern web development practices.
- Deliver websites optimized for performance, accessibility, and search engines.
- Equip yourself or your organization with adaptable, scalable web solutions.

Training Methodology

This program combines theory, practice, and hands-on projects to ensure learners can apply knowledge immediately:

- Real-world web development exercises and mini-projects.
- Collaborative workshops to reinforce coding concepts.
- Step-by-step guided instruction for building complete websites.
- Access to templates, frameworks, and best-practice guides for continued learning.



Beyond the Course

Graduates of this program leave ready to:

- Design and deploy professional websites from scratch.
- Implement responsive, interactive, and high-performing web applications.
- Maintain best practices in coding, security, and user experience.
- Expand their digital capabilities to support personal projects or business objectives.

