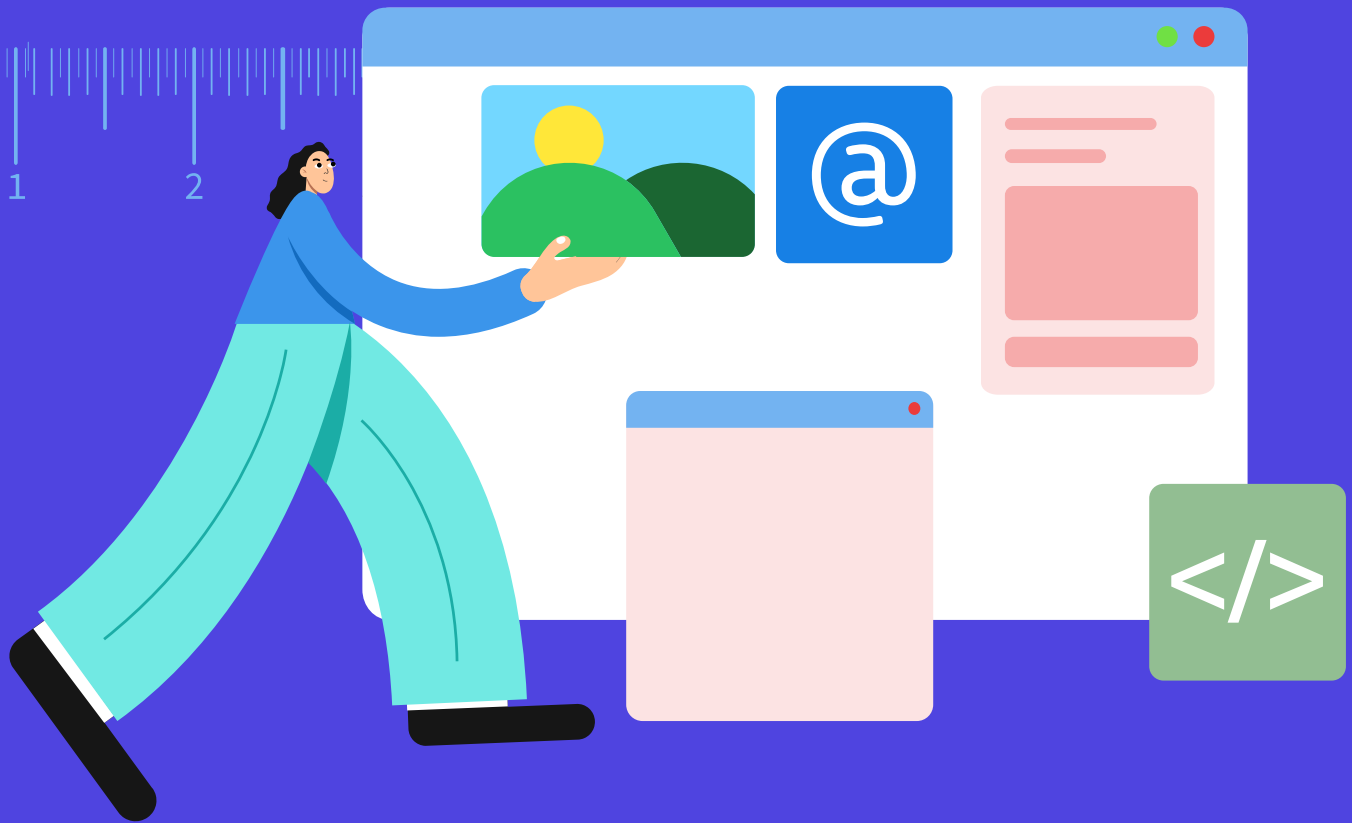


Relevel

# Frontend Development



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# About Relevel

The coming decade is one of immense **opportunity for India** with a majority of our population under the age of 35 and the growing proliferation of global technology.

For a long time, India was known as the land of outsourced opportunities. The past decade however has shown that **Indians can build global products and businesses**. This is expected to grow manifold in the coming years provided we solve for one crucial element - **skilled talent**.

Today, there is a massive divide between aspirants looking for the **right opportunities** on one side, and companies vying for the best talent on the other. Historically exposure to opportunities has been defined by one's college, degree, or who they already knew in the industry. The events over the last year have only made the situation worse.

We believe it is high time that this changes for good! We believe that hiring should depend only on your capabilities and skills, not your college degree.

Being India's **Largest Learning Platform**, democratizing knowledge and access is a core tenet of the **Unacademy Group**. We are now extending that to opportunities through Relevel by leveling the playing field for millions of Indians. We imagine a future where candidates have a transparent path to the **career of their dreams**.

At Relevel, we believe **your history doesn't matter. Your skills do**. Your network doesn't matter. You do!

All the best. We know you can crack it!

# Why become a Frontend Developer?

Every business is moving online today in order to reach more customers.

From using Swiggy to order food, Flipkart for almost everything else and Paytm to transact for all of this, technology has become an integral part of our daily lives across the last decade.

Developers are the heroes who spearheaded this. And we don't see that changing in the future!

Frontend Developers create what the user sees and interacts with. They define the usage of the product.

If creating great user experience is something that excites you, a career in Frontend Development might just be what you're looking for! With Relevel Courses, you can now explore exactly what that will look like.



# Why Relevel Courses?



340+ hours of Live Learning



3 End to End Web Apps



Learn from the best in the industry



Placement Mentoring



Hackathon like coding contests



Merit-based scholarships

# Learn: The Relevel Way



## **Learn by Doing**

Build your portfolio by working on end-to-end capstone projects that will help you gain hands-on experience and develop industry relevant skills.



## **Quizzes & Assignments**

Real learning happens only when we practice. Specially curated quizzes after each session for a life-long learning experience.



## **Periodic Proctored Tests**

Track how far you have come along in your endeavour to learn through these fortnightly tests.



## **Dedicated Success Managers**

To help you reach that finish line, and anything that comes enroute this journey.



## **Community Access**

Learning by sharing. Connect with your peers and achieve your goals together.

# Frontend Development

Select a plan that suits you the best

## Plus Features



*Boost your career growth with the best in the industry*

- ✓ **Live Classes:** 12+ hours of live interactive classes every week by industry experts
- ✓ **Doubt Resolution:** Fast-tracked doubt resolution via discussion forum
- ✓ **Comprehensive Curriculum:** Structured content and learning resources to help you crack the Relevel test
- ✓ **Capstone Projects:** Industry-relevant projects to build your portfolio and get you job-ready

## Iconic Features



*Unlock your full potential with personalised mentoring & transformative learning*

- ✓ **Live Classes:** 12+ hours of live interactive classes every week by industry experts
- ✓ **Doubt Resolution:** Fast-tracked doubt resolution via discussion forum
- ✓ **Comprehensive Curriculum:** Structured content and learning resources to help you crack the Relevel test
- ✓ **Capstone Projects:** Industry-relevant projects to build your portfolio and get you job-ready
- ✓ **1:1 Career Mentorship:** Personalised career mentoring to help you prepare and build your profile
- ✓ **Mock Interviews:** Mock interviews to help you prepare for your job interviews
- ✓ **Pre-recorded Lessons:** Access to pre-recorded lessons to study at your own pace
- ✓ **Live Doubt Solving Sessions:** Live doubt resolution sessions by expert teaching assistants

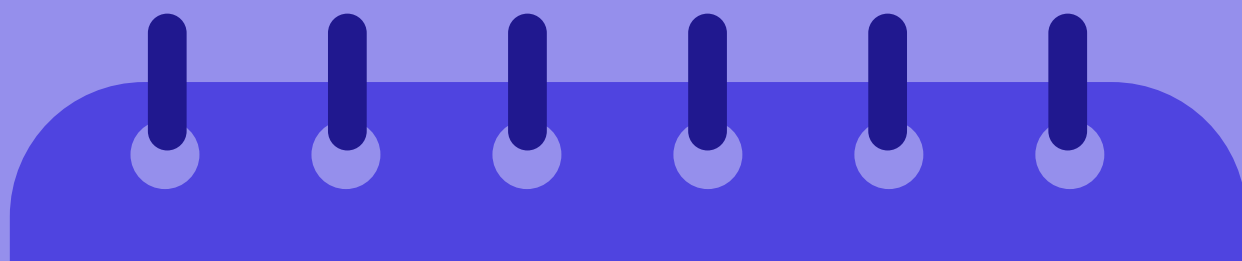
# Is this for You?

If you're looking to start your career as a Frontend Developer, or just pick up the necessary skills, you have come to the right place!





# Weekly Class Schedule



MON	TUE	WED	THU	FRI	SAT	SUN
<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	<b>Off day for practice</b>	<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	<b>Off day for practice</b>	<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	<b>11 AM - 2 PM*</b> Session by Educator	<b>Guest Lecture/ Event/Doubt Session with educators/ Test</b>
<b>8 PM - 11 PM</b> Session by Educator		<b>8 PM - 11 PM</b> Session by Educator		<b>8 PM - 11 PM</b> Session by Educator	<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	

\*Weekend session timings may change depending on the availability of the educator.

# Classes by Experts



**Mrigank**  
SDE 2, Atlassian



**Bittoo Agarwal**  
Software Development Engineer I,  
Amazon



**Sumit Jha**  
Computer Scientist II. Adobe



**Kaushlendra Parihar**  
Sr Software Engineer, Oracle



**Utkarshini Arora**  
Full Stack Developer, Smart Audit



**Saurabh Singh**  
Software Developer, SAP Labs

# Learn from Industry Leaders



**Shubham Nayyar**  
Head Of Technology, OYO Vacation Homes



**Nitish Jha**  
Head of Engineering, Gojek



**Gaurav Lahoti**  
VP Engineering, Khatabook

# Curriculum Snippet



# Module 1

## Programming Fundamentals

6 weeks

1

### Basic Programming Constructs

Algorithms and Flowchart, Conditional statements, Loopings, Comments, Programming Fundamentals

2

### JavaScript Fundamentals

JS Types, Coercion, Functions

3

### Basics Of Functional Programming

Higher Order Functions, Scopes and Closures, Hoisting, Call Backs & Promises

4

### Arrays and Objects

Introduction to arrays and objects, Object and array properties, How Object works in JS, JSON

5

### Recursion

Introduction to recursion, Problem solving on recursion, Call stack and Memory map for recursion, Backtracking

6

### Time and Space Complexity Analysis

Experimental Analysis vs Amortized Analysis, Time and space analysis, Recurrence relations and recursive complexities, Master theorem

7

### Sorting Algorithms

Selection Sort, Bubble Sort, Insertion Sort, Merge Sort, Quick Sort

8

### Searching Algorithms

Linear Search, Binary Search and Monotonic Search Space, Binary Search On Answer, Ternary Search, Problem-solving

# Module 2

## Building an E-commerce Website

5 weeks

- 1 Building Blocks of Web Development**  
Learn HTML, CSS and Bootstrap to understand web development
- 2 Programming Constructs**  
Fundamentals of Programming and Data Structures
- 3 Javascript for Web Development**  
Build e-commerce website with HTML, CSS and JavaScript
- 4 Intro To React**  
Convert HTML to React app, Build reusable components
- 5 Intro Hooks**  
Use hooks to manage and update states of product page
- 6 Intro to Redux**  
Get introduced to Redux concepts, principles and applications
- 7 API calls in React**  
Create cart and checkout page, and fetch data from API
- 8 Routing in React**  
Integrate multi-page React application with public, private and protected routes
- 9 Deploying the app**  
GIT and GIT commands, Host the app using Heroku/ Netlify

# Module 3

## Data Structures and Algorithms

5 weeks

### 1 Linked List

What problems Linked List Solve, Types Of Linked List, Implementation of Linked List, Problems On Linked List

### 2 Stacks

Applications of Stack in Industry, Implementation of Stacks, Basic Problems on Stacks, Monotonic Stacks

### 3 Queue

Applications of Queue in Industry, Implementation of Queue, Basic Problems On Queue, Monotonic Queue, Deque

### 4 Binary Trees

Binary tree and BST, Properties and applications of trees, Tree traversal, LCA (Lowest Common Ancestor) of Binary Tree

### 5 Hashing

Basics of Hashing, Load factor and Rehashing, Application of Hashing, Collision theory, Implementation of Hashtable, Problem Solving on Hashing

### 6 String Algorithms

String Hashing, Rabin Karp Algorithm, KMP and Z algorithm, Tries and Problem Solving

### 7 Priority Queue And Heaps

Implementation of Priority queue using heaps, Order Statistics Using Heaps, Problem Solving on heaps

### 8 AVL Trees

Balanced Binary trees, AVL Trees operations, Tree balancing operations for AVL trees

# Module 4

## Building a CRM Application

5 weeks

### 1 Intro to the CRM app setup

Learn about the purpose of the CRM app, its architecture and how to create a strong folder structure

### 2 Routing in the Application

Integrate routing with public, private and protected routes for multi-page React application

### 3 Fetch Data from API

Make API calls and capture responses to represent data

### 4 Hooks

Use Hooks to update state throughout the application

### 5 Redux

Use Redux toolkit to manage states

### 6 Additional Features

Build additional features:- Nodemailer, Socket.io, Analytical dashboard

### 7 Deploying the app

Go live and host the app on Heroku/ Netlify



# Module 5

## Building a Movie Booking Application

4 weeks

- 1 Intro to the Movie Booking Application Features**  
Understand the design and architecture of the application
- 2 Advance Routing**  
Integrate routing with public, private and protected routes
- 3 Test API**  
Make API calls and test the API through multiple input types
- 4 Listing all the Movies**  
Using the API, fetch all movies and add a search, filter, other features
- 5 Confirm Booking**  
Build seat selection page and integrate payment portal to your application using a third-party API
- 6 Additional Features**  
Add categories and discounts
- 7 Deploying the Application**  
Go live and host the app on Heroku/ Netlify

# Module 6

## Problem Solving Sessions

4 weeks

Problem Solving Sessions on JavaScript concepts, DSA, and feature building.

# Capstone Projects

Use your learnings to solve real business problems faced by some major companies.

## E-Commerce Application

Build a scalable online marketplace for sellers to upload new products and where users can buy anything from electronics to clothing.



## Sales CRM

Build a unified sales CRM to enable lead tracking, and manage your customers better.



## Movie Booking App

Build a website on which users can book a movie, a match, or any event of their choice at a location and price suitable for them.



# Placement and Career Support

With Relevel, you can now get a job in three simple steps



Qualify the Relevel Frontend Development Test



Interview with a minimum of 5 companies



Receive an offer within 15 days!

paytm

yatra

CRED

meesho



shaadi.com

upGrad

Groww

GRAPHY

# Course Details



Duration of the Course

7 months



Commitment Required

15 hours in a week

**What are you waiting for? Enroll now!**