

AI-Powered Web Development

COURSE OVERVIEW

The landscape of web development is undergoing a radical transformation. This course moves beyond traditional coding to master the use of Artificial Intelligence as a collaborative partner in the web development process. The course covers responsive design, AI-driven features such as chatbots and recommendation systems, and practical projects to build and deploy AI-enhanced web applications, preparing students for the future of smart web development. Participants will learn to leverage cutting-edge AI tools to accelerate coding, generate intelligent user interfaces, personalize content dynamically, and integrate powerful features like chatbots and computer vision all while maintaining robust code quality and architectural best practices.

WHO SHOULD ATTEND?

This course is designed for front-end and full-stack developers, UI/UX designers, product managers, and tech entrepreneurs who want to integrate AI tools and methodologies into their web development workflow to build smarter, more efficient applications.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Utilize AI coding assistants (e.g., GitHub Copilot) to accelerate development, debug code, and generate complex functions.
- Prompt AI tools to generate component libraries, design systems, and responsive layouts.
- Integrate AI APIs for advanced features like natural language chatbots, sentiment analysis, and image recognition into web applications.
- Implement data-driven personalization engines that dynamically adapt content and user experiences.
- Architect and deploy intelligent, full-stack web applications that leverage AI capabilities.
- Apply ethical considerations and best practices for performance, security, and accessibility in AI-powered web projects.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- How to effectively use AI coding assistants to accelerate development and debug code.
- Methods for generating responsive layouts and component libraries through AI prompting.
- Techniques for integrating AI APIs like chatbots and computer vision into web applications.
- Approaches to implementing dynamic content personalization and recommendation systems.
- Strategies for architecting full-stack applications with embedded AI capabilities.
- Best practices for maintaining code quality and performance in AI-enhanced projects.
- Ethical considerations and security measures for AI-powered web applications.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded