Course : Developing a dynamic website with AI

Entrust the writing of your code to artificial intelligence

Practical course - 4d - 28h00 - Ref. DIH

Price : 2200 € E.T.

NEW

L'intelligence artificielle (IA) devient un puissant allié dans le processus de création de sites web. Cette formation permet de découvrir et d'utiliser de la façon la plus pertinente les outils d'IA appliqués aux sites web et se faire assister par une IA pour la partie développement et création de pages.

Teaching objectives

At the end of the training, the participant will be able to:

- Understanding web fundamentals
- Master the technical environment of a website
- Discover the main AI tools for web development
- Use "good" prompts to create your own website
- Access data in a relational database
- Manage a website

Intended audience

Web developers and project managers.

Prerequisites

Basic knowledge of technical architectures.

Practical details

Hands-on work

Creation of complex HTML pages. Creation of style sheets, page preparation for SEO.

Course schedule

PARTICIPANTS

Web developers and project managers.

PREREQUISITES

Basic knowledge of technical architectures.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

1 Website technologies

- Web servers (Apache, Nginx, etc.).
- Understand the basic operation of TCP/IP, HTTP and FTP protocols.
- URLs. Additional network services (DNS servers).
- Buying and managing a domain name. Choosing a hosting provider. Technical architecture. Organization.
- Discover the main AI tools for web development.

2 Creating web pages: HTML 5

- Introduction to HTML 5 languages. Browser differences.
- Structure, links, hypertext.
- SVG Webp graphics resources. Use Photoshop or Gimp Inkscape.
- Create and use tables.
- Techniques for successful search engine optimization. Meta-tags.

Hands-on work

Create structured HTML pages with Claude.ai.

3 Creating web pages: CSS 3

- Integrate/create a graphic charter.
- Use graphic tools to design an advanced interface.
- SVG Webp graphics resources. Use Photoshop, Gimp, Inkscape.
- Responsive layout.

Hands-on work

Production of a CSS file according to a graphic charter with the help of Claude.ai. Mixing AI and traditional design for a professional, original look.

4 Form creation

- Constraints and advantages. Syntax, structure, input fields, buttons, checkboxes, lists, text boxes, multiple selection...

Hands-on work

Create a form with an AI according to precise instructions.

5 Ergonomics and accessibility of a web application

- Graphic charter. Usability rules. Graphic pitfalls to avoid to make a site accessible to all (navigation, layout, etc.).
- Accessibilité. Norme. Impact sur le développement. Mettre en conformité un site web. Outils de test et de validation en production.

Hands-on work

Ask AI to enhance a site's accessibility.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

6 Introduction to JavaScript

- Language syntax. Form input controls.
- Using Ajax and DOM manipulation.
- Introduction to the ECMAScript standard.
- Presentation of JavaScript-based offerings on the market (Google API, Widgets...).
- Recover and debug your programs.
- Call an API.

Hands-on work
Ask the AI to write JavaScript functions needed for a site. Call an AI for an Ajax call.

7 Dynamic page creation

- Difference between web server and database server.
- Server scripting languages and their development platforms: PHP, Ruby, Python.
- Operating mode, security. GET and POST methods. Server variables.
- Web servers on the market.
- Integration of SQL queries in the page to insert, delete or modify data in the database.
- Create a page to display the contents of a database.
- Create a page to modify/insert/delete the contents of a database.

Hands-on work
Développer des pages dynamiques, interrogation d'une base de données et de services web à l'aide de requêtes précises.

8 Website administration

- Implementation of all administration operations carried out by the webmaster.
- Domain name management, FTP transfer.
- Create customized error messages, manage log files.
- Statistics monitoring and analysis.
- Learn how to use AI to optimize a website's Search Engine Optimization (SEO).

Dates and locations

REMOTE CLASS
2026 : 26 May, 13 Oct., 17 Nov.

PARIS LA DÉFENSE
2026 : 26 May, 13 Oct., 17 Nov.