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FOR BEGINNERS AND EXPERIENCED LEARNERS

Full Stack Web Development Course — MERN Stack [updated in 2023]

Learn to build entire web applications from start to finish on one of the most versatile tech stacks : MongoDB, Express.js, React.js and Node.js (MERN stack)



Start your free trial

Enrol now 

4.8 ★

13K+ Learners enrolled

140+

Hours of lectures

6+

Guided projects

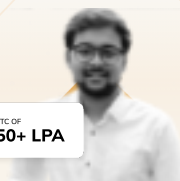



You can be next!
Participate & win upto **100% Scholarship**

Coding Ninjas made
Shubham's dreams soar!

[Participate Now](#)

Shubham Raj
SDE @  CTC OF
50+ LPA

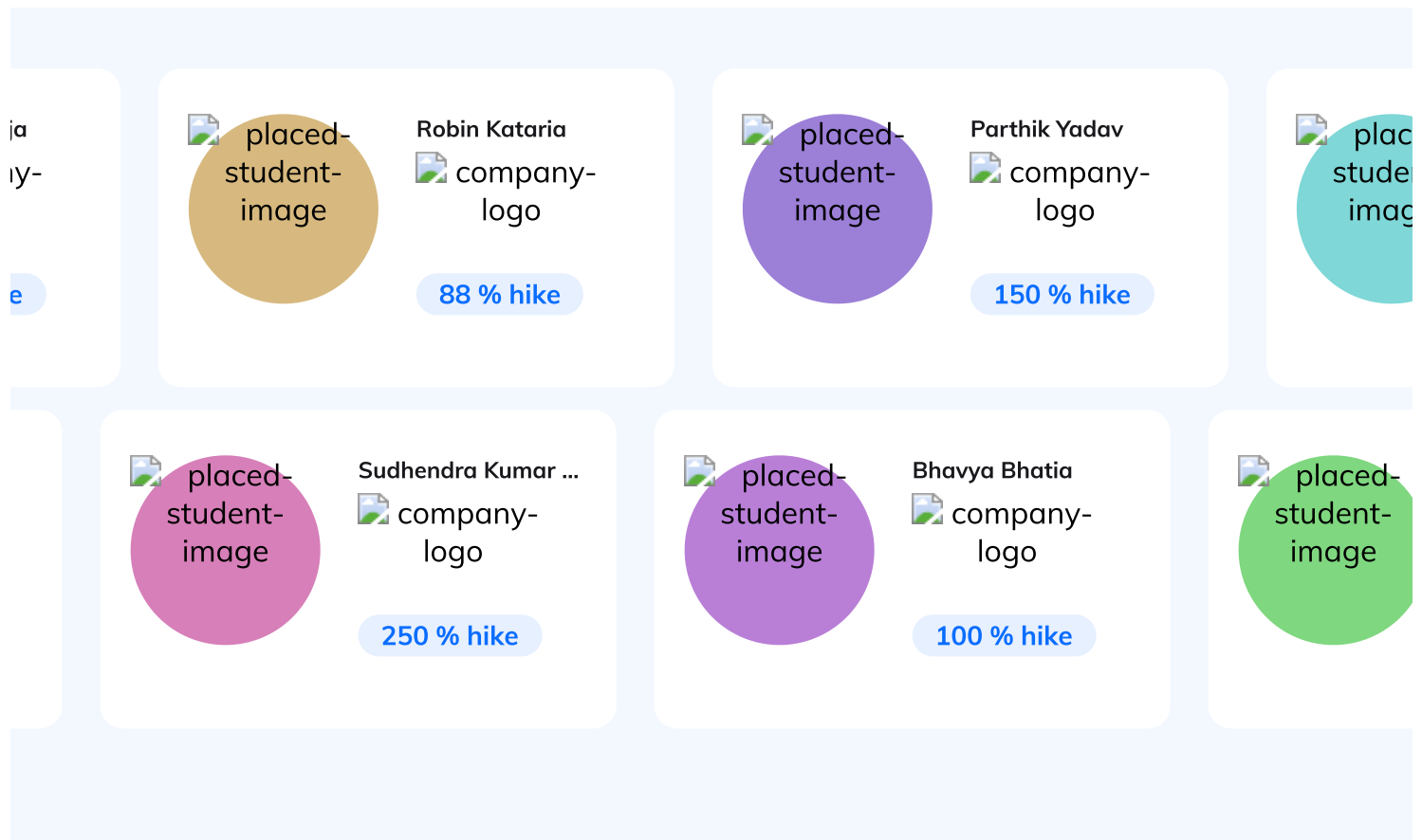


 Offer Ends in :

4d : 10h : 13m : 37s



Our students that took the course got hired at...



This is where you embark on an amazing journey!



Get doubts resolved in 30 mins

1:1 sessions over voice call & chat with our skilled teaching assistants

Features that keep you going



A structured curriculum that makes learning easy



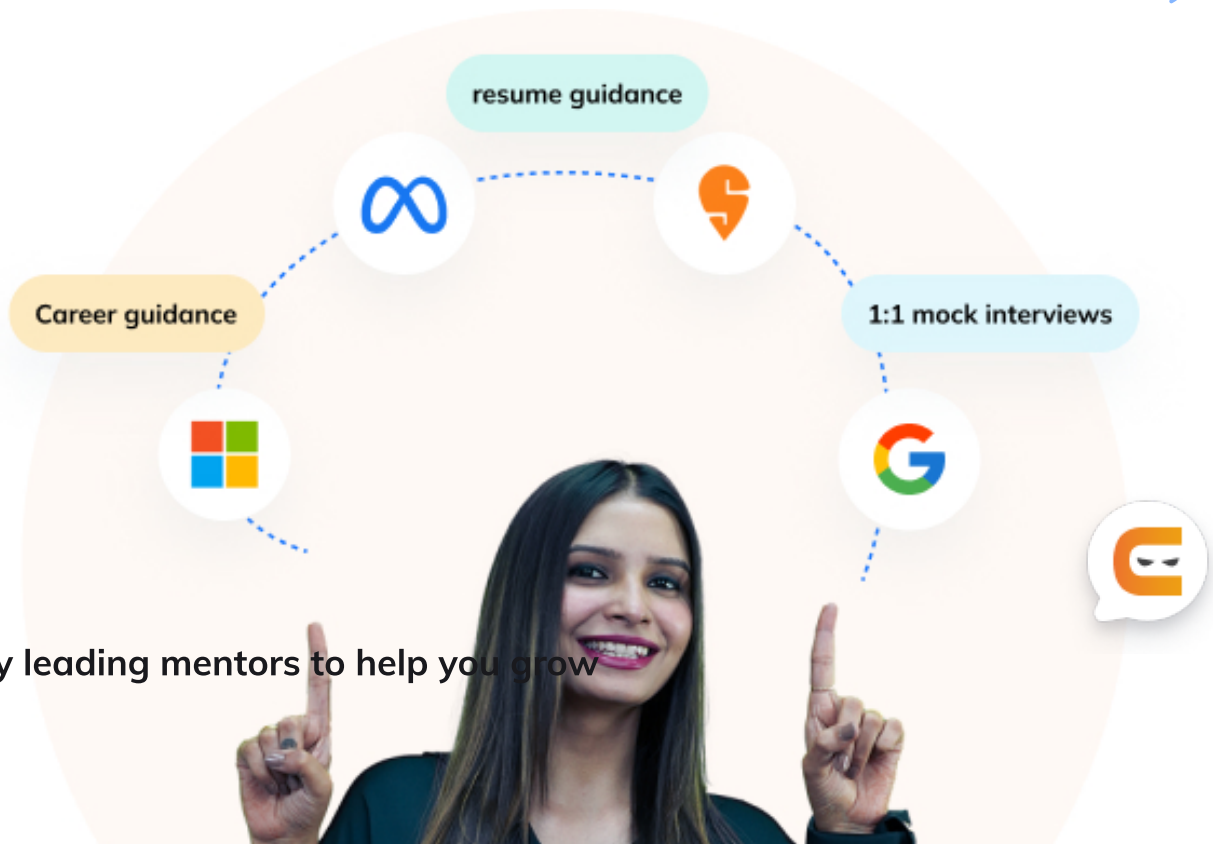
Weekly milestones to keep you motivated



Practice code problems of varying difficulty



Compile & run in an integrated coding environment





1:1 Mock interviews with resume and career guidance



Structured feedback to make you better



Get a chance to be referred to your mentors' company

Most **flexible program** in the industry



Freedom to learn

Watch classes any time at your convenience



Cheat days

Catch up on the course when life is calling you elsewhere





vector



Placement coach

Comprehensive placement package to make you job ready



Resume & portfolio services

Get access to an expert placement coach, professional resume & portfolio services, and Hirst spotlight benefits, with access to our soft skills



Access to Hirst spotlight account



The results



11 LPA

Average CTC



40x

Return on
investment



95%

students bag dream
tech jobs

 [Download our placement report](#)

This can be your success story!

What are you waiting for? Start your journey towards your dream job today.

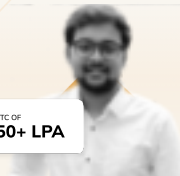



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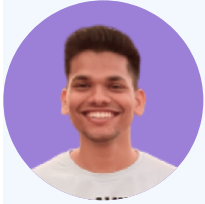
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Start your free trial

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"I would like to dedicate my coding journey to Coding Ninjas. I found their courses very helpful in developing my basic programming concepts."

Sudhanshu Kumar
Software Engineer @ Optum

  Choose the plan that works for you





Basic

Full Stack Web Development Course — MERN Stack

Ideal if you want to learn Frontend or
Backend Web Development

Curriculum

[View full curriculum](#)

-  Introduction to Programming
-  Data Structures and Algorithms
-  Frontend & React
-  Backend

Placement

-  Dedicated placement coordinator



✕ 1-1 Resume review & profile building

₹20,998

EMI starting at ₹3,499/m

₹29,998

Pick a batch

Additional perks

1:1 Expert Doubt support

90 Days course pause

1:1 sessions with Industry Mentors

Resume and profile Building Workshops

2 months Free Course Extension

Curated Interview Problems

Standard

Full Stack Web Development — MERN Stack + Data Structures

Ideal if you want to learn Full stack Web development as well as DSA to succeed in Job Interviews

Curriculum

[View full curriculum](#)

Everything included in **Basic plan**

✓ Data Structures and Algorithms

✕ System Design

✕ Aptitude building

Placement

✕ Dedicated placement coordinator



✕ 1-1 Resume review & profile building

₹27,299

EMI starting at ₹4,549/m

₹38,999

Pick a batch

Additional perks

1:1 Expert Doubt support

120 Days course pause

1:1 sessions with Industry Mentors

Resume and profile Building Workshops

2 months Free Course Extension

Curated Interview Problems

Job Bootcamp for Professionals

Placement Assistance Program

Ideal for 360° personalised learning & placement assistance

Curriculum

[View full curriculum](#)

Everything included in **Standard plan**

- ✓ Operating systems
- ✓ System design
- ✓ Aptitude building

Placement

- ✓ Dedicated placement coordinator



[+5 More](#)

- ✓ 1-1 Resume review & profile building
- ✓ 10 Mock interviews
- ✓ 10 Mentorship sessions

[+2 More](#)

[Book free webinar](#)

Additional perks

Unlimited live 1:1 doubt support

Focused study groups

Dedicated relationship manager

Weekly live learning webinars

📅 Course updated in 2023

Course curriculum for the curious

Basic

Standard

Data Structures and Algorithms

15 hrs

Introduction to Programming

Basics of Programming

[Loops and Functions](#)

WHILE LOOPS

While loops, Flow of execution of statements in while loop, Example problems using while loop

PATTERNS



Introduction to patterns, Basic Patterns, Square Patterns, Triangular Patterns, Character Patterns, Reverse Triangle, Inverted patterns, Isosceles triangles

FOR LOOPS

For loops, Break and Continue, increment - decrement operators

FUNCTIONS

Introduction to functions, Working of function calling, Variables and its scope, Pass by value

Arrays/Lists

INTRODUCTION TO ARRAYS AND LISTS

Introduction to arrays/lists, How arrays/lists are stored in memory, Passing arrays/lists to functions

SEARCHING AND SORTING

Understanding Binary Search, Selection sort, Bubble sort, Insertion sort, Merging two sorted arrays

Strings and 2D Lists

STRINGS

Introduction to strings, storage of strings and their built functions

2D LISTS

2D lists, Storage of 2D lists, Example problems using 2D lists

45 hrs

Data Structures & Algorithms

Problem Solving Techniques

RECURSION

Introduction to recursion, Principle of mathematical induction, Fibonacci numbers, Recursion using arrays, Recursion using strings, Recursion using 2D arrays

TIME AND SPACE COMPLEXITY

Order complexity analysis, Theoretical complexity analysis, Time complexity analysis of searching and recursive algorithms, Theoretical space complexity, Space complexity analysis of merge sort

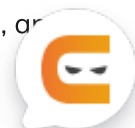
BACKTRACKING

Introduction to backtracking, Problems based on backtracking: Rat in the maze, Word search, and Queens.

Object Oriented Programming

BASICS OF OOPS

Introduction to OOPS, Creating objects, Getters and setters, Constructors and related concepts, Inbuilt constructor and destructor, Example classes



ADVANCE CONCEPTS OF OOPS

Static members, Function overloading and related concepts, Abstraction, Encapsulation, Inheritance, Polymorphism, Virtual functions, Abstract classes, Exception handling

[Linear Data Structures](#)

LINKED LISTS



FOR BEGINNERS
AND
EXPERIENCED
LEARNERS

MERN Full...

Sale ends in

10h : 13m : 37s

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[Trees](#)

GENERIC TREES

Introduction to Trees, Making a tree node class, Taking a tree as input and printing, Tree traversals, Destructor for tree node class

BINARY TREES

Introduction to Binary Trees, Taking a binary tree as input and printing, Binary Tree traversals, Diameter of binary tree

BINARY SEARCH TREES

Introduction to Binary Search Trees, Searching a node in BST, BST class, Inserting and Deleting nodes in BST, Types of balanced BSTs

[Advanced Data Structures](#)

PRIORITY QUEUES

Introduction to Priority Queues, Ways to implement priority queues, Introduction to heaps, Introduction to Complete Binary Trees and its implementation, Insert and Delete operations in heaps, Implementing priority queues, Heap sort, Inbuilt Priority Queue

HASHMAPS

Introduction to Hashmaps, Inbuilt Hashmap, Hash functions, Collision handling, Insert and Delete operation implementation in hashmap, Load factor, Rehashing

TRIES

Introduction to Tries, Making a Trie Node class, Insert, Search and Remove operation implementation in Tries, Types of Tries, Huffman Coding

GRAPHS



Introduction to Graphs, Graph Terminology, Graph implementation, Graph Traversals (DFS and BFS), Weighted and Directed Graphs, Minimum Spanning Trees, Cycle Detection in Graphs, Kruskal's algorithm, Prim's Algorithm, Dijkstra's algorithm

Dynamic Programming

INTRODUCTION TO DYNAMIC PROGRAMMING

Introduction to Memoization, Introduction to Dynamic Programming, Fibonacci numbers using recursion, memoization and dynamic programming

APPLICATIONS OF DYNAMIC PROGRAMMING

Longest Common Subsequence (LCS) using recursion, memoization and dynamic programming, Edit distance using recursion, memoization and dynamic programming, Knapsack problem using recursion, memoization and dynamic programming

Full Stack Web Development | MERN Stack

30 hrs

Frontend

Getting started with Basics

Introduction to HTML

More on HTML

Forms

Intro to CSS

Styling with CSS

Starting with the Resume project

Flex

Completing Resume

Responsive designs

Animations and 3D space

Bootstrap



Getting started with JavaScript



Fundamentals of JS



Loops, Arrays, Function & Objects



Working of JS



Functions in JS



OOP in JS



ES6 Classes



DOM Manipulation



Mini-Project: Quiz Game



JS ASYNCHRONOUS



Modules in js



jQuery



Git



25 hrs

Backend



Getting Started With NodeJS



Modules in NodeJS



Exploring More Modules



Getting Started with Express



Model-View-Controller - I



Model-View-Controller - II



File Upload, Session and Cookies



Getting started with API



Securing APIs



Adding More features to E-Com App



Handling Errors



Getting Started with Databases



MongoDB with NodeJS - I



MongoDB with NodeJS - II



Working with Mongoose - I



Working with Mongoose - II



Socket Programming



Task Runners in NodeJS



Deployment



25 hrs

React.



Introduction to React



Learning JSX



Score-Keeper App



Create-React-App



React Components - I



React Components - II



Styling in React



Component Lifecycle Methods



React Hooks



Firebase 9



React Router v6



Context API



Redux in React



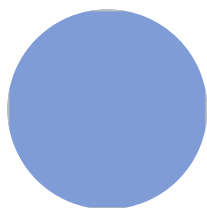
Redux Toolkit



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Meet the faculty legends that will make you legendary

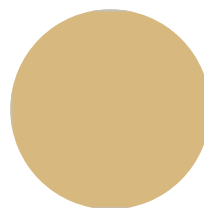


Arpan Garg

Instructor & Founding Member

Teaches

Full Stack Web Development



Manisha Khattar

Instructor & Founding Member

Teaches

Full Stack Web Development



Falak

Ins

Tec

R



Love from our alumni

la

gineer

urse gave
eloping
was able to
also polish
a lot during
ding Ninjas
ip during my

Vinayak Kumar

Coding Ninjas
Intern

Coding Ninjas helped me explore various opportunities when I was in doubt during my 4th semester. Ankush sir is the best mentor I've come across in my life, gradually I moved on to Web Development and Competitive Programming course which helped me sharpen my skills and achieve an off...

Anjali Garg

Google
Software Engineer

I enrolled for the C++ as well as Java courses of Coding Ninjas which helped me a lot. Coding Ninjas gave me enough confidence, I was just not taught how to code but also to build something productive. Gradually I upgraded my skills and started developing web apps. During the...

Being a part of Coding Ninjas was the best decision I made. My internship at Google was for me and C++ helped me to transform myself into a competent AI engineer. Their constant support and guidance helped me th...

Enrol now ↗



Still in doubt? We are here to help you out!

Your Name *

Your Whatsapp number *

Email *



Contact us

Frequently Asked Questions

How do I get my doubts resolved?



Which plan should I take? Basic or Standard?



Where will the classes be conducted?
What are the course timings?



I have done a Coding Ninjas course before. Is there any alumni discount?



How will I benefit from Industry Mentors?



Do I need a computer science background to enrol for this course?



Is there a guarantee that I will get an internship or job after taking this course?



Which companies hire from Coding Ninjas?



Can I do this program along with my college?



What is the approximate stipend offered in internships through the Coding Ninjas placement cell after completing this course?



Can I pay using EMLs?



When will I receive my Co- Branded Course Participation certificate?



My exams are coming; I don't know when my college will start due to COVID; I have lots of work at office, should I take the course or not?

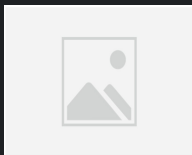


My course is complete and I am unable to access all my content. What should I do?



Not sure about the course yet?
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NINJAS**

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contact@codingninjas.com

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