OASIS INFOBYTE

INTERNSHIP OFFER LETTER

OIB/M2/IP5446

Dear Rushikesh Sharad Mane

We are delighted to welcome you for the internship of **Web Development and Designing** in our fellowship.This internship is observed by **Oasis Infobyte** as being a learning opportunity for you.

In essence, your internship will embrace orientation and give emphasis on learning new skills with a deeper understanding of concepts through hands-on application of the knowledge you gained as an intern. Our team is confident that you will acknowledge your obligation to perform all work allocated to you to the best of your ability within lawful and reasonable direction given to you.

We look forward to a worthwhile and fruitful association which will make you equipped for future projects. wishing you the most enjoyable and truly meaningful internship program experience.

Thank you
Team Oasis Infobyte

contact@oasisinfobyte.in

www.oasisinfobyte.com

MSME
Micro, Small, & Medium Enterprises
सूक्ष्म, लघु, एवं मध्यम उद्योग

OASIS INFOBYTE

<u>INTERNSHIP OFFER LETTER</u>

OIB/M2/IP9320

Dear Rushikesh Sharad Mane

We are delighted to welcome you for the internship of **Java Programming** in our fellowship.This internship is observed by **Oasis Infobyte** as being a learning opportunity for you.

In essence, your internship will embrace orientation and give emphasis on learning new skills with a deeper understanding of concepts through hands-on application of the knowledge you gained as an intern. Our team is confident that you will acknowledge your obligation to perform all work allocated to you to the best of your ability within lawful and reasonable direction given to you.

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Thank you
Team Oasis Infobyte

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INTERNSHIP OFFER LETTER

Date- 21/03/2023
RUSHIKESH SHARAD MANE
CDAC-HYDERABAD

Dear Rushikesh Sharad Mane,
Welcome to CodeClause!

Congratulations! We are delighted to make you an offer as an intern as **Java Development Intern**
Here are the terms and conditions of our offer:
Your scheduled date of internship with us will be from**1-Apr-2023** . If you accept this offer, you will
begin your internship with the Company. As an intern, you will receive "temporary employment"
status. As a temporary employee, you will not receive any of the employee benefits that regular
Company employees receive.

By accepting this offer, you agree that throughout your internship, you will observe all policies and
practices governing the conduct of our business and employees, including our policies prohibiting
discrimination and harassment. This letter sets forth the complete offer we are extending to you
and supersedes and replaces any prior inconsistent statements or discussions. It may be changed
only by a subsequent written agreement.
This letter constitutes the complete understanding between you and the Company regarding your
internship and supersedes all prior discussions or agreements. This letter may only be modified
by a written agreement signed by both of us. I hope that your internship with the Company will be
successful and rewarding.

Thank You
CodeClause

official@codeclause.com

www.codeclause.com

Offer Letter

12 March 2023

Congratulations Rushikesh Sharad Mane !!

We would like to congratulate you on being selected for the **"Java Developer Intern"** Internship position with **LetsGrowMore**, effective from **"1 April 2023"**. All of us at **LetsGrowMore** are excited that you will be joining our team! We hope you are elevated to start this innovational journey with us.

This Internship is viewed by **LetsGrowMore** as being an educational opportunity for you. As such, your internship will include orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in class. And, you will find yourself adjoining with numerous opportunities to refine and flaunt your skills.

While performing the internship, you acknowledge your obligation to perform all work allocated to you to the best of your ability and comply with all lawful and reasonable directions and instructions given to you. We look forward to an abiding and fruitful association with you and are sure that you will look back at your engagement with us as a gratifying experience.

Wishing you all the best!

Warm Regards,

Aman Kesarwani

Aman Kesarwani
Founder

MSME
MICRO, SMALL & MEDIUM ENTERPRISES

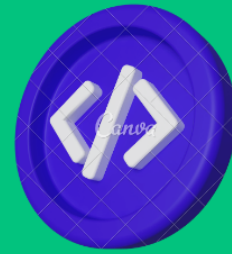**CID- LGMVIPADWL0007352**

Verify Here

OASIS INFOBYTE

Web Development and Designing

TASK LIST

LEVEL 1
TASK 1

LANDING PAGE

A landing page is one of the best web development projects for beginners. This project demands a foundational understanding of HTML and CSS. You will learn how to add columns, divide sections, arrange items, add headers, footers. Most importantly, you will use your creativity to make the page look impressive. The alignments, the padding, the color palette, boxes and all the other elements on the page require attention. Use CSS carefully to make sure the elements on the page do not overlap.

For Demo Click

LEVEL 1
TASK 2

PORTFOLIO

You can create a personal portfolio with the basic skills in CSS and HTML. This is yet again, one of the most common projects on web development for beginners. In a personal portfolio, you get to show a wide range of samples and skills and add your resume. You can add an image at the top where you can introduce yourself; below that, you can add contact information.

For Demo [Click](#)

LEVEL 1
TASK 3

TEMPERATURE CONVERTER WEBSITE

The user will input a temperature in either Fahrenheit or Celsius and press a "convert" button. The converted temperature will then be displayed with the correct unit.

Your UI should include four main elements:

- Input field for the user to type in their temperature - don't forget to validate that the input is a number!
- Dropdown menu or radio button for the user to choose if they are inputting in Celsius or Fahrenheit
- "Convert" button to trigger the temperature conversion
- Display area for the final converted temperature and unit

For an extra challenge: You can add in a third conversion option to convert from and to Kelvin as well.

For Demo [Click](#)

LEVEL 2
TASK 1

CALCULATOR

It takes a little skill to create a calculator with basic mathematical functionalities using CSS, HTML, and JavaScript. Calculators require an interactive interface to perform basic functions such as addition, subtraction, division, and multiplication. It will need a display screen to display the user's input and give the results. The grid system in CSS is for the alignments of buttons on the calculator. The additional tools you need to build a fully functional calculator include eventListeners, if-else statements, operators, loops, and so on.
For Demo [Click](#)

LEVEL 2
TASK 2

TRIBUTE PAGE

With a basic understanding of HTML and CSS, you can easily create a page for someone you admire. Write about what you adore in the person, add images, give an appealing layout, use paragraphs appropriately. You can also play around with different font styles and background colors.
For demo [Click](#)

LEVEL 2

TASK 3

A BASIC TO-DO WEBAPP

Develop a basic to-do app that enables a user to add daily tasks.
The to-do web app must allow users to add new items to a list, and items added to a list must be visible. Also, a user can mark a task "complete" upon its successful completion, and these completed tasks must appear on a separate list, say Completed Tasks.
You can also add a separate section titled Pending Tasks that will list all the tasks that require completion. In such a case, the to-do list will be a union of the Pending Tasks list and the Completed Tasks list. Irrespective of the list, a user must be able to delete or edit tasks from it.
To further increase the web app's complexity or make it more detailed, you can add the date and time when a task is added and/or completed.

For demo Click

LEVEL 3

TASK

PIZZA DELIVERY APPLICATION

1. Create a full stack app using React, MongoDB, and Nodejs.
2. Create an admin login and a user login with complete registration, authorization, email verification, and forgot password system.
3. After logging in, users should be able to view the available pizza varieties in the dashboard.
4. Users can start making the custom pizza with the following flow.
- Choose any pizza base from 5 options.
- Next, choose any sauce from 5 options.
- Select a cheese type .
- Opt veggies from many options.
5. Integrate the razor pay checkout for payment. Create a dummy account and integrate the test mode. In test mode, on

   clicking success, place and confirm the order.
6. In the admin login, create a mini inventory management system keeping track of available pizza base, sauce, cheese, veggies, and meat.
7. After an order, update the necessary changes in stock and present them in the admin dashboard.
8. Schedule a notification to the admin email id when the available stock goes beyond the threshold value. (e.g. the total pizza base is below 20 after so many consecutive orders, trigger an email)
9. Admin must receive the order and change the status of the pizza- as order received, In the kitchen, and Sent to delivery.
10. For every update from the admin, the status change must be reflected in the user dashboard

OASIS INFOBYTE

Java Development

TASK LIST

For **Java Development** internship you will need to complete atleast 2 tasks for successful completion of internship.

TASK 1

ONLINE RESERVATION SYSTEM

This Online Reservation System will include all the necessary fields which are required during online reservation system. This Online Reservation System will be easy to use and can be used by any person. The basic idea behind this project is to save data in a central database which can be accessed by any authorize person to get information and saves time and burden which are being faced by their customers.

Modules

Login Form – To access this Online Reservation System, each user should have a valid login id and password. After providing the correct login id and password, users will able to access the main system.

Reservation System – Under reservation form users will have to fill the necessary details such as their basic details, train number, train name will automatically come in the box, class type, date of journey, from (place) to destination and after that, users will have to press insert button.

Cancellation Form – If passengers want to cancel their tickets then they have to provide their PNR number and after submitting it, this will display the entire information related to that particular PNR number. If users want to confirm their cancellation, in this case they have to press OK button.

TASK 2

NUMBER GUESSING GAME

The fun and easy project "Guess the Number" is a short Java project that allows the user to guess the number generated by the computer & involves the following steps:

1. The system generates a random number from a given range, say 1 to 100.
2. The user is prompted to enter their given number in a displayed dialogue box.
3. The computer then tells if the entered number matches the guesses number or it is higher/lower than the generated number.
4. The game continues under the user guessing the number.

You can also incorporate further details as:

- Limiting the number of attempts.
- Adding more rounds.
- Displaying score.
- Giving points based on the number of attempts.

TASK 3

ATM INTERFACE

We have all come across ATMs in our cities and it is built on Java. This complex project consists of five different classes and is a console-based application. When the system starts the user is prompted with user id and user pin. On entering the details successfully, then ATM functionalities are unlocked. The project allows to perform following operations:

1. Transactions History
2. Withdraw
3. Deposit
4. Transfer
5. Quit

For Demo Click

TASK 4

The project should be capable of the following functionalities.

- Login
- Update Profile and Password
- Selecting answers for MCQs
- Timer and auto submit
- Closing session and Logout

TASK 4

ONLINE EXAMINATION

The project should be capable of the following functionalities.

- Login
- Update Profile and Password
- Selecting answers for MCQs
- Timer and auto submit
- Closing session and Logout

TASK 5

DIGITAL LIBRARY MANAGEMENT

- The main objective of this project is to provide a complete automated Library by digitizing its each and every functionality. Starting from the book-keeping, issuing of books, fine generation, advance booking and report generation all will be accomplished under one single project. The project will be a web based project with a database server responsible for maintaining every single detail of the Library. It has a very user friendly interface which can easily be operated by any non-technical person.

  There are essentially two modules of this software;

- Admin module: Admin will have complete control over the system. Admin has permissions to update, delete or modify any existing record or make a new entry (books and members).

- Users: The normal users enjoy only limited privileges. They have a view access to the books. They can browse through the categories, search for a particular book, return and issue a book. They are also provided with an email option in case of a query.

This task is to determine your understanding of Core Java Concepts

Setup
We believe in an agile work process and collaborate with each other to be on the same page of the development process we use :
IDE: Microsoft Visual Code Studio

COMPULSORY TASK

Working
You have to create a Java app and that should be posted on GitHub

01

BEGINNER LEVEL TASK
CREATE A CURRENCY CONVERTOR IN JAVA

Technologies Required - Java programming language, Java Servlets Web Features, Applet, and Ajax.

Project Description - The purpose of this Java project is to convert a currency from one to another.
A web-based interface for converting currency and getting the output value, for example, here displays converting the currency of the US dollar to INR.
We see variations with different countries using different currencies. Be aware of the current exchange prices in the market and then can convert from one currency to another. A calculator-like application, developed using Ajax, Applet, and web features of Java servlets. You also get a regular update when there's a change in the value of the country's currency and also the conversion rate.

02

BEGINNER LEVEL TASK

CREATE A TIC-TAC-TOE GAME

02 BEGINNER LEVEL
Create a Tic-Tac-Toe Game web application using Java

Technologies Required - Java, Java Swing, Java GUI (Graphical User Interface), and JFrame.

Project Description
The game starts with two players as active members, having a one-print board on the screen which displays 9 boxes (i.e., 3×3). The first person who starts the game has to enter either X or O for any one box, followed by the other player entering the other X or O (opposite to what the first player has entered). this continues unless any one of them gets a line cut either diagonally or straight. And the person who founds the line is the winner of the game.

03

INTERMEDIATE LEVEL TASK
CREATE A SCIENTIFIC CALCULATOR

03 INTERMEDIATE LEVEL TASK
Create a Scientific Calculator in Java

Technologies Required - Java, Java Swing, Java AWT, and OOPS

Project Description
A Scientific calculator built using Java is a general-purpose application whose primary objective is to perform basic mathematical operations and also perform some essential and tricky solutions to trigonometric functions, logarithms, etc.

04

INTERMEDIATE LEVEL TASK
CREATE A SIMPLE SEARCH ENGINE

This task is to determine your understanding of Core Java Concepts

Setup
We believe in an agile work process and collaborate with each other to be on the same page of the development process we use :
IDE: Microsoft Visual Code Studio

Working
You have to create a Java app and that should be posted on GitHub

04 INTERMEDIATE LEVEL TASK
Create a Simple Search Engine in Java

Technologies Required - Java, Java Servlet, Oracle or SQL Database, JDBC, Apache Tomcat, and JSP

Project Description

Simple Search Engine is a Java application developed using Servlets, SQL Server, and Oracle database. It can include features like a search bar, which displays the top 30 websites related to the keyword searched. The database containing resource description is described in SOIF (Summary Object Interchange Format) format. The interaction with the search server to access the database is dependent on the Java interface provided by classes in Java SDK. Your search engine contains a history of the pages you searched for, pages visited in the past few days, accounts linked with it, etc

05

ADVANCE LEVEL TASK
CREATE A TEXT EDITOR IN JAVA

This task is to determine your understanding of Core Java Concepts

Setup
We believe in an agile work process and collaborate with each other to be on the same page of the development process we use :
IDE: Microsoft Visual Code Studio

Working
You have to create a Java app and that should be posted on GitHub

05 ADVANCE LEVEL TASK
Create a Text Editor in Java

Technologies Required - Java, Java Swing, Java AWT, JTextArea, JMenuBar, JMenu, and JMenuItems.

Project Description
A Text Editor built using Java uses JTextArea, JMenu, JMenuItems, and JMenuBar to perform various tasks. It allows the user to enter, change, store, and print text. It also has a file menu to make changes in files (like open, save, close, and print) for future reference. and an edit menu to cut, copy and paste texts. Also, it has a "Save and Submit" button to close the file after saving the data. An actionListener is also used to detect actions in the project.

Project Details

Position- Java Development Intern	
Start Date- 01 Apr 2023	Submission Date- 30 Apr 2023

Allocated Project

Sr.No	Project Name
1	Library management system
2	Virtual private network

Golden Projects (Not Compulsory)

Sr.No	Project Name
1	Email client software
2	Integrate Payment Gateway

Software Requirements

IDE- Eclipse/Netbeans/VS Code/Intellij IDEA etc.

Database- Oracle/MySQL/MongoDB,etc.

Server- XAMPP/WAMPP, etc.

Eligibility Criteria

1.You have to complete at **least one Project** assigned to You To **Earn Internship Completion Certificate.**

2. You have to complete **two projects** assigned to you To **Earn LOR (Letter Of Recommendation)** .

3.You have to complete **two projects** and at **least one Golden Project** To **Earn Swags and more.**