

# MERN Stack

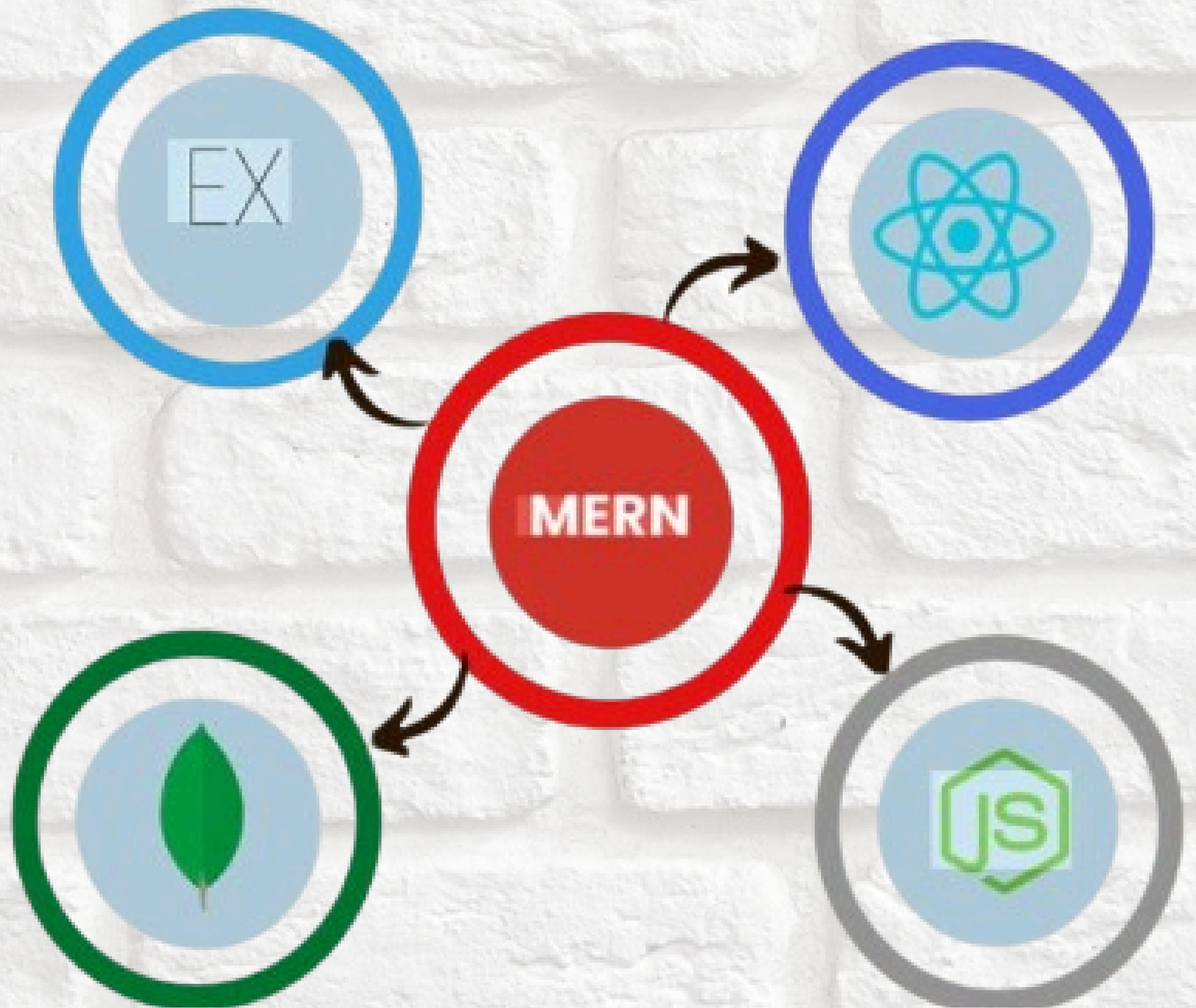
## Development with AI

### Summer Industrial Internship Program

(Batches start in May, June & July )

MERN  
STACK

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# About The Program:

REGex Software Service's MERN Stack Summer Internship Program is designed for IT undergraduates to gain hands-on experience in MongoDB, Express.js, React, and Node.js. Learn through Real-Time projects, expert mentorship and industry-oriented training. The program is available Online and Offline in Jaipur & Ahmedabad.

If you want to kickstart your career in full-stack web development, this summer internship program by REGex is the perfect opportunity for you.

## Mode:

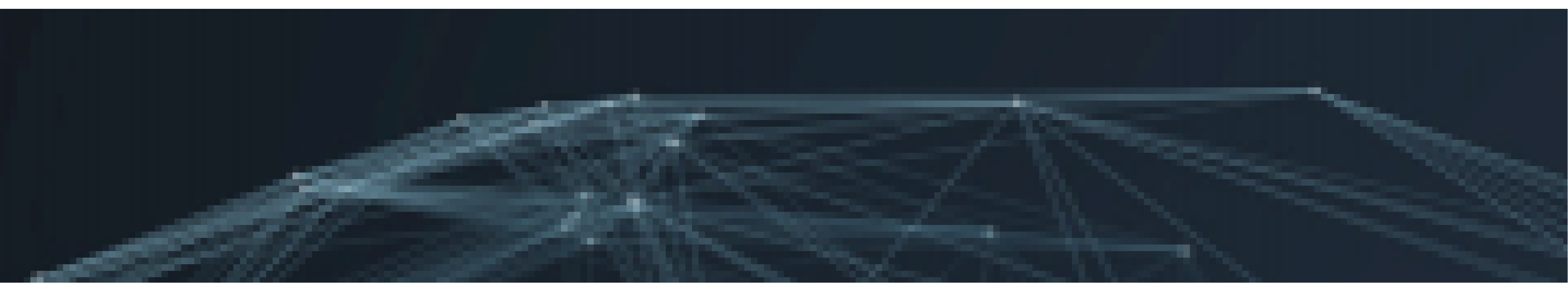
Physical (Jaipur, Ahmedabad)  
Online<sup>or</sup> (Google Meet)

## Duration:

45 – 60 Days

## Participants:

25-30 per Batch





## Hands-On Experience

Work on real-world projects, solve challenges, and deliver impactful results.



## Expert Mentorship

Get guidance from top-notch professionals in your domain.



## Career Growth

Boost your resume & open doors to exciting job opportunities.



## Certifications

Earn a certificate of completion & a Letter of Recommendation.



## Live Sessions

Live Sessions by Expertise Trainers and Access of Recorded Session is also available

## Mentorship Support

Mentorship Support available for all Students to clear all of your doubts

## Live Projects

Get a chance to work on Industry Oriented Projects to implement your learning

## Opportunities

REGex May provide Internship / Job opportunities to the best Students .

<b>Day</b>	<b>Course Content</b>
<b>Day 1</b>	HTML Basics: Structure, elements, attributes, headings, paragraphs, links, images, and lists
<b>Day 2</b>	HTML Forms: Input types, form validation, and semantic elements
<b>Day 3</b>	CSS Basics: Selectors, properties, box model, colors, typography, and units
<b>Day 4</b>	CSS Layouts: Flexbox, Grid, and responsive design basics
<b>Day 5</b>	Tailwind CSS Basics: Installation, utility classes, spacing, typography, and colors
<b>Day 6</b>	Tailwind Advanced: Custom themes, media queries, and pseudo-classes
<b>Day 7</b>	JavaScript Basics: Variables, data types, operators, and conditional statements
<b>Day 8</b>	JavaScript Loops & Functions: Loops (for, while), function declaration, arrow functions
<b>Day 9</b>	JavaScript Hoisting, Closures callbacks, Call apply bind
<b>Day 10</b>	JavaScript Fetch API: Basics of API calls promises, async/await
<b>Day 11</b>	Project 1: Build a responsive webpage with HTML, CSS, and Tailwind
<b>Day 12</b>	Tailwind with React: Component styling and responsive UI
<b>Day 13</b>	React Basics: Components, JSX, and props
<b>Day 14</b>	React State Management: State, events,function components and hooks
<b>Day 15</b>	React Router: Routing, nested routes, and dynamic routes
<b>Day 16</b>	React Forms & Validation: Controlled components, validation with libraries
<b>Day 17</b>	Redux Basics: State management and connecting Redux with React
<b>Day 18</b>	Project 2 (Frontend): Build a React application with API integration
<b>Day 19</b>	MongoDB Basics: Installation, database creation, CRUD operations
<b>Day 20</b>	Mongoose: Schema creation, validation, and relationships

<b>Day</b>	<b>Topics &amp; Sub-topics</b>
<b>Day 21</b>	Node.js File System & HTTP: File handling, creating a server
<b>Day 22</b>	Node.js Basics: Introduction, setup, modules, and package.json
<b>Day 23</b>	Express.js Basics: Middleware, routing, request, and response
<b>Day 24</b>	REST API Basics: CRUD operations with Express and MongoDB
<b>Day 25</b>	Postman Basics: Setting up, testing APIs, and creating collections
<b>Day 26</b>	Authentication: JWT, bcrypt, login, and signup
<b>Day 27</b>	Project 3 (Backend): Build a REST API with CRUD and authentication
<b>Day 28</b>	Connecting Frontend to Backend: Fetching data from the backend API Day 01
<b>Day 29</b>	Connecting Frontend to Backend: Fetching data from the backend API Day 02
<b>Day 30</b>	File Uploads: Uploading files using the backend
<b>Day 31</b>	Deployment: Deploying backend (Render/Heroku) and frontend (Netlify/Vercel)
<b>Day 32</b>	Testing Backend APIs: Advanced Postman tests (collections, variables, tests)
<b>Day 33</b>	Integration of Gen-AI in Mern Stack Application
<b>Day 34</b>	Project 4 (Full Stack): Build a full stack MERN app with authentication (file uploads, GenAi)
<b>Day 35</b>	Project Finalization: Debugging, testing, and performance optimization
<b>Day 36</b>	Presentation: Showcase the final full stack project

# KEY FEATURES & CASHBACK POLICY:

## Key Features

- No Previous Knowledge Required
- Learn from Developers
- Mentorship Support
- Get Letter of Recommendation (LOR) from REGex
- Physical/Online Sessions
- Live & Interactive Sessions
- Get Internship Project Completion Certificate

## Cashback Policy

**Your friend will get upto 10% discount with your code and you will also get cashback for each Paid Referral In Our Placement Guarantee Programs**



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