



BARKATULLAH UNIVERSITY INSTITUTE OF TECHNOLOGY,B.U. BHOPAL (M.P.)

## department of information technology

*DEPARTMENT OF INFORMATION TECHNOLOGY*

# DISCLAIMER

I, Pooja Mandrai, a 5th-semester IT student at Barkatullah University Institute of Technology, am pleased to announce the successful completion of my Web Development Internship with prodigy infotech . This invaluable experience deepened my understanding of web development, spanning foundational principles to advanced techniques. Through this internship, I have acquired a diverse skill set, enabling me to effectively apply my knowledge in practical, real-world scenarios. This achievement represents a key milestone in my academic and professional journey, further strengthening my expertise in web development.

NAME:- Pooja Mandrai

I.T. 5TH SEM



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# certification

This is to certify that the document titled "one -month Web Development Internship," submitted by Pooja Mandrai to the Department of Information Technology, U.I.T., B.U. Bhopal, pertains to internship training undertaken by the candidate during the 2024-25 academic session. Furthermore, it is confirmed that the details provided in the internship report meet the requirements set forth by the ordinance governing the Bachelor of Engineering degree in Information Technology at Barkatullah University, Bhopal.

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## Introduction----5

## real-world experience----6

## skill enhancement----7

## projects----8

## soft-skills development----11

## Job responsibility----14

## Learning experience----15

## certificate----16

## Feedback----17

## Conclusion----18

Ziya Siddiqui

table of content

# introduction

During my valuable one-month internship in web development, I deeply engaged in the dynamic process of designing and improving web solutions. Driven by my enthusiasm for programming and troubleshooting, I actively contributed to different aspects of front-end and back-end development. Working alongside experienced mentors, I enhanced my expertise in HTML and CSS. This practical experience enabled me to work on real-world projects, providing essential insights into industry standards and best practices. The internship not only strengthened my technical skills but also developed my teamwork abilities, offering a comprehensive understanding of the rapidly evolving web development field.

real-world experience

During my internship, I gained valuable real-world experience in web development. I worked on live projects, using my skills in coding, debugging, and problem-solving to handle real challenges. Collaborating with experienced professionals, I explored both front-end and back-end development while completing projects like Orphic Solution, Sassy Event, and Non-Trade Cement Construction. This hands-on experience gave me a clear understanding of how the industry works and taught me important best practices. Working with different teams improved my communication and teamwork abilities. Overall, my internship provided practical and in-depth knowledge about the fast-changing field of web development.

Skill Enhancement

During my one-month internship, I significantly enhanced my web development skills, mastering front-end technologies like HTML, CSS, and responsive design. Hands-on experience with tools and combined with teamwork in a professional setting, strengthened my problem-solving abilities and adaptability for future growth.

# projects:-During my Internship ,I have completed many Real-world Projects .I have contributed in making three of the major Web-sites which are

# 1.tic tac toe

During my internship at prodigy infotech, I developed a Tic Tac Toe application as part of a hands-on project. My main responsibility was to create a simple, interactive game that users could enjoy on any device. I used HTML, CSS, and JavaScript to design the user interface and implement game logic. The game allowed players to take turns placing X’s and O’s, with a clear display of the winner or a tie. By integrating responsive design, I ensured the game worked smoothly across various screen sizes. This project enhanced my understanding of front-end development and improved my ability to create functional, user-friendly web applications. only showcased my technical skills but also underscored my ability to contribute meaningfully to the company's online presence through effective collaboration and innovation.

# 2.stopwatch

During my one-month internship at Prodigy Infotech, I developed a stopwatch application as a practical project. The goal was to create a simple yet functional tool that allowed users to start, stop, and reset a timer with ease. I used HTML, CSS, and JavaScript to design the stopwatch, incorporating features like start, pause, reset, and lap time functionality. I focused on making the interface clean and user-friendly, with real-time updates of the elapsed time. This project not only enhanced my technical skills but also taught me how to develop interactive web applications with a focus on usability and functionality.

3.wather application

During my one-month internship at Prodigy Infotech, I worked on developing a weather application as part of a real-world project. My role involved designing the user interface using HTML and CSS, and integrating the application with an API to fetch real-time weather data. I focused on ensuring that the app displayed accurate weather information, such as temperature, humidity, and forecasts, in a clean and user-friendly format. I also implemented features like search functionality, allowing users to check the weather in different locations. This project helped me enhance my skills in front-end development and taught me how to work with APIs to create interactive, data-driven applications.

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| soft-Skiils development | |
| Customer review with solid fill | ****Effective Communication:**** |
| Throughout my internship, I focused on developing strong communication skills. I made sure to clearly and effectively communicate project requirements, present updates, and seek feedback, ensuring all information was easy to understand. This ability not only improved collaboration with team members but also contributed to a more efficient workflow and the successful completion of tasks. Additionally, I honed my soft skills by actively listening, being receptive to constructive criticism, and adapting to team needs, which enhanced my overall performance and relationships within the team. |
| Classroom with solid fill | ****Adaptability and Learning Agility:**** |
| During my internship at Prodigy Infotech, I demonstrated strong adaptability and learning agility by quickly adjusting to new tools, technologies, and development practices. As the field of web development is constantly evolving, I was required to learn and implement various frameworks, languages, and platforms. Whether it was adapting to new versions of tools like WordPress or learning how to integrate APIs for the weather application, I consistently embraced new challenges. This proactive learning approach not only enhanced my problem-solving skills but also helped me stay efficient and effective in the fast-paced, ever-changing environment of web development. By continuously acquiring new skills and adapting to the team’s needs, I was able to contribute meaningfully to projects and improve my overall technical proficiency. |
| Hourglass Finished with solid fill | ****Time Management and Prioritization:**** |
| * Managing multiple tasks with varying deadlines was a key responsibility during my internship at **Prodigy Infotech**. I honed my time management and prioritization skills, learning how to allocate time effectively to meet project milestones. By breaking down larger tasks into manageable steps, I was able to stay organized and focused, ensuring that deadlines were met without compromising the quality of my work. * I also learned to balance short-term tasks with long-term project goals, making sure that each step contributed to the overall success of the project. This skill is essential in web development, where multiple moving parts must be managed simultaneously. |

# Job responsibility

* During my internship, I was entrusted with several key responsibilities, which included:

1. **Web Development**:  
   I was involved in both front-end and back-end development tasks, including building and maintaining web pages using **HTML**, **CSS**, **JavaScript**, and **PHP**. I also worked on integrating databases with **SQL** and ensured that web applications were responsive and functional across devices.
2. **Bug Fixing and Debugging**:  
   I worked to identify and resolve bugs, optimizing web applications and improving their performance. Testing was a significant part of my work, as I ensured that each feature worked as intended before deployment.
3. **Collaboration and Communication**:  
   I participated in team meetings, provided regular updates on my progress, and worked closely with other developers to solve problems. I used **GitHub** to collaborate on coding tasks and ensure that our codebase remained clean and organized.
4. **Project Management**:  
   I assisted in managing project timelines, ensuring that all tasks were completed on schedule. I helped with task prioritization, making sure that urgent and important tasks were addressed first.

# Learning expirience

* This internship provided me with a comprehensive learning experience, significantly enhancing my technical skills and understanding of real-world web development processes. I gained hands-on experience with both front-end and back-end technologies, learned how to collaborate effectively within a team, and refined my problem-solving abilities. The challenges I faced taught me how to adapt quickly and approach problems methodically, while feedback from my mentors helped me grow both as a developer and a team member.
* I also learned the importance of continuous learning, time management, and communication in the web development industry. These skills will undoubtedly help me as I pursue further projects and professional opportunities in the field.

Feedback

* The feedback I received during my internship at **Prodigy Infotech** was overwhelmingly positive. My mentors appreciated my ability to learn quickly and apply new concepts to real-world projects. They commended my problem-solving skills, ability to collaborate effectively, and strong communication. I also received constructive feedback, particularly in areas related to back-end development and more advanced features like API integration, which I plan to continue exploring.
* This feedback motivated me to further improve my technical expertise, especially in areas like server-side scripting and database management. It also reinforced the importance of teamwork, communication, and adaptability in delivering high-quality web development solutions.

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| --- |
| conclusion |

* In conclusion, my internship at **Prodigy Infotech** was a highly enriching experience that provided me with the technical skills, professional knowledge, and real-world exposure necessary to succeed in the web development industry. I gained a deeper understanding of both front-end and back-end development, learned to work effectively within a team, and developed the communication and problem-solving skills needed for a successful career in tech.
* This internship has not only expanded my technical expertise but also instilled in me the importance of adaptability, time management, and continuous learning. As I move forward in my career, I am confident that the skills and experiences I gained at **Prodigy Infotech** will serve as a strong foundation for my future success in web development.