

REACT DEVELOPER

INTERNSHIP REPORT

*Submitted in partial fulfilment of the requirement for the
award of Degree of*

BACHELOR'S OF COMPUTER APPLICATIONS



Submitted to: Tapasya Sharma

Submitted by: Pravesh Aggarwal

**Department of Computer Science & Application
Vivekananda Global University, Jaipur
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BHARAT SVARGA

Unveiling The Divine Beauty Of Bharat

INTERNSHIP CERTIFICATE

Bharat Svarga LLP

Bhamashah Techno Hub, Jaipur

This is to certify that **Pravesh Aggarwal** has successfully served as the **React Developer Intern** at **Bharat Svarga LLP** from **5th Jun 2025** to **31th Aug 2025**.

During his tenure, Pravesh made notable contributions across front-end development domain in alignment with the goals of our Company.

As a React Developer, he contributed effectively to the design and development of user interfaces, ensuring responsive and dynamic web experiences. His expertise in front-end technologies, particularly in React.js, significantly supported the implementation of user-centric features and performance optimization.

Pravesh's proactive approach, technical proficiency, and dedication were instrumental in achieving key milestones during the internship. We sincerely appreciate his professionalism and valuable service throughout his time with us.

We extend our heartfelt thanks and wish him continued success in all future endeavors.

Date: Aug 2025

Place: Jaipur

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sharma


M.D Pratik
Pandey

ACKNOWLEDGEMENT

I must first take the opportunity to thank “**Bharat Svarga**” for giving me this opportunity to complete my internship training in such a reputed organization.

I am indebted to **DEAN, Prof (Dr.) R.C. Tripathi**, and **HOD, Dr. Rakesh Sharma**, Department of Computer Science & Application, Vivekananda Global University, Jaipur (Raj.) for their co-operation and support during this project completion.

Firstly, I would like to define my deepest sense of gratitude to my respected Mentor, **Mr. Pratik Pandey**, at Bharat Svarga. throughout my internship period, I have received constant guidance, valuable suggestions, and inspiration from her. She deserves special thanks since she has not only offered me her kind guidance but also motivated and encouraged me to go that extra mile during this journey.

I would also like to thank the Department of Computer Science & Application, Vivekananda Global University, Jaipur (Raj.) for their guidance and valuable suggestions and helping me directly or indirectly to complete this project.

Finally, I would like to express my gratitude to all the individuals who have helped me to prepare this report.

Pravesh Aggarwal Roll No: 23CSA2BC076

EXECUTIVE SUMMARY

Bharat Svarga is a dynamic tour and travel-based company dedicated to organizing memorable trips for travelers on a friendly budget. The company specializes in creating personalized travel experiences, ensuring that tourism is accessible and enjoyable for everyone.

My role as a **React Developer Intern** focused on building and optimizing the company's digital presence. I worked on developing interactive user interfaces for the travel booking platform, ensuring a seamless experience for users browsing tour packages and making reservations.

1. INTRODUCTION

1.1 ORIGIN OF THE REPORT I am **Pravesh Aggarwal**, a student of Master of Computer Applications at Vivekananda Global University, Jaipur. As part of my academic curriculum, I was required to complete a training of at least 6 months under an industry organization. My journey began when I applied for the internship program at **Bharat Svarga**, seeing an opportunity to apply my programming skills in the travel and tourism domain. My duration of this Internship was from **05.06.2025** to **31.08.2025**.

1.2 OBJECTIVE The objective of this Web Development Internship was to equip me with comprehensive skills to design, develop, and deploy modern web applications using **React.js**. The program emphasized practical knowledge in **JavaScript (ES6+), React Components, State Management, and API Integration**, enabling me to transform static designs into dynamic, functional web applications. By the end of the program, the goal was to independently manage frontend modules for the Bharat Svarga travel portal.

1.3 SCOPE The scope of a React Developer is vast, spanning industries like e-commerce, travel, healthcare, and fintech.

- **Frontend Development:** Building responsive and interactive user interfaces.
- **State Management:** Handling complex data flows within an application using Hooks and Context API.
- **API Integration:** Connecting the frontend with backend services to fetch real-time data (e.g., tour availability, pricing).

- **Performance Optimization:** Ensuring the web application loads quickly and runs smoothly on all devices.

1.4 METHODOLOGY The development process followed an Agile methodology:

1. **Requirement Analysis:** Understanding the features needed for the travel portal (e.g., Search bar, Tour cards, Booking form).
2. **Design & Prototyping:** Creating wireframes and UI components.
3. **Implementation:** Coding the components using React.js and styling with CSS/Tailwind.
4. **Testing:** Debugging utilizing Chrome Developer Tools to ensure functionality.
5. **Deployment:** Hosting the application for live testing.

1.5 LIMITATION

- **Browser Compatibility:** Ensuring the application works consistently across different browsers (Chrome, Safari, Edge) can be challenging.

API Dependency: The frontend functionality relies heavily on the availability and speed of backend APIs.

- **Learning Curve:** Mastering advanced React patterns (like Redux or Custom Hooks) requires significant time and practice within a short internship duration.

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2. ORGANIZATION

2.1 OVERVIEW **Bharat Svarga** is a premier tour and travel company based in Jaipur, Rajasthan. The company was founded with the mission to make travel accessible, affordable, and hassle-free. Bharat Svarga organizes trips for interested travelers, ranging from solo backpacking adventures to family vacation packages, all within a very friendly budget.

2.2 COMPANY PROFILE

- **Company Name:** Bharat Svarga
 - **Industry:** Travel & Tourism / Tech
 - **Location:** Jaipur, Rajasthan
 - **Core Services:**
 - Customized Tour Packages
 - Budget-Friendly Travel Planning
 - Group Expeditions and Trekking
 - Online Travel Booking Services
- Vision:** To become the most trusted travel partner for budget-conscious travelers in India, bridging the gap between wanderlust and affordability through technology

WEEK 1: Orientation & Environment Setup (05.06.2025 - 11.06.2025)

- **Objective:** Setting up the development environment and understanding the company workflow.

- **Activities:**
 - Introduction to the team and Mentor, **Ms. Tapasya Sharma**.
 - Installed essential tools: **VS Code, Node.js, NPM, and Git**.
 - Configured GitHub for version control and repository management.
 - Overview of the "Bharat Svarga" project architecture.
- **Outcome:** Successfully set up the development environment and cloned the project repository.

WEEK 2: HTML, CSS & JavaScript Refresher (12.06.2025 - 18.06.2025)

- **Objective:** Strengthening the foundation of web technologies.
- **Activities:**
 - Revised HTML5 semantic tags and CSS3 Flexbox/Grid systems for layout.
 - Deep dive into **JavaScript ES6+** features: Arrow functions, Destructuring, Spread/Rest operators, and Modules.
 - Created a static "Coming Soon" landing page for Bharat Svarga to practice responsive design.

Outcome: Gained confidence in modern JavaScript syntax, which is crucial for React.

WEEK 3: Introduction to React.js & JSX (19.06.2025 - 25.06.2025)

- **Objective:** Understanding the core concepts of React library.
- **Activities:**
 - Learned about the **Virtual DOM** and Single Page Applications (SPA).
 - Created the first React App using Vite/Create-React-App.

- - Understood **JSX (JavaScript XML)** syntax and how it differs from HTML.
 - Built basic "Hello World" components.
- **Outcome:** Understood the component-based architecture of React.

WEEK 4: React Components & Props (26.06.2025 - 02.07.2025)

- **Objective:** Building reusable UI blocks.
- **Activities:**
 - Differentiated between Functional and Class components (focused on Functional).
 - Learned how to pass data between components using **Props**.
 - Created a "Tour Card" component that accepts image, title, and price as props.
 - Practiced component nesting and reusability.
- **Outcome:** Created a library of reusable UI components for the travel site.

WEEK 5: State Management & Events (03.07.2025 - 09.07.2025)

- **Objective:** Making the application interactive.
- **Activities:**
 - Introduced to the **useState** Hook for managing local component state.
 - Implemented Event Handling (onClick, onChange) for user interactions.
 - Built a "Counter" and a simple "Toggle Theme" feature.
- **Outcome:** learned how to update the UI dynamically based on user actions.

WEEK 6: React Hooks (useEffect) (10.07.2025 - 16.07.2025)

- **Objective:** Handling side effects in React.
- **Activities:**
 - Mastered the **useEffect** Hook for lifecycle management (mounting, updating, unmounting).
 - Learned dependency arrays to control when effects run.
 - Created a digital clock component to understand intervals and cleanup functions.
- **Outcome:** Gained control over component lifecycle events.

WEEK 7: Routing with React Router (17.07.2025 - 23.07.2025) .

Objective: Enabling navigation in a Single Page Application.

- **Activities:**
 - Installed and configured **React Router DOM**.
 - Set up routes for "Home", "Tours", "About Us", and "Contact".
 - Implemented **Link** and **NavLink** for client-side navigation without page refreshing.

Outcome: The Bharat Svarga website became a multi-page navigable application.

WEEK 8: Styling & Responsive Design (24.07.2025 - 30.07.2025)

- **Objective:** Enhancing the visual appeal of the application.
- **Activities:**
 - Integrated **Tailwind CSS** for utility-first styling.
 - Designed a responsive Navbar and Footer.
 - Ensured the "Tour Listing" page looked good on mobile, tablet, and desktop screens.
- **Outcome:** A professional, responsive UI that aligns with Bharat Svarga's branding.

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WEEK 9: API Integration (31.07.2025 - 06.08.2025)

- **Objective:** Fetching real data from the backend.
- **Activities:**
 - Used **Fetch API** and **Axios** to consume JSON data.
 - Fetched a list of tour packages from a mock API/JSON file.
 - Handled loading states (spinners) and error states (try/catch blocks).
- **Outcome:** The application now displayed dynamic data instead of hardcoded content.

WEEK 10: Forms & Validation (07.08.2025 - 13.08.2025)

- **Objective:** capturing user interest and bookings.
- **Activities:**
 - Built a "Contact Us" and "Book Now" form.
 - Managed form state using Controlled Components.
 - Implemented basic validation (required fields, email format) to ensure data integrity.
- **Outcome:** Functional forms allowing users to submit booking inquiries.

WEEK 11: Project Work - Bharat Svarga Portal (14.08.2025 - 20.08.2025)

- **Objective:** Assembling all modules into the final project.
- **Activities:**
 - Integrated the Search bar to filter tours by location and price.
 - Connected the Tour Detail page to show itinerary and inclusions.

- Implemented a "Favorites" feature using LocalStorage to save trips.
- **Outcome:** A functional prototype of the Bharat Svarga Travel Portal.

WEEK 12: Testing & Deployment (21.08.2025 - 27.08.2025)

- **Objective:** Final polish and publishing.
- **Activities:**
 - Performed manual testing to find UI bugs and broken links.
 - Optimized images and code for faster loading speeds.
 - Deployed the project using **Vercel/Netlify** for live access.
- **Outcome:** The project was live and accessible via a URL.

WEEK 13: Final Report & Conclusion (28.08.2025 - 31.08.2025)

- **Objective:** Documentation and wrap-up.
- **Activities:**
 - Documented the code structure and "ReadMe" file. ◦ Prepared the Internship Report.
 - Presented the final project to Mentor **Ms. Tapasya Sharma**.
- **Outcome:** Successful completion of the internship.

3. OBSERVATIONS

- **Component Architecture:** React's reusable component structure significantly reduces development time and ensures consistency across the website.
- **Virtual DOM:** Understanding how React updates only the changed parts of the DOM explained why the application is so fast and responsive compared to traditional HTML/JS sites.
- **Ecosystem:** The React ecosystem (Router, Redux, Tailwind) provides powerful tools to solve almost any frontend challenge.
- **Real-world Application:** Working on the **Bharat Svarga** portal showed me how technical skills directly impact business goals, such as making it easier for customers to book trips.

4. CONCLUSION

- The **React Developer Internship** at **Bharat Svarga** has been a transformative experience. Spanning over 12 weeks, the journey bridged the gap between my academic learning and industry requirements.
- I started with the basics of HTML and JavaScript and progressed to building complex, interactive Single Page Applications using React. The hands-on experience of building the Bharat Svarga travel portal gave me deep insights into:
 - Writing clean, maintainable code.
 - Structuring a modern web project.

- Collaborating in a professional environment under the guidance of my mentor, Ms. Tapasya Sharma.
- I am now confident in my ability to develop frontend applications and ready to take on professional challenges in the software industry. This internship has laid a solid foundation for my career as a Full Stack or Frontend Developer.

5. REFERENCE

- **Bharat Svarga:** [Insert Company Website/Internal Link]
- **React Documentation:** <https://react.dev/>
- **MDN Web Docs:** <https://developer.mozilla.org/>
- **Visual Studio Code:** <https://code.visualstudio.com/>