

INTERNSHIP REPORT

Submitted in partial fulfillment of requirement
for the award of the degree

MASTER of COMPUTER APPLICATIONS

of

Visvesvaraya Technological University, Belagavi

By

Deepthi Nayak – 4NM20MC021

2020-2022



Nitte Mahalinga Adyanthaya Memorial Institute of Technology

Nitte – 574110, Karkala, Udupi District

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Under the guidance of

Y Vishnuvardhan
Chief Director
Exposys Data Labs,
Bangalore

Duration : **13th February, 2022 to 12th March, 2022**



(An Autonomous Institution affiliated to VTU, Belagavi)

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CERTIFICATE

This is to certify that the Internship Report
Submitted in partial fulfillment of requirement
for the award of the degree

MASTER of COMPUTER APPLICATIONS

is a result of the bonafide work carried out by

Deepthi Nayak – 4NM20MC021

During the academic year 2021-2022

Internal Guide

Dr. Pallavi Shetty
Associate Professor
Department of MCA,
NMAM Institute of Technology, Nitte

Dr. Surendra Shetty
Professor & Head
Department of MCA,
NMAM Institute of Technology, Nitte

INTERNSHIP CERTIFICATE

**Exposys
Data Labs**



Certificate of Internship

TO WHOM IT MAY CONCERN

This is to certify that **Ms. DEEPTHI NAYAK** has completed internship programme on “**Web Developer**” from 13.02.2022 to 12.03.2022.

She took keen interest in the work assigned and successfully completed it. During the period of internship we found her to be punctual, hardworking and inquisitive.

We wish her luck and success in all her future endeavours.

Y Vishnuvardhan

Chief Director



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ACKNOWLEDGEMENT

It gives me great pleasure to express my sincere heart – felt thanks to each and every one associated with this project, without whom the successful accomplishment of this piece of work would not have been possible.

I am thankful to Dr. Niranjan N Chiplunkar, Principal, NMAMIT, Nitte, for providing me an opportunity to undertake this project.

I would like to thank Dr. Surendra Shetty, Professor & Head, Department of MCA, NMAMIT, Nitte, for his continuous support.

I would also like to thank Dr. Pallavi Shetty, Associate Professor, Department of MCA, NMAMIT, Nitte, my mentor and project guide for her continuous support, suggestions, encouragement and constant supervision in completing this project.

I would like to express my sincere thanks to Mr. Y Vishnuvardhan, Chief Director, Exposys Data Labs, Bengaluru where I carried out this project, for his help and guidance throughout this project.

Finally, I acknowledge with great gratitude, the encouragement provided by everyone who were a part of this project in one or the other way.

Deepthi Nayak

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ABSTRACT

Every year, Exposys Data Labs offers internships to NMAMIT students so they can learn industry standards firsthand while still in education. The NMAM Institute of Technology, Nitte has accepted these internship drives as partial criteria for the delivery of a Masters in Computer Applications. I completed a WEB DEVELOPMENT internship, which helped me better comprehend the various languages and technologies utilized in the internet building industry.

The goal of the internship was to gain exposure to the domain and agile development process and to create a Web Application project using the knowledge acquired over the course of the four-week program. Understanding the key Web development technologies and learning about the value of various languages and their use cases in actual scenarios were primary foci of the training.

ABOUT THE ORGANIZATION

Exposys Data Labs started off in 2017 as a collaboration of IITs and NITs working on research and development solutions. VISHNUVARDHAN Y established it. Exposys Data Labs seeks to find solutions to current business issues in the fields of web development, automation, big data, and data science. With the aid of cutting-edge technologies like AI, ML, Deep Learning, and Data Science, the core team of technology professionals assists organizations in identifying problems, opportunities, and prototype solutions. uses a human-focused strategy rather than one centered on technology to succeed in our clients' undertakings.

Through its digital transformation services, Exposys Data Labs is committed to assisting brands in growing. The business-critical applications to the potent augmented and virtual reality applications that push the boundaries of consumer, industrial, experiential, and commerce applications for the most cutting-edge brands in the world are all covered by the software and hardware, design, and development services. Their proactive growth plan, as a renowned global leader in development and design, enables our clients to surpass their goals while merging our team with theirs. They bring together potent technologies, captivating images, and cutting-edge techniques to communicate the story of your firm and produce data-driven outcomes.

Students can participate in an internship program at Exposys Data Labs. They provide a one-month paid internship and send you assignments to your saved email address. Students receive an internship certificate once they have finished their assignments.

INTERNSHIP POSITION

Role: Web Development

Overview of Web Development

The capacity to create, develop, and host online legible and useful portfolios—commonly referred to as "websites"—has to be credited with making the Internet desirable for practically any purpose imaginable. The Internet functions as a whole because of these websites. Therefore, the concept behind "Web Development" is the art of building and hosting such websites on the Internet. It is one of the most significant technical fields in contemporary computing and is essential to all businesses.

Task: Create a Multi – Page Responsive website

INTERNSHIP EXPERIENCE

The capacity to create, develop, and host online legible and useful portfolios—commonly referred to as "websites"—has to be credited with making the Internet desirable for practically any purpose imaginable. The Internet functions as a whole because of these websites. Therefore, the concept behind "Web Development" is the art of building and hosting such websites on the Internet. It is one of the most significant technical fields in contemporary computing and is essential to all businesses.

The assignment assigned to us for the internship was to create a multi-page responsive website. The internship was a terrific learning opportunity for me, and I came away with a solid understanding of several topics connected to web development. Through this internship program, I had the chance to learn and create a web application on a subject of my choosing. I gained a great deal of expertise in the field of website creation through this internship program, and I also learned about the most popular technologies being utilized in the business.

The Exposys Data Labs team members greatly aided us in finishing our project during the internship time. When we encountered difficulties finishing our project, our mentors and trainers assisted us and helped us find solutions. We were required to create a web application as part of the one-month internship. They sent all the necessary requirements and other data by mail. Email was the method of communication if any updates or more information were to be provided.

We must create our website in accordance with their specifications before mailing the finished result back to them. They would need some time to verify the completed web application before informing the further procedures after it was given to them. Finally, they would offer a successful internship completed certificate provided the project met all of the prerequisites and standards that were listed.

I gained knowledge of a variety of technologies during my internship with Exposys Data Labs, including how to create web pages, understand operating systems, and utilize various web development tools. In the near future, I think my skill set in web development will benefit from them.

PROJECT AND TECHNOLOGIES USED

This project is designed so as to be used by a car rental company specializing in renting cars to customers. It is an online system through which customers can view available cars, register, view profiles, and book cars.

Aims & Objectives

- create a web-based system that will enable customers to register and book cars online and will help the organization to manage their vehicle rental business successfully.
- To make it easier for customers to rent a car anytime they need to.

For the project's development, we used PHPMYADMIN for database design, basic PHP for the back end, and the same basic PHP for the front end. Software approaches focus more on the organizational than the technical parts of the software development process. Since the beginning of information technology, a number of software development methodologies have been employed. The back end of the entire system was created utilizing PHP, JavaScript, XAMP Server, and MYSQL. The web page is created using HTML, Bootstrap. To comprehend the client's request and respond to it, the XAMP Server is employed. Client-side validations are performed using JavaScript so that users can only enter valid data in input fields. The database is housed in the back-end tool MYSQL. Because of the user-friendly and straightforward architecture of the entire system, its implementation has been quite simple.

Each software module is meticulously verified for defects and output accuracy during the software testing phase. The created system is very user-friendly, and whenever needed, the user may access the detailed instructions online. The formal test encompassing all the components often marks the completion of the implementation process.

CONCLUSION

I have gained a lot of knowledge about the web development industry thanks to Exposys Data Labs. I realized that in order to build better projects and solve problems, I needed to acquire a greater understanding of how websites are made and the many technologies that are employed. During my four weeks of internship, I gained knowledge of business strategies and methods that would be useful to me moving forward.

Finally, I think my supervisors and the field of web development in general have taught me a lot. I'll apply all the knowledge and abilities I've acquired to my next position in the industry. I feel more confident in myself now that my internship is over, and I want to thank Exposys Data Labs for giving me this wonderful chance.