

Industry Project Report on Web Page Development Using React Js

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**Submitted to
Faculty of Engineering and Technology
Institute of Computer Technology
Ganpat University**



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CERTIFICATE

This is to certify that the Industry Project work entitled “Web Page Development Using React Js ” by Dev Parmar (21162122003), Manushi Gajjar (20162101004), Tanishk Patel (20162121020), Nachiket khamar(21162102004) of Ganpat University, towards the partial fulfillment of requirements of the degree of Bachelor of Technology – Computer Science and Engineering, carried out by them in the CSE(CBA/BDA) Department. The results/findings contained in this Project have not been submitted in part or full to any other University / Institute for award of any other Degree/Diploma.

Name & Signature of Internal Guide

Name & Signature of Head

Place: ICT - GUNI

Date:

ACKNOWLEDGEMENT

The Industry project is a golden opportunity for learning and self-development. I consider myself very lucky and honored to have so many wonderful people lead me through in completion of this project. First and foremost, I would like to thank Dr. Rohit Patel, Principal, ICT, and Prof. Dharmesh Darji , Head, ICT who gave us an opportunity to undertake this project. The CSE department monitored our progress and arranged all facilities to make life easier. We choose this moment to acknowledge their contribution gratefully.

MANUSHI GAJJAR (Enrollment No: 20162101004)

ABSTRACT

This project explores frontend development using React JS, aiming to create a dynamic and user-friendly web application. Leveraging React's component-based architecture and virtual DOM, the project focuses on building reusable UI components, efficient state management, and seamless integration with external APIs. Through comprehensive testing and optimization, the goal is to deliver a responsive and performant application. Collaboration with backend developers ensures smooth data flow and integration. The project's outcome is a feature-rich frontend application that meets project requirements and user expectations, contributing to a positive user experience. Feedback and iteration drive continuous improvement to align with evolving needs and standards.

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CHAPTER: 1 INTRODUCTION

React JS has transformed the landscape of frontend web development, offering a powerful toolkit for creating dynamic and interactive user interfaces. Imagine you're building a social media platform where users can share photos and engage with each other. React JS allows you to develop modular UI components, such as a photo feed, comments section, and user profiles. Each component encapsulates its logic and presentation, promoting code reusability and maintainability.

For instance, the photo feed component can display a grid of images fetched from a server using React's declarative approach to data binding. The comments section component enables users to interact with posts, with real-time updates facilitated by React's virtual DOM and efficient state management. Additionally, user profiles can be dynamically rendered based on user data retrieved from a database, providing personalized experiences.

By leveraging React JS, you can create a seamless and responsive user experience, enhancing engagement and satisfaction. Its flexibility and scalability empower developers to iterate rapidly and adapt to evolving requirements, ensuring the success of your social media platform in the competitive digital landscape.

CHAPTER: 2 PROJECT SCOPE

The project scope entails the development of a frontend application using React JS, encompassing various essential aspects of modern web development. It involves designing and implementing an intuitive and visually appealing user interface, comprising reusable UI components like navigation bars, forms, and modals. The application's functionality will be enhanced through efficient state management and seamless integration with external APIs to fetch and display dynamic data. Additionally, client-side routing will enable smooth navigation between different views or pages. Emphasis will be placed on ensuring responsiveness across devices, comprehensive testing for functionality and reliability, and proper documentation. Collaboration with backend developers and stakeholders will ensure the successful integration of the frontend with the overall project objectives.

CHAPTER: 3 SOFTWARE AND HARDWARE REQUIREMENTS

Minimum Hardware Requirements

Processor	2.0 GHz
RAM	4 GB
HDD	512 GB

3.1 Minimum Hardware Requirements

Minimum Software Requirements

Operating System	Any operating system which can support an internet browser.
Programming language	CSS, HTML, React Js
Other tools & technologies	Internet browser

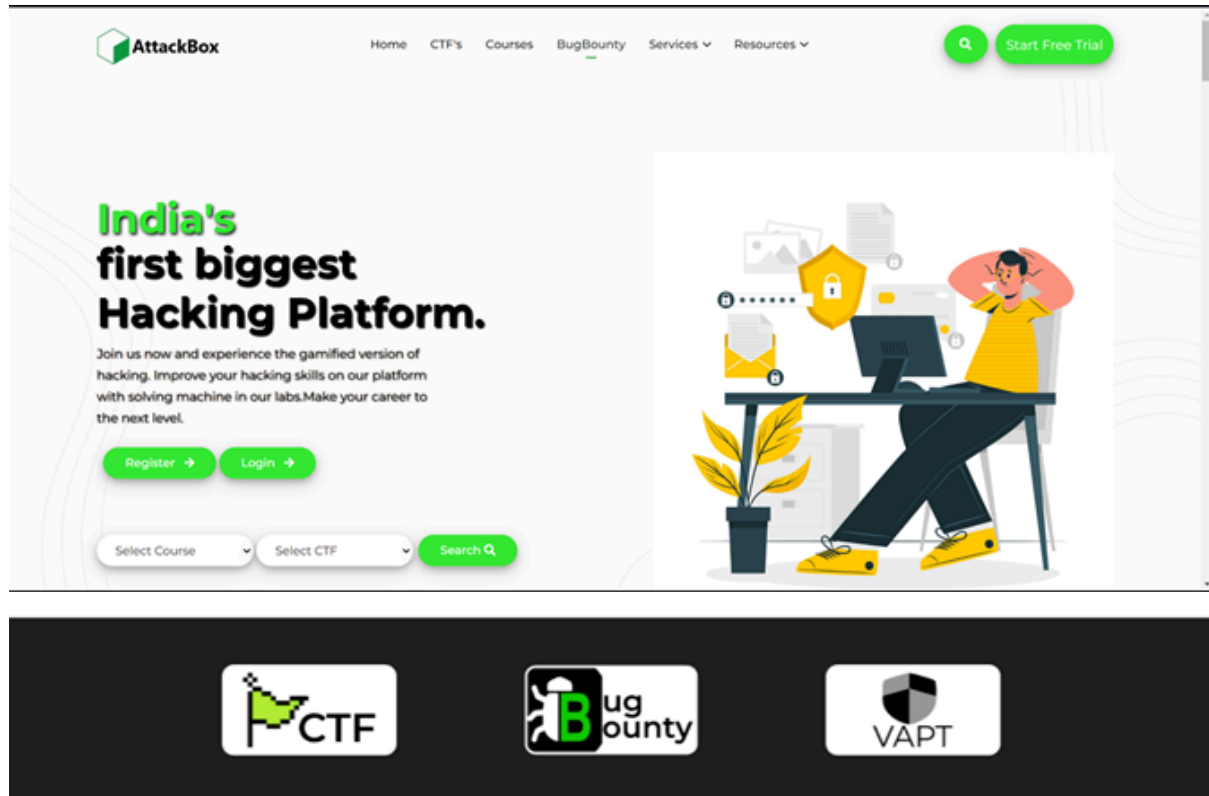
3.2 Minimum Software Requirements

CHAPTER: 4 PROJECT PLAN

- Requirement Gathering and Analysis.
- Design Phase.
- Development.
- Testing.
- Optimization and Performance Tuning.
- Documentation.
- Deployment.
- Post-Deployment Support and Maintenance.

CHAPTER: 5 IMPLEMENTATION DETAILS

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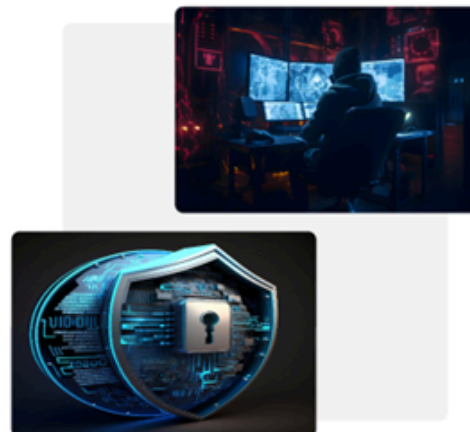


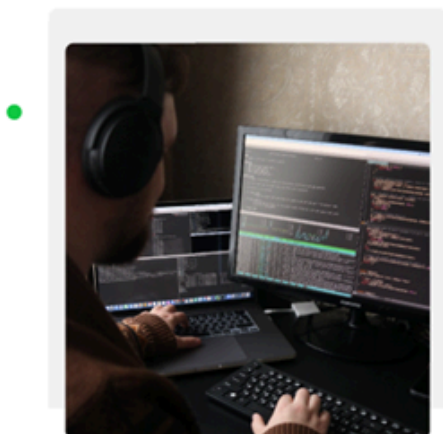
About Us

Empowering the world to build a safer internet.

AttackBox is a browser-based cyber security training platform, with learning content covering all skill levels from the complete beginner to the seasoned hacker. We're a gamified, hands-on cyber security training platform that you can access through your browser, with blue, red and purple team content for all skill levels.

Our co-founders, Kushlendra launched AttackBox after realising the inaccessibility of the industry. Learning cyber security previously entailed a black-box approach with a lack of guides and challenges, leaving the industry incredibly tricky for people to break into and difficult for those already in-market to upskill continuously. This is where we come in!





Features

We are always working to provide you best of the features in all aspects.

Outmatch cybercriminals with a legion of ethical hackers who work for you to continuously protect your attack surface. Eligible Open Source projects get free access to AttackBox's platform for vulnerability submission and coordination, bug bounties, and more.

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A dark-themed banner featuring a person wearing headphones and glasses, looking at a laptop. The laptop screen shows code. The background is dark with some light blue and green accents.

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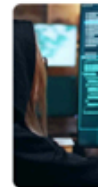
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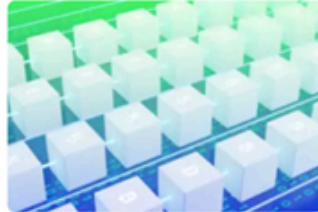
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How to Use Your Bug Bounty Budget Efficiently

Organizations of all sizes and budgets experience some of the same challenges when managing their bug bounty

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HackerOne offers robust AI Red Teaming services that help organizations bolster the security, fairness, and reliability of

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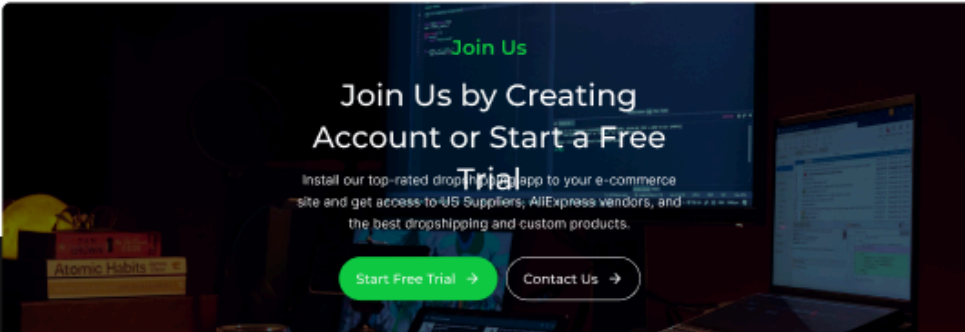
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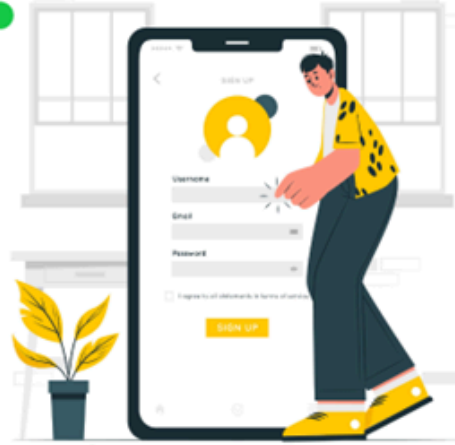
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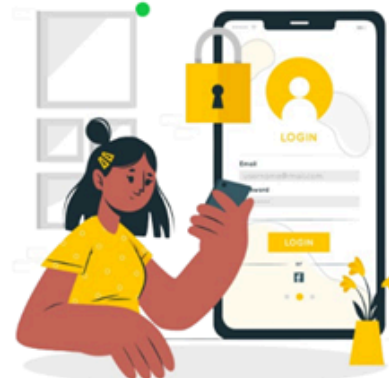
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How a Cross-Site Scripting Vulnerability Led to Account Takeover



Cross-site scripting (XSS) is the perfect storm of vulnerabilities. It's a web vulnerability, which means it's found throughout one of the most common technologies. It's very easy to introduce. It can have severe impacts for organizations. And yet, despite the known repercussions, it's incredibly common. Fortunately, with the right solution in place, it's also very easy to identify.

Monday, 1 Jan 2024

How to Find Mistakes Earlier and Save Money With Code Security Audit



Our CTO, Alex Rice, likes to say that shift left is dead — and he's right. DevOps teams may care about security, but it's not their area of expertise, and it's not a priority for their pipeline goals. And who can blame them? Even if it can be done right, incorporating security into the DevOps process adds friction, often taking months or even years of trial and error. When shipping code quickly is the primary priority, adding security is just another thing that slows developers down.

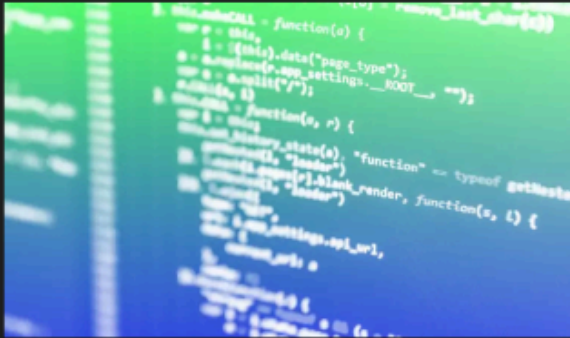
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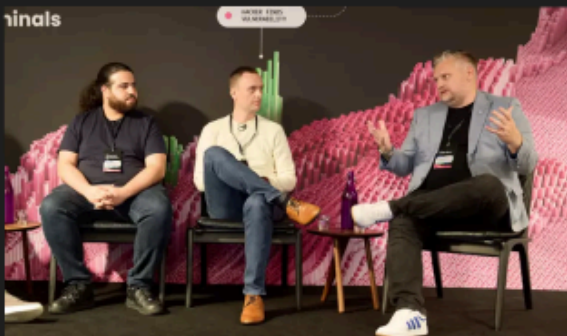
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CHAPTER 6: CONCLUSION AND FUTURE WORK

- Live Page Hosting.
- Make it responsive.
- Dashboard development.
- Further Development of the remaining pages

CHAPTER 7 :REFERENCES

www.w3schools.com

www.ThemeFisher.com