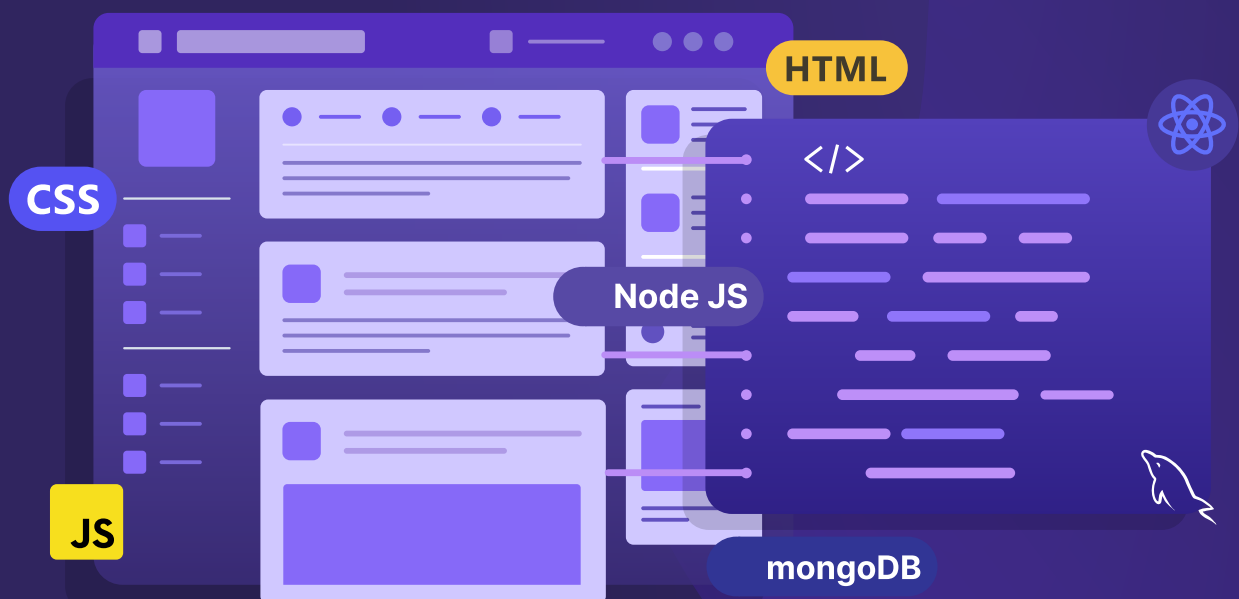


Placement Guarantee Course ✓

# Full Stack Development Course

with Guaranteed Placement



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# Internshala in headlines

**BW EDUCATION**

**Internshala Rolls Out Specialisations With Guaranteed Internships**

**FINANCIAL EXPRESS**  
Read to Lead

**Internshala launches 'Specializations' programme with guaranteed internships**

**NEWS 18**

**Internshala Offers Online Courses With Guaranteed Internships, Stipend up to Rs 10,000**

**EXPRESS COMPUTER**

**Internshala launches Internship with Dream Companies**

**YOURSTORY**

**Internshala: Powering 2.2 million+ students**

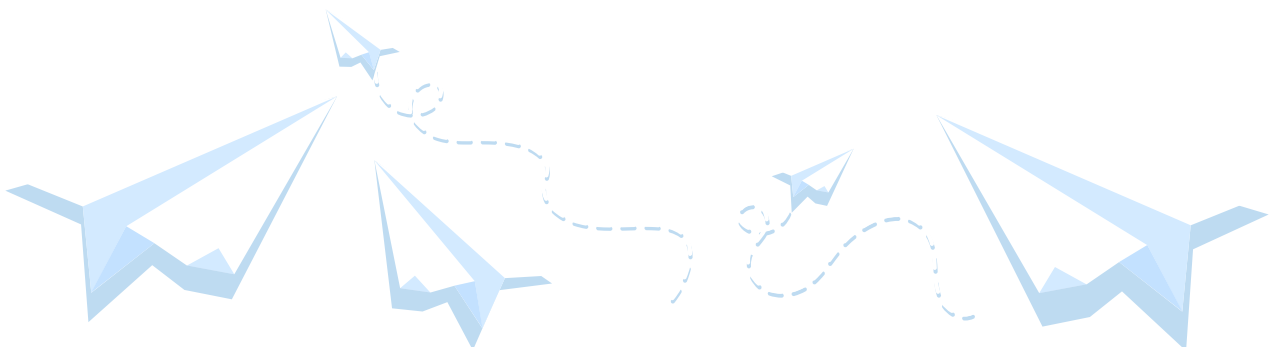
By Team YS

July 11, 2022, Updated on: Jul 11, 2022, 11:20 AM GMT+5:30



**THE HANS INDIA**

**Well-Rounded, High-Quality Education Is A Need Of The Hour: Internshala**



# What is Full Stack Development?

Full-stack development is the process of creating both the front end and the back end of an application. The Presentation Layer, which is the front end component that deals with the user interface, the Business Logic Layer, which is the back end component that deals with data validation and the Database Layer are all involved in this web development process. It handles each step from the idea's inception to the actual finished product.

It turns out to be quite tricky and expensive to hire a professional to work on each of the several subsystems of the web development process. Companies are looking for full-stack developers who are adept at utilising several stacks.



# Why Full Stack Development is 'The Ultimate' career path

Full-stack engineer is number 4 on their list of top emerging jobs for 2020.

- In LinkedIn's 2020 Emerging Jobs Report

- In the area of sophisticated technology, full-stack development is one of the turning points. Additionally, it is one of the most demanding jobs in the world. Jobs for full-stack engineers have increased by more than 30% in India during the past year.
- Any business that focuses on technology and development would benefit greatly from having a full-stack developer on staff. The demand for cutting-edge technology and the constant improvement of software products ensure that this industry will continue to grow in the future.

- Due to its influence on business and marketing, full-stack development is one of the highest-paying professions in the world. Although full-stack programming is one of the most lucrative IT careers, the pay for a full-stack developer depends on a variety of factors, including core skills, supplementary skills (such as databases and the fundamentals of UI/UX), the location of the company, demographics, and experience.

- A full-stack developer's responsibilities include tasks like integration, updates, front-end and back-end coordination, and client expectations handling. This not only helps to reduce the reliance on other teams, which frequently causes execution delays, but it also quickens the development cycle and results in cost savings. A full-stack developer gains the ability to deliver results rapidly with a toolkit that includes the most effective tools available in the field, enabling speedy and smart work.

# What your career as a **Full Stack Developer** may look like



## **Full-stack Developer**

Be a jack of all trades and create an entire website by yourself or manage teams who do!



## **Software Development Engineer**

Design, develop, and maintain software solutions.



## **Front-end Developer**

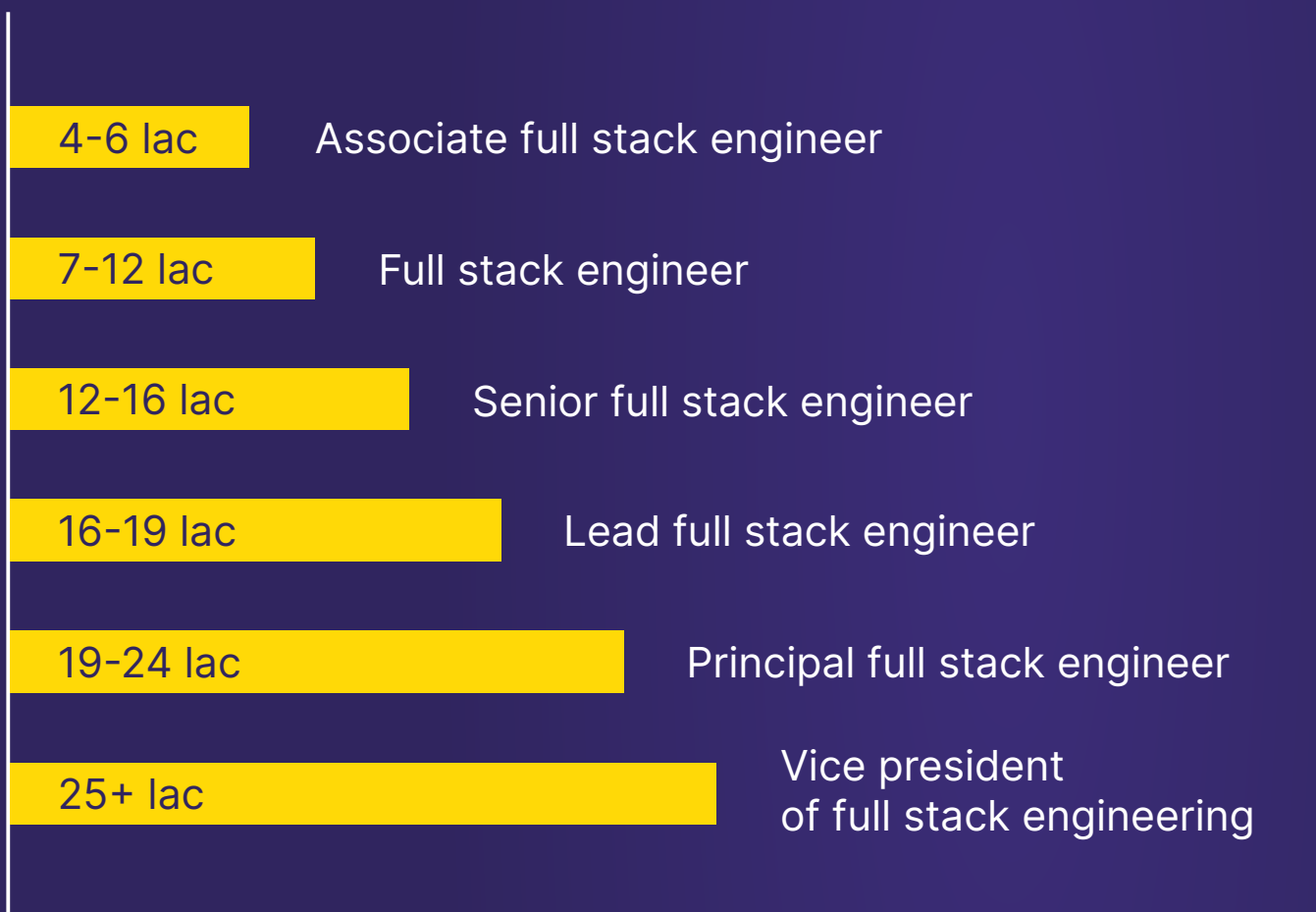
Develop all the visual elements of a website that you see and interact with (like this page!).



## **Back-end Developer**

Manage the behind-the-scenes of a website. Keep the website running efficiently by managing servers.

# How would your salary trends look as a **Full Stack Developer**?



Source: Glassdoor\*

# Top Companies Hiring from Internshala



**1,08,706**

Full Stack Internships

**₹1,10,000/month**

Highest stipend offered

**34,044**

Internships with job offers

**₹30 LPA**

Highest salary offered post internship



# Why choose Internshala Placement Guarantee Course?



## Practical Learning Approach

Each Placement Guarantee Course comprises quizzes, assignments, and practical learning modules that call for hands-on learning.



## Industry-Recognized Certification

Students get industry-recognized certificates on completion. More than 100,000 companies use Internshala for hiring every year. Therefore, Internshala Trainings certificates are widely recognised and valued.



## 100% Job Guaranteed

Our DM Placement Guarantee Course comes with a 100% job guarantee that helps students to build their dream careers.



## Live Classes

For a better understanding of the subjects, all the trainings have live sessions weekly.



## Portfolio-Worthy Projects

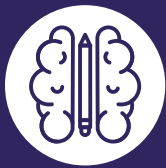
Our practical-based learning model allows students to learn from industry-level projects.



## 1:1 doubt solving:

Doubts are solved by experts through the Q&A forum within 24 hours to ensure a thorough understanding of concepts.

# How does **Full Stack Development** Placement Guarantee Course work?



## 1. Learn

Top-rated corporate faculty & practical first curriculum



## 2. Evaluate

Specially curated quizzes and tests after each module



## 3. Build

Industry-based projects for hands-on experience



## 4. Excel

Pass the final test to rate your overall knowledge



## 5. Prepare

Get interview ready with mock interviews and resume building



## 6. Intern

Gain real-world experience through a guaranteed internship with a min. ₹10,000/month stipend



## 7. Get a Job

Convert the internship into a full-time job or land another job based on that experience - the choice is yours!

# Skills you will learn



HTML



CSS



Javascript



Redux



React



Modern  
Javascript



# Industry-Recognized Full Stack Development Certification

## Internshala Trainings certificate

Upon successful completion of the program, you will receive a Full Stack Development Placement Guarantee Course Certificate from Internshala



# How **Placement-Assistance** can help you land an internship



A dedicated placement cell to continuously guide you towards your dream career



1:1 Career planning sessions with faculty with rich industry experience



Get highlighted in your job/internship applications on Internshala



Expert assistance on resume & cover letter writing



LinkedIn profile building

# Top Corporate Faculty



**Jayesh Choudhary**

UI Developer, Startree



**Aseem Garg**

Tech Lead, Internshala



**Vikram Shah**

CTO, Internshala

# Join the revolution

Thousands of students are choosing the 'Learn → Intern → Get a job' route to launch their careers. Join to build your career the fastest way.

## Testimonial 1



**Pulak Kumar Ghosh**

₹20,000/month stipend

Web Developer Intern,  
RedBus Technologies

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B.Tech, Computer Science & Engineering,  
Jadavpur University, 2019 - 2023  
Web Development Training, August 2021  
Software Development Engineer Intern,  
Opscale, 2022 Web Developer Intern,  
RedBus Technologies, 2022

## Testimonial 2



**Mohit Kumar Singh**

₹12,000/month stipend

Front-end Development Intern,  
Innovizia Technologies Pvt Ltd.

---

B.Sc Computer Science, Gurukul Kangri  
(Deemed to be University), 2020 - 2023  
Web Development Training, August 2021  
Front-end Development Intern,  
Innovizia Technologies Pvt Ltd., March 2022

## Testimonial 3



**Anshul Choubey**

₹24,000/month stipend

Web Developer Intern,  
Outshade digital Media

---

B.Tech, Computer Science & Engineering,  
Indore Institute of Science and Technology, 2019 - 2023  
Web Development Training, January 2022  
Web Development Intern, Outshade Digital Media, July 2022

# Industry-oriented curriculum



200 Hours of Learning



6 Months



2 Courses



10 Assignments



2 Capstone Projects

After completing a course, you can download its videos for future reference.

## Course 1: Front-end Web Development

### Designing Static Pages using HTML

- Basics of HTML
- Coding in Visual Studio Code
- Lists & Tables
- Emphasis & Underline
- HTML Attributes and Page Structure
- Advanced HTML
- Images & Links
- Ids & Classes
- Div & Span
- Forms
- IFrames

**Assignment Problem Statement:** Create a website using HTML for your Tourism company for your city.

**Assignment Description:** Learners need to create a Tourist company website that should have 'About Us', 'Contact Us', 'Climate' links. All these links to direct to respective HTML pages. The Home page should have iFrame elements and must contain details of your city.

### Styling Through CSS

- Using HTML and CSS
- CSS Box Model
- CSS Comments
- Font Formats
- Background Images
- Border, Padding & Margins
- Content (Formatting Visual Data)
- Ordered & Unordered List
- Link Styling
- Button Styling
- Selectors
- Pseudo Classes
- Graphics (Images & Colors)
- Basic Positions
- Z Index
- Float
- Inline and Block Level Elements
- Grids



- Flexbox
- Pseudo Elements
- Units
- Linear Gradient
- Radial Gradient
- Variables
- Animations
- Layout, Transitions and Animations

**Assignment Problem Statement:** Create a website for your restaurant using styling effects.

**Assignment Description:** Learners need to create a website for their restaurant which should include a Home page, Our Menu page, Contact Us page, About Us page.

### **Bootstrap: The CSS Framework**

- Basics of Bootstrap
- Bootstrap Grids
- Buttons and Alerts
- Grid system, alerts and buttons
- Cards
- Navs and Dropdowns
- Active Nav Items
- Bootstrap Scaling

**Assignment Problem Statement:** Create a fully responsive website using Bootstrap.

**Assignment Description:** Learners need to create profile details in a card format with a navigation bar, profile dropdown, redirect link with full responsiveness using Bootstrap.

### **Making Web Pages Dynamic using JavaScript**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>◦ Fundamentals of JavaScript</li> <li>◦ Functions in JavaScript</li> <li>◦ JavaScript Scripts</li> <li>◦ Closures in JavaScript</li> <li>◦ Variables &amp; its Scope</li> <li>◦ Comments</li> <li>◦ Template Literals</li> <li>◦ If and Else-If Statements</li> <li>◦ Concatenation</li> <li>◦ Data Types in JavaScript</li> <li>◦ Equality Operator</li> <li>◦ Switches and Decisions Structures</li> <li>◦ Arrays and Strings</li> <li>◦ Advanced JavaScript</li> <li>◦ Loops</li> <li>◦ Adding HTML to Pages</li> </ul> | <ul style="list-style-type: none"> <li>◦ Forms and Input</li> <li>◦ DOM Structure and Methods</li> <li>◦ DOM in JavaScript</li> <li>◦ Inner Text</li> <li>◦ Data Types</li> <li>◦ Objects &amp; Global Objects</li> <li>◦ Calendar and Date Functions</li> <li>◦ Modern JavaScript Syntax</li> <li>◦ JSON Objects</li> <li>◦ Inspect Element and Network Tab</li> <li>◦ jQuery</li> <li>◦ Nested Functions</li> </ul> |
|---|---|

**Assignment Problem Statement:** Create a JavaScript calculator.

**Assignment Description:** Learners need to create a calculator with three inputs, submit button, read-only answer box using Bootstrap & Java Script for layout.

**Capstone Project 1 Problem Statement:** Creating the Front-End of an E-Commerce website.

**Project Description:** Create the UI design of the e-commerce website, which the users will be using to browse and purchase the products. The website UI should have header (logo, search box, navigation bar etc), footer to list the categories and links, with a copyright message at the end, product category pages like Men's & Women's category, Contact Us page, Login page, and Cart page etc.

## Course 2: Back-end Web Development

### **Developing the Backend Functionality via Node and Express**

- NodeJS - Basics to Advance
- HTTP Status Code
- URL Parsing
- ExpressJS
- NPM and Express
- Express GET Requests
- Postman
- Path Variables
- JSON Data Types
- POST Requests
- GET for POST
- Coding Problems

**Assignment Problem Statement:** Developing the backend functionality via Node and Express.

**Assignment Description:** Learners need to create a student database by creating a POST request using Postman to make requests and populate the storage. Then, create an endpoint, retrieve & print all the data. Post that, create another GET request that retrieves & prints the data of a particular student. Finally, create an endpoint that looks for the topper among the class.

### **Connecting Frontend to Backend using React and RESTful APIs**

- Introduction to React
- ESLint
- DOM
- React Props
- Navbars
- Router
- useState
- Forms
- Key Events
- Advanced React & RESTful APIs
- useMemo
- useEffect
- Events
- Lists & Loops
- React Arrays
- Hooks and States
- Conditions
- Use Effect
- API Fetch
- React POST

**Assignment Problem Statement:** Create a To-Do-List Application.

**Assignment Description:** Learners need to create a To-Do-List application wherein they create input box, enter tasks that to be stored in Node-persist storage & displayed in the tasks list section. For this project, learners need 2 folders – backend and frontend.

#### **Databases: MongoDB and MySQL**

- MY SQL
- Relational vs Non-relational databases
- SQL vs MySQL
- Creating Tables and Databases
- Datatypes
- Inserts
- Select and Where
- Operators
- Primary and Foreign Keys
- Joins
- Update & Delete
- Mongo DB
- MongoDB Compass
- Creating a Collection
- Finding and Inserting a Data
- Updating and deleting data
- CRUD Operations
- Coding Challenges

**Assignment Project Statement:** Creating proper backends for the To-Do List application in MySQL.

**Assignment Description:** Learners need to create proper backends for the the To-Do List application created in the last assignment. Learners also need to create delete functionality for this application, meaning, once the task is done, the user should be able to press the 'X' button on the rightmost corner of the app, and delete the to-do item from the list.

### **Putting it all together: Creating a Web App- Part 2**

#### **Environment setup, Developing first REST API & Establishing DB connection**

- Installing Softwares- MongoDB, Compass, Postman, Git bash and CORS NPMpackages.
- Developing REST API
- Running with Nodemon
- Creating folder structure and User Router file
- Installing Mongoose
- Defining mongoose schema and model for user
- Registering User model and schema to the app

### **Securing API with JWT and Developing Signup and Login API's**

- Installing encryption and security libraries
- Completing the User Signup REST API
- Test Signup REST API with Postman
- Implement REST API for User Login
- Testing Login REST API with Postman
- Implementing Security with JWT
- Implementing Protected Route Middleware

### **Developing API's for Creating, Updating, Getting and Deleting Post**

- Create Post Model and Post Schema
- Implement Create Post REST API
- Installing Multer Library and creating File Router
- Configurations for File Upload Download
- Implement REST API for Upload Post Image File
- Implement REST API for Download File Feature
- Testing the Create Post REST API
- REST API to Get All Posts for User and All Post for Loggedin User
- Testing Get All Posts and My All Posts REST API
- Implement Delete Post API only by the owner of the Post
- Test Delete Post REST API via Postman

### **Developing API's for Like, Unlike and Comment a Post**

- Modifying Post Model to add Likes Array
- Implementing the Like Post REST API
- Testing the Like Post Functionality with Postman
- Implementing and Testing the Unlike Post REST API
- Modifying Post Model to add Comments functionality to the Post
- Implementing the Comment REST API
- Testing the Comment Functionality with Postman

### **Integrating Frontend Login, Signup and Logout with Backend API**

- Understanding Redux and Its Implementation
- Implementing User Reducer
- Implementing Combine Reducer and Store file
- Installing Axios and Sweetalert2 Libraries
- Implemented the signup action and attached to form submit
- Setting form fields values to corresponding state variables
- Implemented Loading Icon
- Implementing Axios Post API Call
- Implemented and Tested Signup functionality with success and error msg popup alert
- Binding state variables for login and applying loading screen
- Integrating Login API call with Frontend
- Dispatch User data to redux store and navigate user to posts
- Implementing Logout Functionality
- Logic to hide menu items based on user is loggedin or not
- Fixing the useSelector to get user data from Redux store
- Working on Post Image File Upload
- Code to Upload post image to server

## **Integrating Frontend Create Post, Post Details, Delete Post, My Profile with Backend API**

- Creating state variables for add post
- Validation for Post image caption and Location and showing error popup
- Implementing Create Post API call
- Fixing Post image path issue and Testing the create Post Functionality
- Adding Navigation menu to All Posts
- Implement API call to get all posts and store it in state variable
- Looping the React Post Card component with all post list
- Binding correct post fields to the Card UI component and Testing
- Implementing Delete Post API Call
- Implementing MyProfile functionality
- Show Post Details on Popup

## **Bonus Content**

- Implement Delete Post Functionality from Post Detail Popup
- Display name of user who did the post
- Implemented the Like Post Functionality
- Implemented the Unlike Post Functionality
- Implement Comment Post Frontend UI
- Implement the Comment Post and CommentedBy functionality with API
- Implement Dynamic Routing so that with Page Refresh UI data is not lost
- Solving the routing issue when login or not
- Hide-Show navbar menu items for user login or not

**Assignment Project Statement:** Create a new Node JS application, and create REST API for their functionalities.

**Assignment Description:** This assignment is an extension of the last assignment, where learners will be creating a new Node JS application, install Express & Mongoose npm package, and integrate these API's to the Frontend screens developed in Instagram clone assignment.

**Capstone Project 2 Problem Statement:** Creating a full-featured e-commerce website using React, Node.js, and MongoDB.

**Project Description:** Create a full-featured e-commerce application using react and node. This includes the ability to list products, add product images, render and style products, add page routing, create a Node.JS server, fetch products from the backend, manage state using the reducer hook, add the bootstrap UI framework, create product and rating components, create a product details screen, create a loading and message component, use a React context to add items to the cart, create a cart screen, create a sign-in screen, connect to a MongoDB database, seed sample products and users, create sign-in and sign-up backend APIs, implement a shipping screen, select a payment method screen, create a place order screen, create an order screen, pay for orders using PayPal, display order history, create a profile screen, and publish the application to Heroku. Additionally, we want to be able to add a sidebar and search box, create a search screen, create an admin menu, create a dashboard screen, and manage products. This will require the use of react-router-dom, axios, bootstrap, jsonwebtoken, mongoose, react-paypal-js.



**Capstone Project 3 Problem Statement:** Create a Social Media Application (Twitter Clone) with both the front end (User Interface) and back end (security, database and APIs).

**Project Description:** This project is meant to test your full-stack (MERN) development skills. Learners needs to build a twitter application clone the features like authentication using JWT token, i.e user login, and registration, create and delete a tweet, add an image in a tweet, like and dislike a tweet, add a reply to a tweet, retweet, read all the tweets in app, create and edit a user, follow and unfollow user, view a user profile details, update profile picture including uploading images using multer etc.

After creating this application you can pretty much create any social media application.

# Program fees

~~₹41,000~~ ₹35,000/-

Valid for a limited period

No-cost EMI options available  
starting at just ₹2,917/- per month



# Connect with Admissions Team

Admissions Counselling Team, Internshala



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