



**SHUBHSAIRAJ INFOTECH**  
PRIVATE LIMITED

+91 2269 718142



+91 7887 423109



help@shubhsairajinfotech.com



www.shubhsairajinfotech.com



CIN: U62099PN2024PTC231381    STARTUP: DIPP168395    MSME: UDYAM-MH-26-0683105

Registered Address: S.N 28/29,301, Marvel Cascada, Balewadi, Pune- 411045

## Industry-Focused Training Program Proposal

### Company Details:

Name : **SHUBHSAIRAJ INFOTECH PRIVATE LIMITED** (formerly known as Tech King Solutions India)

Registered Address: **Sr.No. 28/29, 301, Marvel Cascada, Opp. Shree Shiv Chhatrapati Sports Complex, Balewadi, Pune – 411045**

Corporate Identification Number.: **U62099PN2024PTC231381**

Startup India Registration Number: **DIPP168395**

MSME No: **UDYAM-MH-26-0683105**

### About us:

Shubhsairaj Infotech Private Limited (formerly known as Tech King Solutions India), established in 2022, stands as a forward-thinking IT and digital services provider dedicated to delivering impactful technology solutions that drive business growth and innovation. Acknowledged for its standards and achievements, Shubhsairaj Infotech Private Limited (formerly known as Tech King Solutions India) is certified by ISO and recognized by Startup India and the Ministry of Corporate Affairs. The company is positioned to make significant strides in the IT industry.

The team at Shubhsairaj Infotech Private Limited (formerly known as Tech King Solutions India) is composed of 15 talented professionals with extensive expertise in IT services. This skilled team has successfully delivered over 100 projects, achieving a high success rate across various sectors including e-commerce, web hosting, and IT consulting. The company's ongoing patent in Web Hosting further reflects its commitment to pioneering new technologies and solutions that meet the needs of a modern digital landscape.

With a comprehensive range of services, Shubhsairaj Infotech Private Limited (formerly known as Tech King Solutions India) offers tailored solutions that span domain registration, website hosting, IT consulting, e-commerce solutions, and more. The company's portfolio also includes expertise in cutting-edge areas such as Cloud Computing, VPNs, data backup and recovery, and full-stack development, ensuring clients benefit from a complete suite of technology services. Additionally, Shubhsairaj Infotech Private Limited (formerly known as Tech King Solutions India) is highly committed to IT training and internships, nurturing the next generation of IT professionals and contributing to the industry's talent pool. At its core, Shubhsairaj Infotech Private Limited (formerly known as Tech King Solutions India) is guided by a vision to empower businesses through technology, enabling them to compete and succeed in the fast-



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evolving digital age. The company's mission is to make technology accessible, simplifying the adoption process for businesses of all sizes, so they can leverage digital tools effectively and sustainably. Through a focus on strategic growth, innovation, and customer satisfaction, Shubhsairaj Infotech Private Limited (formerly known as TechKing Solutions India) has evolved into a trusted partner for businesses across industries, offering the resources and expertise needed to navigate the complexities of today's digital marketplace.

## Incentives, Rewards, and Recognition

### 1. Certifications

- **ISO Approved Certificates:** Training programs are certified by ISO, ensuring quality and credibility.
- **Certificate on Completion:** Every participant receives a certificate upon successful completion of the training.

### 2. Training Program Structure

- **Full Stack Web Development Training:** Covers from beginner to expert level, with 10-15 hours of training per week.
- **Live Online Training:** Conducted by experienced trainers in an online format.
- **Individual Login Access:** Each student receives an individual login to access the Premium Learning Management System (LMS).
- **Weekly Quizzes and Mini-Tasks:** Each topic includes mini-tasks or assignments, and weekly quizzes are conducted for consistent evaluation.

### 3. Support and Additional Resources

- **Doubt Clearing Sessions:** Extra sessions are provided to help students with any queries or difficulties they may face.
- **Software and Tools:** All necessary software and tools for training are accessible through the LMS.

### 4. Incentives and Perks

- **Attractive Prizes for Top Performers:** Participants who excel in the training based on performance are eligible for attractive prizes.

### 5. Internship Mode

- **Online Internship:** The internship is conducted entirely online, providing flexibility and convenience for participants.



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#### Training Details

|                 |                               |
|-----------------|-------------------------------|
| <b>Mode</b>     | Online                        |
| <b>Duration</b> | 6 weeks As Per SPPU circular` |

#### Fee Structure

| Payment Option   | Breakdown of Payments  | Total Cost  |
|------------------|--|-------------|
| One Time Payment | Rs.2,400/- (During the enrollment process)   | Rs. 2,400/- |
| Instalments      | Rs. 500/- (During the enrollment process)<br>+<br>Rs.2,000/- (Prior to beginning the training) | Rs. 2,500/- |

For Registration kindly Visit :

<https://techking.in.net/apply.php>



## React JS

- **Introduction to React**
  - What is React
  - Why React
  - Project Setup
  - Webpack
  - Bundling and Minification
  - Building a React App
- **Introduction to ES6**
  - ECMAScript
  - History
  - Versions
  - ES6 Features
    - Classes and Methods
    - Arrow Functions and Spread Operator
    - New Features in ES6
- **JSX and Virtual DOM**
  - JSX
  - Virtual DOM
- **Components**
  - Component-Driven Development
  - Components Basics
    - State
    - Props
    - Traditional Components
    - ES6 Components
    - Functional Components
- **HTTP**
  - Fetching Data from REST API
  - Axios
  - Fetch API



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- Async JavaScript
    - Callbacks
    - Promises
    - Async/Await
  - Single Page Application (SPA)
    - Introduction to SPA
    - Container Component
    - Presentational Components
    - Routing
    - Nested Routing
  - Forms
    - Developing Forms
    - Posting Data
    - Validating Form Data
    - Basic Authentication
    - Token Authentication
  - React Hooks
    - useState
    - useEffect
    - useContext
    - useRef
    - useReducer
    - useCallback



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## NoSQL and MongoDB

- Understanding NoSQL
  - NoSQL vs. SQL
  - Understanding MongoDB
  - Advantages of MongoDB
  - MongoDB Fundamentals
  - Analogy between RDBMS & MongoDB
- MongoDB Basics
  - Creating a Database
  - Creating a Collection
  - Insert Data
  - Find Data
  - Update Data
- MongoDB Operators
  - Comparison Operators
  - Logical Operators
  - Evaluation Operators
  - Field Operators
  - Array Operators
- MongoDB Aggregation
  - Group
  - Limit
  - Project
  - Sort
  - Match
  - AddFields
  - Count
  - Lookup
  - Out



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## Express JS & Mongoose

- Introduction to Express JS
  - Introduction and Installation
  - Creating HTTP Server
  - Serving Requests and Responses
  - Middlewares
  - Creating Middlewares
- Mongoose
  - Mongoose Connection
- Express Methods
  - Model Creation
  - Schema Creation
  - Schema Validation
- Express Controllers
  - Async/Await
  - Try-Catch Block
  - then and catch
- Routing in Express
  - Routing Methods
  - Creating Routes



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## Node.js

- Introduction to Node.js
  - What is Node.js
  - History of Node.js
  - Introduction to IO.js
  - Node.js Foundation
  - V8 JavaScript Engine
  - Why Server-Side JavaScript
  - Node.js Architecture
  - JavaScript Event Loop
  - Node.js vs. Other Server-Side Frameworks
  - Application Areas of Node.js
  - Companies Using Node.js
  - Advantages of Node.js
  - Limitations of Node.js
- Modules and Node.js Packages
  - Understanding Modules
  - Built-In Modules
  - Creating Modules
  - Exporting Modules
  - Importing Modules





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## Project Development

### Full-Stack Project Planning

- Understanding Project Requirements
- Designing Project Architecture
- Setting Up Development Environment

### Backend Development

- Database Design with MongoDB
- Setting Up Express Server
- Building API Endpoints
- Integrating with MongoDB via Mongoose
- Implementing Authentication and Authorization

### Frontend Development

- Setting Up React Project
- Building User Interface with React Components
- State Management and Hooks
- Implementing Routing and Navigation
- Integrating Forms and Data Validation

### Frontend-Backend Integration

- Connecting Frontend with API Endpoints
- Handling Asynchronous Data Flow
- Error Handling and User Feedback

### Testing and Debugging

- Unit Testing for Components and Functions
- API Testing with Postman
- Debugging Common Issues
- Performance Optimization

### Deployment

- Deploying Backend on a Server
- Hosting Frontend
- Configuring Environment Variables
- Securing the Application
- Monitoring and Maintenance