



AJAX and Advanced JavaScript Training Course

Project Based Immersive Learning Course

Course Overview?

The Education Nest AJAX and Advanced JavaScript Certification Training Course have been designed by a team of industry experts to provide you with the necessary skills to design and develop interactive websites. It is a practical course that offers hands-on experience with essential topics such as JavaScript variables, data types, functions, objects, classes, operators, and parameters. Moreover, it enables users to implement complex features on their web pages while also covering more advanced topics like script validation and API testing.

Benefits of AJAX and Advanced JavaScript Training Course :

JavaScript is widely recognized as the primary language used in web browsers. As of today, JavaScript interpreters are readily available on various computing devices worldwide, such as smartphones, laptops, personal computers, and even televisions. This programming language is the preferred choice of numerous companies and developers for its ability to interact with databases, produce dynamic content, make HTTP requests, and create

interactive user interfaces. Acquiring proficiency in JavaScript is simple and can potentially lead to career advancement opportunities.

Who should learn:

- Anyone interested in this domain
- Software developers
- Aspiring web developers

Why do you need AJAX and Advanced JavaScript Training Course?

Average Salary Growth:

According to data from PayScale, the average salary for a JavaScript developer in the United States is around \$73,000 per year for an entry-level position. With more experience, a mid-career JavaScript developer can earn an average of around \$93,000 per year, while a senior JavaScript developer can earn an average of around \$115,000 per year. However, it's important to note that salaries can vary greatly depending on the location and industry.

Industries:

The demand for JavaScript developers in various MNCs (multinational corporations) is generally high, as JavaScript is one of the most widely used programming languages in web development. Many MNCs require JavaScript developers to work on various projects such as web applications, mobile applications, and other software development projects. Some of the top MNCs that hire JavaScript developers include Google, Amazon, Microsoft, PayPal, Uber, Facebook, Walmart, Netflix, Apple, and IBM.

Position in Market:

According to W3Techs, a web technology survey firm, JavaScript is used by 97.7% of all websites as of April 2021. This indicates that the overwhelming majority of websites use JavaScript in some capacity. According to the United States Bureau of Labor Statistics (BLS), the employment of web developers, which includes JavaScript developers, is

projected to grow 8 percent from 2020 to 2030, which is faster than the average for all occupations.

Designations:

- Junior JavaScript Developer/Programmer
- Senior JavaScript Developer/Programmer
- Full Stack JavaScript Developer/Programmer
- JavaScript Engineer
- JavaScript Architect

Why AJAX and Advanced JavaScript Course from Education Nest

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**
- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

Key Skills Covered:

- web interactivity
- JQuery
- Data Manipulation
- JavaScript
- animations

AJAX and Advanced JavaScript Course Syllabus

JavaScript Basics

- Introduction of JavaScript
- Features of Js
- Java Vs. JavaScript
- JavaScript Syntax
- JavaScript Popup boxes
- Data types and Variables in JavaScript
- Strings and Arrays in JavaScript
- Type Conversions in JavaScript
- Operators in JavaScript
- Spread Operator
- Conditional Statements in JavaScript
- Looping Statements in JavaScript

Functions and Internal Memory Management

- JavaScript Functions
- Types of functions in JavaScript
- Arrow Functions
- Rest Parameter
- Scope of a Variable
- Difference among var, let and const keywords
- Array Methods (forEach(), map(), filter(), reduce())
- Memory Management

Objects and Event Handling

- JavaScript Objects
- Object Properties
- JavaScript Object Methods
- JavaScript Object Constructors
- Object Prototypes
- JavaScript Classes
- Class Methods

- Inheritance
- Browser Object Model (BOM)
- BOM Location and History Object
- HTML Document Object Model (DOM)
- DOM Events and Event Listeners
- HTML Form Validations
- Debugging using ChromeDev Tools

Libraries and Frameworks

- JavaScript Error Handling
- Validation
- Promises
- Async and Await Functions
- Postman
- JavaScript Libraries, Frameworks and Tools

AJAX

- What is AJAX and why it is important
- XMLHttpRequest(XHR) Object
- Introduction of JSON
- Working with JSON Data
- Using jQuery to perform AJAX requests
- AJAX vs Traditional Web Applications
- Advanced AJAX Techniques
- AJAX Frameworks and Libraries

Regular Expressions (RegEx) in JavaScript

- JavaScript Regular Expressions
- Modifiers, Brackets and Meta characters
- Quantifiers and RegExp Object
- Object Properties and Object Method

Career Support

Profile Building :

Experienced professionals are available to offer tailored assistance in crafting your CV and online profiles, taking into account your unique educational and experiential background.

Interview Preparation :

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.

Job Referrals :

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

Continuous Support :

We offer continuous support for as much time as you need it, and a considerable number of our learners receive multiple interviews offers and promising employment opportunities as a result of the abilities they gain during the program.