

WEB DEVELOPMENT

*become a
web developer*

- PROGRAM: 100% JOB GUARANTEE OR REFUND*

HIGHLIGHTS OF THE LEARNING PATH

-  **100+ HOURS OF ONLINE AND OFFLINE CLASSES**
-  **1:1 MENTORING**
-  **CAREER SERVICES AND INTERNSHIP OPPORTUNITY**
-  **500+ CERTIFIED STUDENTS**



WHAT IS WEB DEVELOPMENT ?



- Web development is one of the biggest domain in IT With unlimited opportunities. in which you make websites for different business freelances to make their presence on internet.
- Full stack developers are most in demand as they know all front end, backend & database technologies.

ABOUT THE COURSE



- Being a beginner you will go through some basics of front end development technologies like HTML & CSS, bootstrap with which you will gain good confidence at coding.
- Also you will have hands-on practice of back-end as well as database technologies such as jquery, Node JS, react JS and many more.
- To become a job-ready candidate you will have good practice through our communication and interview skills module. You will be attending multiple mock interview skill to ease your interview rounds.

WHO SHOULD TAKE THE COURSE ?



- Any college resher student,0-4 Yrs Experience

WHAT WILL YOU LEARN



Basic knowledge of computer.

- Introduction to computer
- Basics of hardware & Networking
- What is Website
- Basics of internet
- How internet works?
- What is server?
- Client-server model

2) HTML 5



- Learn the anatomy of HTML syntax to structure your Websites.
- Understand the HTML boilerplate and HTML doctypes.
- How to structure text in HTML
- How to structure HTML lists to create unordered and ordered Lists.
- How to insert images using HTML
- How to create hyperlinks using anchor tags.
- Understand how to use HTML tables for content.
- How to use tables for layout.
- Learn HTML best practices.
- Understand about HTML forms and create a simple contact I form.
- HTML Dives and how to separate content for CSS styling.

3) CSS3



- Understand what are cascading style sheets and how you can Use it to style your website.
- How to use CSS selectors and properties.
- Learn about how to use inline, internal and external CSS.
- Understand CSS coding best practices.
- Learn about CSS sizing methods.
- Learn the anatomy of CSS syntax and structure
- CSS specificity and implementing style hierarchy.
- Class vs. Ids and how to target each.
- CSS display and how to implement layout.
- How to use CSS static, relative and absolute positioning Systems.
- Font styling using CSS and web safe fonts.
- Centering elements using CSS.

Website design fundamentals and typography.

4) BOOTSTRAP 4



- Learn the fundamentals of implementing responsive web Design.
- How to use Balsamic to mockup and wireframe websites.
- The fundamentals of UI design for websites.
- How to install the Bootstrap framework.
- Understanding the Bootstrap grid layout system.
- How to use bootstrap containers to layout your website Easily.
- Learn to use other Bootstrap components such as buttons.
- Adding symbols using Font Awesome.
- Learn to use Bootstrap carousels.
- Add Bootstrap cards to your website.
- Using Bootstrap navigation bars.

5) JAVASCRIPT ES6



- The Fundamentals of Code
- Starting code with alerts and prompts.
- Understand Variables and Data Types in JavaScript
- Variable naming in JS
- Working with strings and numbers
- Randomization and logical operators
- Loops, collections and Conditionals.
- Functions and invocation patterns
- Discussion of ECMAScript's
- Intermediate JavaScript
- Learn to use JS Expressions, Operators, Statements and Declarations
- Object-Oriented Programming
- JS Objects and Prototypes
- "This, Scope and Closures
- Objects and Prototypes

1) JQUERY



- Installing and using the jQuery framework.
- Learning about jQuery functionality
- Introduction to functions in jQuery
- Manipulating text, styles and attributes with jQuery
- Create animations and customizations with jQuery
- Use your jQuery knowledge to make your website interactive
- Responding to user initiated events with jQuery

2) THE UNIX COMMAND LINE



- How to use basic bash commands in a Unix/Linux Terminal.
- How to manipulate files and folders without needing a Graphical user interface.
- How to download and install to your computer using Command line.

3) GIT GITHUB AND VERSION CONTROL



- Using git for version control and collaboration
- Git forking, branching and cloning
- Using GitHub as a remote repository
- Checkout and rolling back changes with git
- Using git and GitHub with Xcode

4) NODE.JS



- Explore the components of back-end development, working
- With an MVC framework
- Apply concepts like data types, objects, methods, object
- Server-Side JavaScript
- Using Node on the command line
- JavaScript Build Processes
- Event Loop and Emitters
- File System Interaction
- Modules
- Native Node drivers.

5) APPLICATION PROGRAM INTERFACES (APIS)



- Understand what APIs are and how they work.
- HTTP in Depth
- Calling APIs
- Reading API documentation
- Basic API Authentication
- Server to server communication
- JSON vs. XML, sending data over the wire.

1) DATABASE FUNDAMENTALS



- Data Relationships
- Designing a Data Model
- Relational Databases
- Alternative Databases
- Entity Relationship Modelling (ERM) and Object Relational
Mapping (ORM)

2) SQL DATABASES



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3) NOSQL DATABASES WITH MONGODB AND MONGOOSE



- Serialization
- How to model NoSQL data
- Document Databases (MongoDB)
- Create-Read-Update-Destroy (CRUD)
- NoSQL Best Practices
- Mongo Shell and command line use
- Installing MongoDB
- Mapping relationships with MongoDB
- Using an object-data modelling library (Mongoose) to work easily with your data.

4) DEPLOYMENT



- Understand hosting and deployment.
- Hosting static websites with GitHub Pages.
- Deploying server based applications with Heroku.
- Deploying Databases with Mongo Atlas.

5) BUILDING RESTFUL APIs



- Understand REST and guiding principles behind API design
- Learn to work with a MongoDB GUI Robot 3T
- Implementing GET, POST, PUT, PATCH and DELETE by hand
- Public API from scratch.
- Understand and use chained route handlers from Express.

6) REACT.JS



- Learn front-end development with React.
- Understand when and how to use React Components.
- Learn to pass Props and work with them.
- Learn to write JSX and understand JSX syntax.

7) AUTHENTICATION and SECURITY



- Understand the need for authentication and keeping user Details secure.
- Learn about Encryption and use encryption to keep your Database secure.
- Learn and implement Hashing and Salting with crypt
- Using Sessions and Cookies to persist user log in sessions.
- Setting up local authentication from scratch..
- Implementing Passport to authenticate users quickly and Effectively.
- Understand and use environment variables to keep secret keys Secure.
- Understand and use OAuth 2.0 to log in users using Google and Facebook.

Numerical aptitude



- Number System
- Percentage
- Partnership
- Profit & Loss
- Probability
- Inequalities
- Functions
- Logarithm
- Simple & Compound Interest
- Allegation & Mixture
- Average
- Time & Distance
- Time and Work
- Mensuration 2D & 3D
- Permutation and Combination

Logical Reasoning



- Coding-Decoding
- Sitting Arrangements
- Data sequence/Calendars
- Direction Sense Test
- Blood Relations
- Syllogism
- Series
- Analogy Classification
- Alphabet Test
- Clocks
- Puzzle Test
- Statements and Arguments
- Non-Verbal Reasoning
- Cubes and Dice

Communication & interview skills



- Verbal communication occurs when we engage in speaking With others.
- Non-Verbal Communication.
- What we do while we speak often says more than the Actual words.
- Written Communication.
- Listening.
- Visual Communication.

interview skills



- Do your background research.
- Be polite to everyone.
- Watch your body language.
- Watch your real language.
- Review your own resume.
- Prepare for standard questions.
- Prepare your wardrobe.