



**Rajalakshmi Engineering College  
(An Autonomous Institution)  
Rajalakshmi Nagar,  
Thandalam- 602105**

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**

**TITLE OF YOUR INTERNSHIP**

**CS23421 – INTERNSHIP**

*Internship Report submitted by*

**REGISTRATION NUMBER :  
STUDENT NAME :  
YEAR : 2023-2027  
INTERNSHIP COMPANY : TRAINER NAME :  
INTERNSHIP PERIOD : FROM : 27.12.2024 TO: 10.01.2025  
INTERNSHIP DURATION : 15 DAYS**



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(Approved / Not Approved)

**EXAMINER 1**

(Approved / Not  
Approved)

**EXAMINER 2**

(Approved / Not  
Approved)

**Deputy HoD**

(Approved / Not  
Approved)

**HoD / CSE**

# WORK CARRIED IN INDUSTRY

## TECHONOLOGIES AND TOOLS USED:

During my internship at Codebind Technologies, I underwent practical training in full-stack web development. This included mastering front-end technologies, server-side scripting, and database integration. Below is a detailed account of what I learned:

### 1. HTML (Hypertext Markup Language):

- Built the structural layout of webpages.
- Used essential tags like headings, lists, forms, tables, and multimedia elements
- Applied semantic HTML to improve accessibility and SEO.

### 2. CSS (Cascading Style Sheets):

- Designed and styled webpages using internal and external CSS
- Learned the Box Model, layout techniques (Flexbox, Grid), and positioning.
- Implemented hover effects, transitions, and responsive designs using media queries.

### 3. JavaScript:

- Added interactivity through DOM manipulation and event handling.
- Performed form validations like checking empty fields or validating email formats.
- Used JavaScript to show dynamic content, alert messages, and toggle menus.

These front-end technologies helped me create interactive and responsive web pages essential for the user-facing part of my Hotel Management System.

## **Server-Side Scripting & Databases:**

The backend portion of the training covered PHP and MySQL, allowing me to develop and manage data-driven web applications efficiently.

### **1) PHP (Hypertext Preprocessor):**

- Used PHP to process and validate form inputs
- Applied conditional logic and loops to handle various tasks.
- Worked with PHP superglobals (\$\_POST, \$\_GET, \$\_SESSION) to manage user data and sessions.

### **2) MySQL:**

- Learned to create and manage databases with proper structure and relationships.
- Performed SQL operations like INSERT, SELECT, UPDATE, and DELETE.
- Joined multiple tables to fetch related data for display in the application.

### **3) Integration of PHP and MySQL:**

- Connected web forms to the database using PHP.
- Implemented data insertion from user inputs to the database.
- Displayed database records dynamically on webpages.

By combining PHP and MySQL, I developed the backend of my Hotel Management System with features such as login, registration, room booking, and record management.

# Hotel Management System – Project Overview

## Project Title: Hotel Management System

### Objective:

To create a web-based system to manage hotel room bookings, customer records, and admin operations efficiently.

### Key Features:

#### 1. User Registration & Login:

- New users can register, and existing users can log in using credentials stored in the database.
- Implemented session-based login for authentication and role-based access.

#### 2. Room Booking:

- Customers can view available rooms and book them through a form.
- Booking data is saved into the MySQL database and retrieved as needed.

#### 3. Admin Panel:

- Admins can view, add, update, or delete room and customer data.
- Included a dashboard to view current bookings and manage availability.

#### 4. Room Management:

- Each room record includes details like room type, price, status (available/booked), and amenities.

### Technologies Used:

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** PHP
- **Database:** MySQL

### Outcome:

This project taught me how to handle full-stack development, create CRUD functionalities, ensure data flow between frontend and backend, and test a live project from user and admin perspectives.

## **Artificial Intelligence Workshop**

### **Objective:**

As part of the internship, I attended a Free AI Workshop aimed at introducing beginners to modern Artificial Intelligence tools and concepts.

### **Topics Covered:**

- Overview of AI and Machine Learning concepts.
- Use cases of AI in industries such as healthcare, e-commerce, and smart assistants.
- Introduction to Python libraries:
  - **NumPy** for numerical calculations.
  - **Pandas** for structured data handling.
  - **Matplotlib** for basic data visualization.

### **Hands-on Experience:**

- Built a basic classification model to categorize sample data.
- Loaded datasets, cleaned data, and applied simple predictive logic.
- Discussed AI integration into web platforms such as recommendation systems.

### **Significance:**

The AI workshop helped me understand the basics of data analysis and machine learning. It motivated me to explore integrating AI into web projects like hotel recommendation systems or automated booking management.

## **Placement Training and Professional Development**

In addition to technical training, Codebind Technologies provided **placement-focused training sessions** aimed at preparing students for interviews and real-world challenges.

### **Soft Skills Development:**

- Participated in sessions on **spoken English, presentation skills, and team collaboration.**
- Received guidance on body language, workplace communication, and attitude building.

### **Mock Interview Sessions:**

- Practiced answering technical and HR questions.
- Understood how to structure answers and build confidence during interviews.

### **Aptitude & Reasoning Training:**

- Solved questions based on time and work, logical reasoning, puzzles, and basic mathematics.
- Improved speed and accuracy in solving placement exam questions.

### **Resume & Career Building:**

- Drafted a well-structured resume under trainer guidance.
- Learned to highlight skills and project experience relevant to job roles.

This training helped me understand industry expectations, how to present myself, and how to approach job opportunities with confidence and professionalism.

## Conclusion and Reflection

The internship at **Codebind Technologies** was an invaluable experience that strengthened my technical knowledge and professional skills.

### Key Learnings:

- Developed a full-fledged **Hotel Management System** using HTML, CSS, JS, PHP, and MySQL.
- Learned **end-to-end development** from frontend design to backend logic and database interaction.
- Understood how to **validate forms**, manage sessions, and protect user data.
- Gained insights into **Artificial Intelligence**, which broadened my career perspective.
- Received expert advice on **resume writing**, **interview handling**, and **career preparation**.

### Final Thoughts:

I am thankful to my trainer ----- and the entire team at Company name for their patient teaching, hands-on guidance, and mentorship. This internship laid a strong foundation for my journey into web development and software engineering. It also inspired me to pursue further learning in AI and full-stack technologies.



## INTERNSHIP COMPLETION CERTIFICATE:



Intern with Us  
contact@internezy.com  
f @ in

INTERNSHIP COMPLETION CERTIFICATE

Date: 29/06/2025  
Location: Chennai

This is to proudly certify that **Abhishek S** has successfully completed his internship in **Full Stack Web Development** at InternEzy – Intern with Us, from 15th June 2025 to 29th June 2025.

During the internship, Abhishek demonstrated strong technical skills and a solid understanding of both front-end and back-end development. He worked on real-time web projects, contributed to user interface design, and implemented server-side logic using modern development frameworks.

His enthusiasm for learning, collaborative mindset, and commitment to delivering quality work made him a valuable member of the team. Abhishek approached each task with professionalism and problem-solving ability.

We appreciate his dedication and contributions throughout the internship and are confident that this experience will serve as a stepping stone in his future academic and professional journey.

We wish him all the best in his future endeavors.

with regards,



**Ganesan K**  
Founder & CEO  
InternEzy  
Intern with Us  
contact@internezy.com



Recognition



Credentia Partner



Regd : 20021798  
www.internezy.in





# **RAJALAKSHMI ENGINEERING COLLEGE**

Presented by

# TITLE OF THE INTERNSHIP

**REGISTRATION NUMBER :**

**STUDENT NAME :**

**YEAR :**

**COMPANY NAME :**

**COMPANY ADDRESS : ,**

**TRAINER NAME :**

**TRAINER'S CONTACT NO. :**

**INTERNSHIP PERIOD : FROM :27.12.2024 TO: 10.01.2025**

**INTERNSHIP DURATION : 15 Days**



# ABOUT THE TRAINING

Completed internship at \_\_\_\_\_, T. Nagar, Chennai.

- Trainer:

- Duration: [15 days]

- Training Focus:

- Full Stack Web Development** using

- ◆ HTML, CSS, JavaScript
- ◆ PHP (backend scripting)
- ◆ MySQL (database)

- Developed a working project titled "**Hotel Management System**"

- Learned to build responsive, user-friendly, and data-driven web applications.



# ABOUT THE TRAINING (Cont....)

## Additional Learning & Placement Training

- Attended **Free Artificial Intelligence Workshop**
  - Basics of AI & Machine Learning
  - Introduction to Python, NumPy, Pandas
  - Real-world applications of AI
- **Placement Preparation Sessions**
  - Resume building and interview skills
  - Group discussion practice
  - Aptitude and reasoning training
- Improved **technical knowledge, soft skills, and career readiness** through hands-on tasks and guidance



# SKILLS LEARNED

- **Technical Skills Learned**
- **HTML5** – Structured webpages with semantic elements
- **CSS3** – Designed responsive layouts with Flexbox & Grid
- **JavaScript** – Added interactivity and form validations
- **PHP** – Backend scripting, handling form submissions, sessions
- **MySQL** – Database creation, CRUD operations, and integration
- **Full Stack Web Development** – Built complete web applications
- **Project Work** – Developed a functional **Hotel Management System**



# SKILLS LEARNED (Cont....)

## Additional & Soft Skills Learned

- **AI Fundamentals** – Introduction to AI, ML, and Python libraries (NumPy, Pandas)
- **Database Connectivity** – Linking frontend forms with backend database
- **Problem-Solving** – Debugging errors, handling real-time issues
- **Time Management** – Meeting deadlines for project modules
- **Communication Skills** – Improved through placement sessions
- **Resume Writing & Interview Prep** – Learned to present skills effectively
- **Team Collaboration** – Worked on tasks with guidance and peer support





# <<CERTIFICATE SOFTCOPY>>

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