

Full Stack Web Development Program

Be a demanding **DEVELOPER** to stay ahead!

In collaboration with



**INTERACTIVE
LEARNING**



**PREMIUM
MENTORING**



**INTERVIEW
GUARANTEE**

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Program Details

Why choose us?

- ✓ Live, interactive, with flexible learning schedules Best for working professionals
- ✓ Easiest and flexible payment options along with worry-free multi-device LMS access

- ✓ Choose the right course with personalized career counseling by MAANG experts
- ✓ Industry expert-led sessions consisting of 1:1 sessions on doubts clearance, projects, and assignments

Course Duration:

- Weekday Batches: **9 Months**
Monday to Friday - 2 hours/ day
- Weekend Batches: **11 Months**
Saturday & Sunday - 3.5 hours/ day

Course Prerequisite:

There are no such hard prerequisite criteria. Just the urge to learn programming and basic ideas about advanced math is enough. Rest will be built up by Learnbay

Who is this program for?

- Non-technical professionals, having beginner-level work experience in any industry
- Qualification: BE/B.Tech (from any branch), BBA/MBA, MCA/M.Tech, B.Com, B.Sc (in any branch)

Course Fees:

INR 75,000/- +18% GST

INR 88,500/-

With 100% Job Guarantee

INR 1,20,000/- +18% GST

INR 1,41,600/-

Payment Mode:

- Interest Free Loan
 - Requirement - Aadhar Card, Pan Card & 3-months Payslip
- No Cost EMI on all major credit cards
- Net Banking
- UPI Transaction
- NEFT / IMPS

To know more about course fees & scholarship, [click here](#)

CURRICULUM ATTRIBUTES

1:1 Doubt Clearing Session

- Unlimited number of telephonic doubt clearance sessions
- Prompt solutions on Learnbay Q&A community
- Updated solutions from MAANG experts

Flexible Subscription

- Hassle-free live class access to any batches/Instructor
- Attend multiple sessions with different instructors
- 3 year flexibility of pausing/ resuming/ completing your course

Industrial Experience

- Premium Cloud lab access to work on 12 live MNC case studies
- 2 first-hand capstone projects for real-time industrial exposure
- Industry-Demand Software Development skills

Non-Programmers Support

- Live-interactive special basic coding classes
- 1000+ regularly updated coding assignments
- Multiple industry-paced exclusive hackathons

Job Assistance

- Company/Job role-specific mock interview sessions by experts
- Resume building and online portfolio management tips & tricks
- Assured interview calls until you get a job

Anytime Support

- Round-the-clock prompt tech supports even at odd hours
- 24x7-365 days customer support for payment/ LMS issues
- Buttery smooth On-the-go LMS access on mobile devices

Learn From Experts

- Mentors from MNCs with lead developer role experience
- Learn by working hard on real-world projects that range from advanced levels of complexity to large-scale deployments

Meticulous Counseling

- Individualized scope assessments and modules designing, based on job stage, education, and personal interests
- Seasoned professionals from MNCs/MAANG as a career counselor

OUR PROUD ALUMNI

“



Before joining the DSA course I wasn't confident on any of the topics. I can see the change in my coding abilities after the completion of the course! I even got referrals to product-based companies.

Akanksha Achanti



“



Excellent training and awesome environment! I took data structures and algorithm training in LearnBay. Taught teach concepts clearly and solved as many programs as possible. But felt little difficulty as I opted for online training else everything is good.

Rahul Anand



“



This Course Helped me in getting 6 month SDE INTERNSHIP at AMAZON,India. The advance DSA topics are taught, but he explains in such a simplified manner that even a newbie can catch up very easily.

Kamlesh Sahu



“



I have done the DS & Algo course from Learnbay.He taught us from the basics time complexity, arrays, linked list, stack, queues to advance data structures – trees, graphs, trie, etc. We also studied certain problem-solving techniques and algorithms

Ashutosh Chamoli



“



Before joining the DSA course I wasn't confident on any of the topics. I can see the change in my coding abilities after the completion of the course! I even got referrals to product-based companies.

VISHRUT VATS



“



I attended ds algo course under Learnbay. He discusses multiple approaches to solve any problem starting from brute force to one with less complexity. Assignments are given to practice more problems.It

Manav Jain



“



I took DS course under Learnbay. Irrespective of implementation languages, one can join this. His excellent training methodology and different approaches for solving problems helps to learn quickly.

Manish Jha



“



Learnbay gives you a major platform to enhance your skills and learn the concepts in depth. The best thing about them is that the classes are flexible and they provide recorded videos of the lectures being taught that help you to brush up the concepts

Harsh Jaiswal



OUR PROUD ALUMNI



Learnbay is the best place to add latest skill sets to your profile. Their data structure and algorithm course is class apart, they provide very detailed core concepts and sample of practice over various platforms such as hacker rank.

Anant Raj Singh



Have taken DS course at this institute. Irrespective of implementation languages, one can join this. Cleared many tough concepts in an easy way. Just one suggestion to have a doubt clearance class or discussion on questions raised by students after each topic completion.

Neha Gour



I enrolled for Data Structures and Algorithms course at Learnbay. Prateek Sir's teaching methodology has been really engaging. He entertains all the approaches in the class which helped us to see the problems from multiple angles.

Nikhil Goyal



Great experience in data structure training. The trainer is having a neat and clear understanding in all concepts to make our doubts clear which gives the confidence to challenge any interview with respect to DS.

Sagarika Jena



Good Experience, I did training in data structure and algorithms. Trainers are well knowledgeable and the questions they taught are the same which touches the interview pattern. Taught each concept clearly and solved as many programs as possible.

Jatin Kumar Khilrani

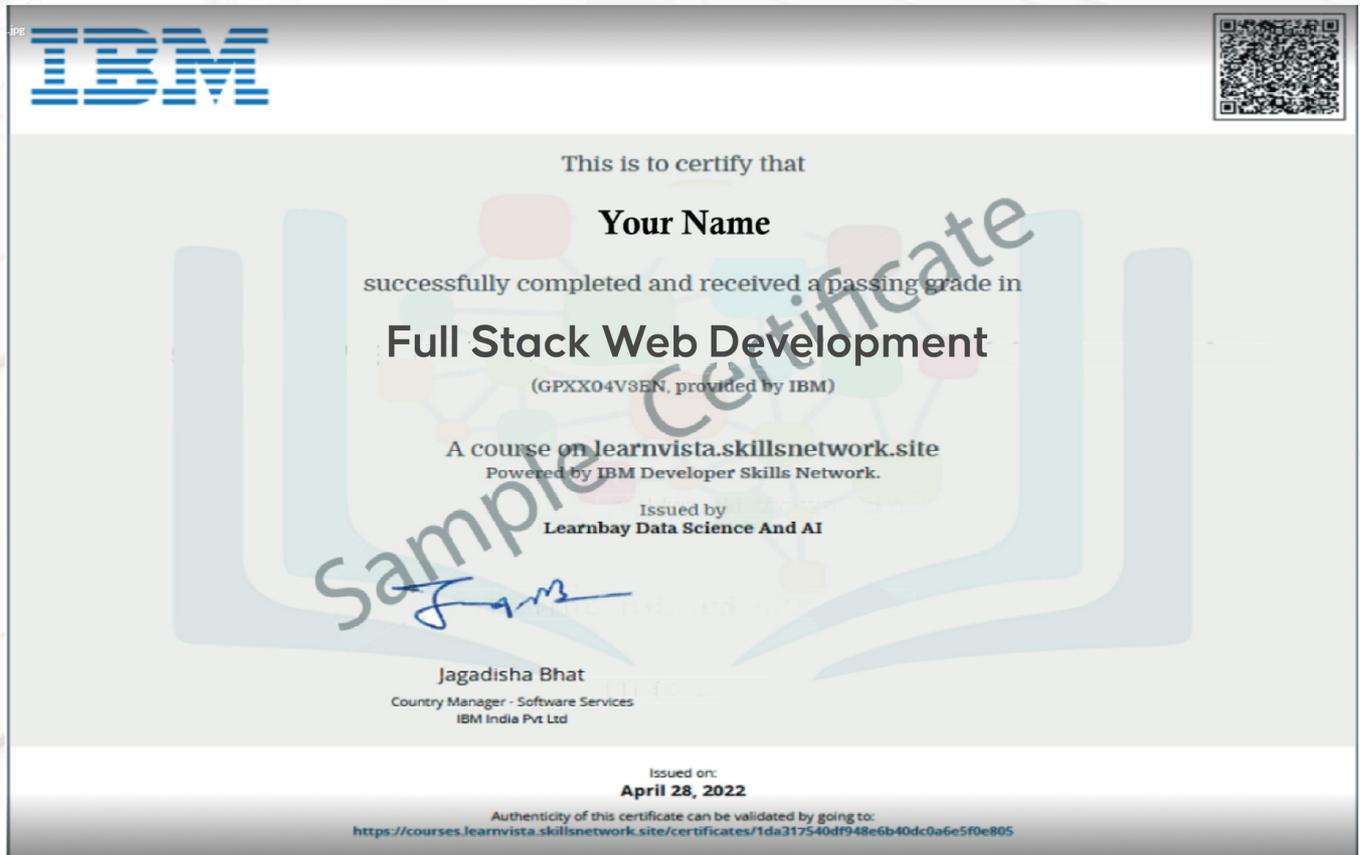


This is a unique place to get trained by experts even if you are already a software professional. Live online classroom sessions enable us to attend the sessions from anywhere in the world but live so we can talk to the trainer during the middle of a session.

Venkataraman R.



IBM CERTIFICATION



Course Completion Certificate from IBM



Complete your training with the internationally recognized certificate

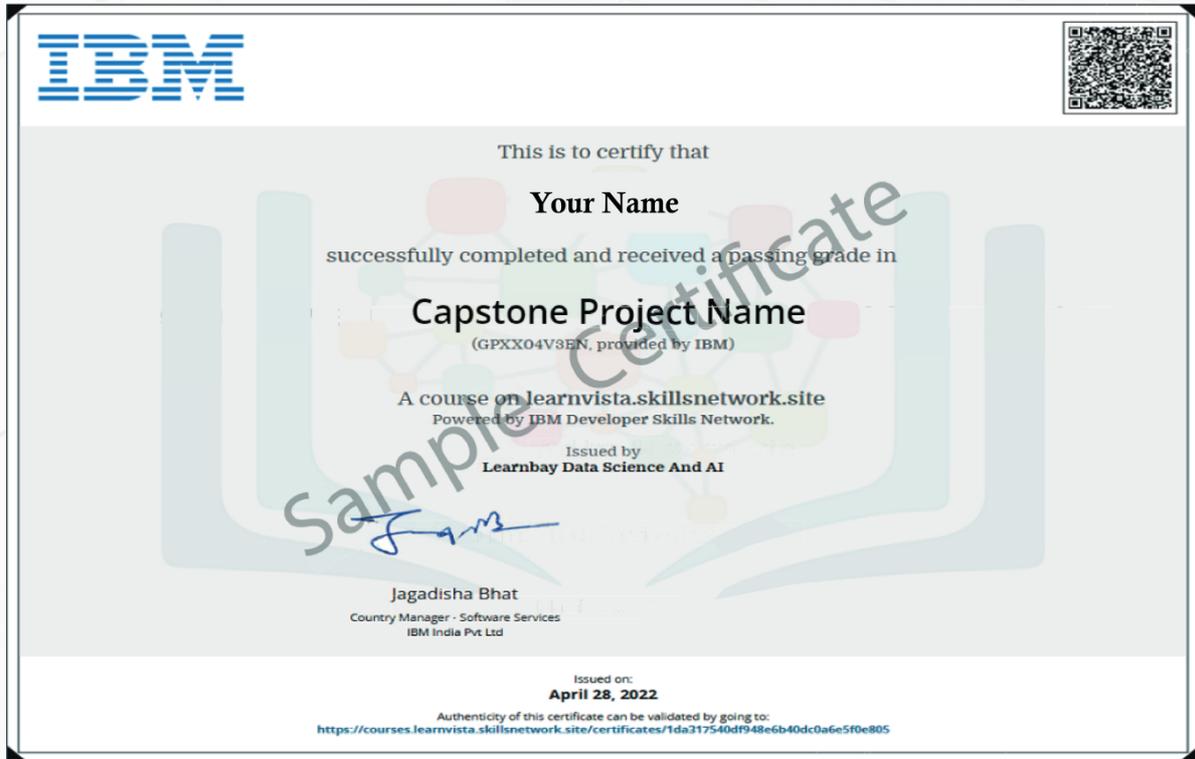


Validate your Web Development skills with IBM Certificate



Get acknowledged in IT sector by adding IBM Certificate to your profile

Capstone Project Certificate



Priority access to startup job sites and requirements for individual projects.



Get certified by IBM on completion of industry-level projects.



Be certified expert of applying various methodologies.

Certificate Benefits

COURSE OUTLINE



Cohort Orientation:

- A quick guide to Full Stack Web Development
- What, Why - Full Stack Development
- How to make it big in the IT Industry and crack MAANG Interviews
- Interview process of top product based MNCs and Unicorns.



Preparatory Session:

- Web fundamentals
- Git and github Basics
- Basic SQL queries to handle data
- Programming Fundamentals
- Mathematics for programming
- Understanding elite domains



Programming Language Refresher

- Syntax, Data Types, Variables, Loops, Conditionals and If Statement
- OOP's, Built in Modules in Python and Java
- Data Structures fundamentals
- How data is stored in Python and Java



COURSE OUTLINE

02

Frontend Development:

- HTML5
- CSS3
- JavaScript
- jQuery
- React
- Angular
- NodeJS ExpressJS
- UI/UX
- Backbone
- DOM

03

Backend Development:

- Express Framework
- SQL NoSQL
- MongoDB
- Design Patterns
- Object Modelling
- JSON
- AJAX
- HTTP
- Spring Boot
- Django

04

Data Base

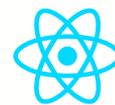
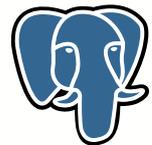
- MySQL
- MongoDB
- PostgreSQL

HTML5

http://



django



Express JS



mongoDB



COURSE OUTLINE

5

Essential tools/techniques for a Full Stack Web Developer

- Version Control
- Selenium
- PostMan
- Trello
- JIRA



6

Deploying Web Applications on Cloud

- Understanding AWS Smart Architecture
- Writing Node.JS Web Server - ready to deploy on App Engine
- Use Firebase authentication to implement federated identity management
- Google Cloud Platform - learn infrastructure deployment service



7

Real-Time Use Cases

- Chatting/Messaging Application
- Food Delivery Application
- VR-Based Application
- Travel Booking Application
- Video Conferencing Application
- Workout Application
- Buy/Sell Second-hand Products
- Stock Investment Application
- Online Code Editor Application



SYLLABUS

Cohort Orientation:

- A quick guide to Full Stack Web Development
- **What, Why** - Full Stack Development
- What is meant by the terms "Frontend," "Backend," "Database," "Testing," "Version Control," "Project Management," and "Cloud Techniques"
- Significance of projects
- Job Opportunities in IT industry
- How to make it big in the IT Industry and crack MAANG Interviews
- Interview process of top **product based MNCs and Unicorns.**
- Scopes/Jobs of a **Full Stack Developer**
- Details about this Full Stack course
- All about - **MEAN** stack and **MERN** stack

Level 00: Preparatory Session

- Web fundamentals
- **Git** and github Basics
- Basic **SQL** queries to handle data
- **Programming** Fundamentals
- **Mathematics** for programming
- Understanding **elite domains**
 - a. Full Stack Development
 - b. Product Engineering / Management
 - c. Data Science and AI
 - d. Web 3.0 Developer
 - e. DevOps and Cloud

Level 01: Programming Language Refresher (Java & Python)

40 hours

- Syntax, Data Types, Variables, Loops, Conditionals and If Statement
- OOP's, Built in Modules in Python and Java
- Data Structures fundamentals
- How data is stored in Python and Java
- Master the command line interface
- File Handling, Regular Expression, Exceptional Handling
- Collection, Framework, Modules & Packages

SYLLABUS

Level 02: Frontend Development

- Enhance Bootstrap's look and feel using the newest **HTML5** and **CSS3** features.
- Getting started with JavaScript
- **JavaScript** - Basic to Advance
- Understanding basics of **jQuery**
- Study the most frequent tags used in **react js, angular, and nodejs**
- Develop layouts that are appealing, accessible, and responsive.
- Learn how to use React JS to create single-page apps.
- Understand basics of **UI/UX (Figma)**
- Implement user authentication
- Overview of **Backbone & Express JS**
- Learn **DOM** Manipulation

Level 03: Backend Development

- Learn **Express** Framework, and make scalable web applications
- **SQL** and **NoSql** Concept
- Understand the logic behind the **MongoDB** data storage
- Introduction to CSS for Backend
- OOPS to design the program using classes and objects.
- Learn **Design Patterns & Object Modelling**
- Learn **JSON & AJAX** to connect to APIs and endpoints
- Web Programming with **Javascript** or Python
- Use **Node JS** to build better user interfaces
- Learn handling **HTTP** requests using ExpressJS
- Learn basic principles of **REST** APIs
- All about **Spring Boot, Django**

Creating web applications from scratch

- Build static **HTML** and **CSS** websites for your portfolio and landing pages.
- **Build a To-Do List Application**
 - This project will improve your front-end techniques with user login and authentication. will also help you understand different types of operations in the database.

SYLLABUS

- Build a fully functional **blog application** from the ground up using Node, Express, and MongoDB
 - The server-side is crucial for archiving blog articles as they are built and for rendering text on the client-side
- On-Demand **Home Service Application**
 - Visitors may use this to search for services based on location, budget, and local vendors.

Level 04: Data Base

- Use **MySQL** to create and manipulate your own databases
- Learn **MongoDB** - Operators, Collections, Indexes, Cloud
- Built-in interface to manage the database objects
- Utilize SQL to produce **insights** and **reports** from real-world data
- Handling data warehouses to web services with several concurrent users using **PostgreSQL**

Level 05: Essential tools/techniques for a Full Stack Web Developer

- Using Git, GitHub for Version Control
- Selenium - For quick, systematic web-application testing
- Sending Collections of API Requests using PostMan
- Discover the fundamentals of a Trello Board, including the lists, cards, and menu
- Using the JIRA library for python

Level 06: Deploying Web Applications on Cloud

- Understanding **AWS** Smart Architecture
- Writing **Node.JS** Web Server - ready to deploy on App Engine
- Use **Firebase** authentication to implement federated identity management
- **Google Cloud Platform** - learn infrastructure deployment service

Real-time Industrial Projects

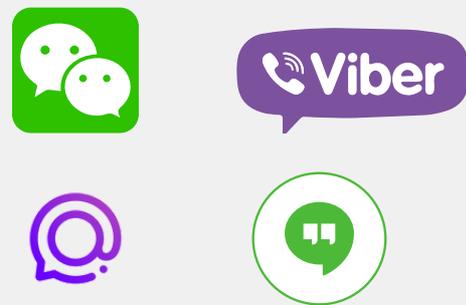
1. Create a To-do List Application

This project will improve your front-end techniques with user login and authentication. And will also help you understand different types of operations in the database. This will help you to master CRUD operation management.



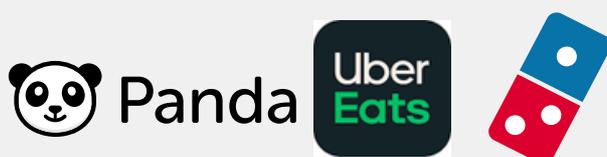
2. Chatting/Messaging Application

You will master the tricks and tips of building a decent-looking and perfectly useful front-end. This project focus on the best practices of making a chat app extremely user-friendly. Other aspects of this project include database merging, socket.io, etc.



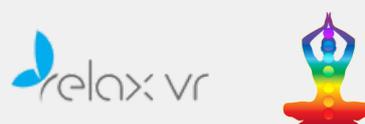
3. Food Delivery Application

This project teaches you how to build a huge, full-stack food-delivering website. You'll construct a restaurant registration backend framework. You need a tasty app front end. Complex database management efficacy is another outcome of this project.



4. VR-Based Application

Create your own VR program with increased audio-visual capabilities. Discover how to use VR applications to reduce stress and anxiety. Uncover the tips for creating calming sound effects and eye-soothing 3-D graphics.



Real-time Industrial Projects

5. Travel Booking Application

The connected website must offer signup, login/logout, and profile creation/editing. This must include a "wishlist box," a "order tracker," personalized suggestions, personalized and occasional discount features, a chatbot, etc. Payment channels and security aspects require more attention. Integration of the 360-degree furniture images feature will make such a project outstanding.



6. Video Conferencing Application

This is a full-stack web development project at the advanced level that includes seamless audio-video call management services. This will include capabilities such as the construction of virtual whiteboards, video-call recorders, audio-call recorders, chat message saving, and so on. Even you can design an integrated code editor for uninterrupted work experience, even during work-from-home.



7. Blog Site

Nothing more than creating a basic content management system is being done here.

An increased content optimization feature and graphics optimization feature are required for such a website or application. Additionally, you must develop tools like comment and feedback management, and social media site connections for improved search engine ranking.



8. Workout Application

These days workout trackers go far beyond the common pedometer. Workout trackers like Strava and FitBit track and store user data like heart rates and run times. Over time, they provide data analysis as well for your performance. Of course, the data bit falls in line with back-end development. But your ability to see this data with clarity and understanding is due to front-end development.



Real-time Industrial Projects

9. Buy/Sell Second-hand Products

The connected website must offer signup, login/logout, and profile creation/editing. This must include a "wishlist box," a "order tracker," personalized suggestions, personalized and occasional discount features, a chatbot, etc. Payment channels and security aspects require more attention. Integration of the 360-degree furniture images feature will make such a project outstanding.



10. On-Demand Home Service Application

This webpage will list local services. Local vendors and service providers can advertise their services, budgets, and locations. It's the best way for a small business to contact app users and locals online. This website must offer an amazing filter and rapid query resolution.



11. Online Code Editor Application

It's an advanced-level web application development project. Here, your focus will be on seamless collaboration, instant hosting of newly released apps, and prototyping. The user-friendliness of such an app will be identified by the ease of setup, multi-language support efficacy, NPM assistance excellence, repository managers integration scopes, etc.



12. Stock Investment Application

In this project, you will learn about building and optimizing multi-use panels and components. Here, you need to work mainly on the front end. The skill that is mostly required for his projects is lookup function generation and portfolio panel designing. There must be a dedicated panel for live stock updates.





Call us now **+91 77 956 87 988**



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