

Web Development Using PHP with AI Integration | Duration: 1 Month

Week 1: Foundations of Web Development

- Understanding Web Development:
- Overview of web development processes and project structure
- Introduction to the tech stack: HTML5, CSS3, PHP, MySQL, Ajax, AI integration
- Building the Front-End:
- Structuring web pages with HTML5
- Styling pages for responsiveness and aesthetics with CSS3
- Adding interactivity with JavaScript
- Ajax Integration:
- Implementing dynamic content loading without page refresh

Week 2: Backend Development with PHP

- PHP Fundamentals:
- Syntax, variables, control structures, and functions
- Form Handling:
- Managing user inputs with validation and error handling
- Session Management:
- Implementing user authentication with sessions and cookies
- Database Connectivity:
- Connecting PHP to MySQL
- Performing CRUD operations (Create, Read, Update, Delete)
- Advanced Database Operations:
- Securing queries with prepared statements
- Handling complex queries with joins and indexes

Week 3: AI Integration

- Understanding AI in Web Development:
- Identifying AI use cases and exploring available tools
- Connecting to AI APIs:
- Integrating APIs (e.g., OpenAI, Google AI) with PHP
- Building AI Features:
- Creating chatbots for instant user support
- Developing recommendation systems for personalized content
- Integrating data analysis tools to enhance user experience

Week 4: Project Development and Deployment

- **Project Development:**
- Planning project architecture
- Implementing front-end, back-end, and database integration
- Integrating AI-powered features into the project workflow
- **Testing and Debugging:**
- Identifying and fixing bugs
- Optimizing performance
- **Deployment:**
- Configuring the server and deploying the project to a live environment
- **Final Presentation:**
- Showcasing the project and receiving feedback
- Preparing the project for portfolio inclusion

Key Takeaways:

- Master full-stack web development with PHP and MySQL
- Integrate AI-powered functionalities into web applications
- Build real-world projects to showcase in your portfolio
- Gain hands-on experience with modern development practices and tools

By the end of this course, you'll have a fully functional
AI-driven web application ready to be deployed and showcased.
Let's build the future — one smart app at a time!

Web Development Using PHP with AI Integration | Duration: 2 Months

Week 1: Introduction to Web Development

- Overview of web development and project structure
- Setting up the development environment (XAMPP, VS Code, etc.)
- Understanding the tech stack: HTML5, CSS3, JavaScript
Ajax, PHP, MySQL, AI integration
- Structuring web pages with HTML5
- Styling with CSS3 for responsiveness and aesthetics

Week 2: Front-End Development

- Enhancing interactivity with JavaScript
- Making asynchronous requests with Ajax
- Building dynamic user interfaces
- Creating responsive layouts for different devices

Week 3: PHP Fundamentals

- Introduction to PHP: Syntax, variables, data types, and operators
- Control structures, loops, and functions
- Handling forms and processing user inputs
- Error handling and data validation

Week 4: Backend Development and User Authentication

- Managing sessions and cookies for user tracking
- Implementing login, registration, and password management
- Structuring PHP applications for maintainability
- Securing web applications: Preventing common vulnerabilities

Week 5: Database Management with MySQL

- Introduction to MySQL and database design principles
- Creating and managing databases and tables
- Performing CRUD operations (Create, Read, Update, Delete)
- Using prepared statements to prevent SQL injection
- Advanced queries: Joins, indexes, and stored procedures

Week 6: AI Integration in Web Applications

- Understanding AI and its applications in web development
- Exploring AI APIs (e.g., OpenAI, Google AI)
- Integrating AI APIs with PHP for data processing
- Implementing AI-powered features:
 - Chatbots for instant support
 - Recommendation engines for personalized content
 - Data analysis for user insights

Week 7: Project Development

- Planning the project architecture
- Implementing front-end, back-end, and database connectivity
- Integrating AI-powered features into the project
- Testing and debugging for performance optimization

Week 8: Deployment and Final Presentation

- Configuring the server (Apache) and deploying the project to a live environment
- Setting up the domain and SSL configuration
- Post-launch maintenance and performance optimization
- Final project presentation and feedback session

Key Takeaways:

- Master web development with PHP, MySQL, and Ajax
- Integrate AI-powered functionalities into web applications
- Build real-world projects and deploy them live
- Develop the skills required to start a career as a web developer with AI expertise

By the end of this program, you'll have a fully functional
AI-powered web application, ready to showcase in your portfolio!

Web Development Using PHP with AI Integration | Duration: 3 Months

Week 1: Introduction to Web Development

- Understanding the web development process
- Overview of the tech stack: HTML5, CSS3, JavaScript, Ajax, PHP, MySQL, AI integration
- Setting up the development environment: XAMPP, VS Code, GitHub

Week 2: Front-End Development

- Structuring web pages with HTML5
- Styling with CSS3 for responsiveness and aesthetics
- Adding interactivity with JavaScript

Week 3: Dynamic Front-End with Ajax

- Introduction to Ajax for asynchronous communication
- Implementing dynamic content loading without page refresh

Week 4: Front-End Project

- Building a simple front-end project with form handling and data display
- Testing and optimizing the front-end

Month 2: Backend Development with PHP and Database Management

Week 5: PHP Fundamentals

- Introduction to PHP: Syntax, variables, data types, control structures
- Creating reusable functions and handling errors

Week 6: Handling User Inputs

- Managing forms and validating user inputs
- Implementing error handling mechanisms

Week 7: User Authentication and Session Management

- Implementing login, registration, and password management
- Managing sessions and cookies for user tracking

Week 8: Database Integration with MySQL

- Connecting PHP to MySQL
- Performing CRUD operations (Create, Read, Update, Delete)
- Advanced queries: Joins, indexes, and stored procedures

Month 3: AI Integration, Project Development, and Deployment

Week 9: Understanding AI in Web Development

- Exploring AI use cases in web applications
- Introduction to AI APIs (e.g., OpenAI, Google AI)

Week 10: Building AI-Powered Features

- Integrating AI APIs with PHP
- Creating chatbots for instant user support
- Implementing recommendation engines and sentiment analysis

Week 11: Project Development

- Planning the project architecture
- Implementing front-end, back-end, and database connectivity
- Incorporating AI-powered features into the workflow

Week 12: Testing, Deployment, and Presentation

- Debugging and performance optimization
- Configuring the server and deploying the project to a live environment
- Presenting the project and preparing for job interviews

Industrial Training Curriculum

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Key Takeaways:

- Master full-stack web development with PHP and MySQL
- Integrate AI-powered functionalities into web applications
- Build real-world projects to showcase in your portfolio
- Gain hands-on experience with modern development practices and tools

By the end of this course, you'll have a fully functional AI-driven web application ready to be deployed and showcased. Let's build the future — one smart app at a time!

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