



# MERN FULL STACK INTERNSHIP

# MERN FULL STACK INTERNSHIP

## INTRO TO WEB DEVELOPMENT

- What is web development?
- How websites work?
- Advantages of learning web development
- History of web development
- Tasks and Projects Overview

## OOPS Concept

- OOP's – introduction
- Classes and objects
- Constructor and destructor
- Inheritance
- Static method and properties
- Method overloading
- Abstract classes and interface

## DATABASE

- Introduction
- Database
- CREATE,ALTER,DELETE,DROP tables
- INSERT,UPDATE,DELETE table data
- WHERE condition
- LEFT JOIN, RIGHT JOIN, INNER JOIN
- INDEXING IN DATABASES



## WEB TECHNOLOGIES

- What is HTML?
- Structure of Webpage
- HTML Tags
- Adding and formatting texts, title
- Lists – Ordered/Unordered
- Images, Forms, Links, Tables
- Iframes, Videos, Anchor tags
- HTML Divs, CSS Introduction
- Inline vs Internal vs External styling
- CSS Display

## CSS ADVANCED

- CSS Backgrounds, Borders, Margins
- CSS Font Styling, Stylings Lists
- Styling Tables, Forms
- Gradients, Font Awesome
- Tool tips, Buttons
- Transitions, Transformation, Animations
- Box sizing, Flex, Grid



## BOOTSTRAP

- Bootstrap containers
- Tables, Images, Colors
- Alerts, Buttons
- Spinners, Cards
- Pagination, Drop Down
- Carousel
- Bootstrap grid systems
- Bootstrap grid system-Advanced

## JavaScript

- Introduction
- Syntax
- External and Internal using
- Variables, Operators, Functions
- Events, Comparison, Condition, Loops

## JQUERY

- JQuery install
- JQuery syntax
- JQuery selector
- JQuery events



# MERN FULL STACK INTERNSHIP

## REACT JS

- React Intro
- Install & Configure environment
- Angular vs ReactJS
- Create an app using create-react-app
- Understanding basics of react app
- Understanding JSX
- Virtual DOMS, Single page apps

## REACT LIFECYCLE

- States & Props
- Class components vs functions components
- Event handling
- Rendering Lists & Conditional rendering
- Building a basic Forms using React
- Build Blog using React

## COMPONENTS

- Routes & Formik
- Conditional Rendering
- Pure Components
- High Order components
- Controlled vs Uncontrolled components

## REDUX

- Introduction to Redux, Flux
- Babel, webpack
- Add Redux in a Project
- Build using webpack
- Routing - React router

## API INTEGRATION

- Creating a Mock API Server
- Axios
- Server-Side Rendering
- Fetch Data in Blog from an API
- SASS Overview

## NODE Js

- Simple Server
- Response Types – HTML, JSON
- Routing
- Express Intro
- Make a call from frontend to server
- Create API to fetch blogs from DB

## API & TOKEN

- Params and Query String
- Middleware
- API Authentication
- JWT token, Passport.js
- Add API Authentication to Blog App

## MONGO DB

- SQL vs NO SQL
- MongoDB / DynamoDB overview
- Installing MongoDB
- Connecting and inserting data
- CRUD
- Write functions to add/update a blog
- Limit, Sort, and Indexing, find() method
- Upload/Modify Tests of using DynamoDB

## EXPRESS Js

- Introduction, Install, Routing
- Middleware, Templating, Static files
- Form Data, Express with Database
- Cookies, Sessions, Authentication
- Rest APIs, Scaffolding, Error handling and debugging, Best Practices



# MERN FULL STACK INTERNSHIP

## DEPLOYMENT

- Using Git and Bit-bucket
- Heroku Cloud Platform
- Testing

## PROJECT

- Capstone Project
- Designing
- Prototyping
- Coding
- Test & Debugging
- Deploying





  
*Celebrating*  
**EXCELLENCE**



#startupindia



# our associations

**UL CyberPark**  
green space ... Kozhikode

**infopark**  
smart space KOCHI

KERALA INDIA  
**TECHNOPARK**  
HARMONY@WORK

# our Placement tie-ups

**Netstager**

**iOO**  
Infinite Open Source Solutions

**nucore**

**Codelattice**  
• connecting dots •

**fayzak**  
Technologies

**CYBROSYS**  
Technologies

**SAYONE**  
technologies

**MIDNAY**  
THE COMPLETE DIGITAL AGENCY

**GETLEAD**  
CONNECT ANALYSE CONVERT

**IPiX**  
TECH SERVICES

**en synergy**  
www.enSynergy.com

**armino**  
technologies

**Fingent**  
Shaping the Future

**Techfriar**  
BUILD ANYTHING

**acodez**  
ads codes designs

**ZENNODE**

**EOLAS**  
Technologies

**NUOX**

**Q I Z O**  
Technologies & Solutions

**primal codes**  
to the next level

**Codenex**

**BASSAM INFOTECH**

**zinfeg** code labs

**Beacon**  
Infotech

**redberry**  
Global Solutions

**winnova**

And Many More....

# Our Interns Who Got Placed in Last 4 Months



**FATHIMATH ANSHEENA K.A**  
Assistant System Engineer  
CTC : 3 Lakhs per Annum



**MARIYATH SHAHANA**  
Associate Software Developer  
CTC : 3 Lakhs per Annum



**SIRIL POUL**  
Analyst (Data Engineer)  
CTC : 3 Lakhs per Annum



**AMALJITH**  
Data Engineer



**MUHAMMED NIHAL**  
Junior Software Developer



**AYANA VP**  
UI/UX Designer



**JISHNU IV**  
Mobile App Developer



**JUBIL T SUNNY**  
Python Developer



**ABHINAV TC**  
Graphic, UI/UX Designer



**SANGEETH**  
Flutter Developer



**ASWIN SURESH**  
React Native Developer



**SREERAJ**  
Software Trainee



**SARANYA S VIJAYAN**  
PHP Developer



**LITHA MM**  
Junior Software Engineer



**SHIBILIN CJ**  
Junior Software Developer



**NEETHU**  
Junior Software Developer



**AMBILI**  
Software Engineer



**RESHMA**  
Junior Software Developer



**MERCY JACOB**  
Software Engineer



**KISHORE GANGADAR**  
Data Engineer



**JASNA HASSAN**  
React Native Developer



**HRIDHYA PV**  
Software Engineer



**ASHNA EP**  
Software Engineer



**AKHILA S**  
Software Engineer



**SENCY SEBASTIAN**  
Software Engineer



**NIZAMUDDIN**  
Software Engineer



**SHIHABUDHEEN**  
Software Engineer



**MOHAMED MUSTHAFA**  
Software Engineer



**AKSHAY R**  
Software Engineer





