**Project Report**

On

**“INTERNSHIP REPORT”**

is submitted partial fulfilment of the requirement of the

**Master Of Science (Computer Science)**

SUBMITTED BY

**Miss. PALLAVI NARENDRA BHANGRE**

UNDER GUIDANCE OF

**M****S. Zeba Kuwari**

**Department of Computer Science**

**B.N.N. College, Bhiwandi.**

**A.Y. - 2024-2025**

**Mumbai University**

**B.N.N COLLEGE OF ARTS & COMMERCE**

**(Affiliated to University of Mumbai)**

**Bhiwandi, 421302 MAHARASHTRA**



**2024-25**

**CERTIFICATE**

This is certify that the project entitled, " **Software developer Intern** ", is bonafide work of **Pallavi Narendra Bhangare** bearing Seat No. (1292086) submitted in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE in COMPUTER SCIENCE from University Of Mumbai.

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Place:** \_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Internal Mentor External Examiner**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature of HOD**

**DECLERATION**

Pallavi Bhangare declare that this internship report titled Mysql Database Administrator Technology. reflects my internship experience as a Software developer Intern. at KALASH Infotech PVT LTD. The report is an original and authentic piece of work, based on my personal experiences, observations, and knowledge gained during the internship period.

I express my gratitude to KALASH Infotech's management, supervisors, mentors, and colleagues for their support and guidance throughout my internship. I also acknowledge the resources and references used, giving appropriate citations when necessary.

I believe this internship report will provide valuable insights into Software developer intern. and serve as a useful reference for future interns and professionals.

# ACKNOWLEDGEMENT

I would like to express my sincere gratitude and appreciation to all those who have supported me during my internship and the preparation of this internship report.

Firstly, I would like to thank my college teacher, **Ms.Zeba Kuwari**, for their guidance, encouragement, and valuable insights throughout my academic journey. Their expertise and mentorship have played a significant role in shaping my skills and knowledge in the field of Software developer Intern.

I am also grateful to my training CEO Darshn jain, my trainer **Hadi shaikh** at KALASH Infotech, for providing me with the opportunity to intern as an Software developer. in their esteemed organization. Their guidance, support, and trust in my abilities have been instrumental in my professional growth and development.

Furthermore, I extend my thanks to the entire team at KALASH Infotech for their cooperation, collaboration, and valuable feedback during my internship. Working alongside such skilled professionals has been a truly enriching experience, and I am grateful for the knowledge and skills I have gained through their guidance and mentorship.

Lastly, I would like to acknowledge the assistance and support of my colleagues, friends, and family members who have supported me throughout this internship journey. Their encouragement, motivation, and understanding have been invaluable in helping me successfully complete this internship and compile this report.

I would also like to express my appreciation for the resources, references, and materials that have contributed to the content and analysis presented in this report. Any external sources used have been duly acknowledged and cited.

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**Project Title**

**Internship Report on Software Developer Intern**

**DESCRIPTION OF THE ORGANISATION**

KALASH Infotech is a leading global IT services and consulting company. We provide solutions and services across application and technology modernization, cloud enablement, data management, automation, and assurance services. KALASH Infotech is among the most preferred oracle Partners with extensive experience in implementation and management of oracle Fusion Applications and oracle Cloud Infrastructure (OCI). Thrugh a well-defined development, support, and quality framework, we consult enterprises on their transformation roadmap and implement business-critical applications along with the underlying technology infrastructure. With our proven Managed Services model of operations, SLA based delivery, and governance, we deliver the most tangible value for businesses in terms of operational efficiency, cost- effectiveness, intelligent automation, and information security while enabling them to modernize their application and technology landscape information security.

KALASH Infotech has been the most preferred IT services partner for customers ranging from Fortune 500 companies and leading banks based out of India which runs on the most sophisticated and modernized banking technologies. We leverage the latest technology innovation to offer our customers the most apt solutions to help them accelerate their business. Most of our top customer have been working with us for over a decade and rely on our managed services model of delivery to ensure operational seamlessness and excellence.

KALASH Infotech is a leading oracle Partner since the last three decades and has been responsible for some of the most pioneering work on oracle technologies across Applications, Middleware, and Technology Infrastructure. The company is among the very few oracle Partners to have implemented oracle Fusion Applications for customers across industries and for itself. KALASH Infotech is among the most preferred oracle Cloud Infrastructure (OCI) partners having enabled some of the largest conglomerates in India across industries such as BFSI, Hospitality, to modernize their Technology infrastructure by seamlessly migrating to OCI without impacting the business operations.

More than 4500 Cloverites with extensive experience across technologies such as Oracle, Microsoft, and Open Source are empowering customers with their technology expertise and helping them to accelerate business and enhance growth.KALASH Infotech has a strong pan-India presence with state- of-the-art global delivery centers in Mumbai, Navi Mumbai, and Pune. The company caters to North American Markets, specifically the US and Canada, through its office in New York. It serves customers in Europe, Middle East and Africa (EMEA) through its office is Dubai.

Darshan Jain, a serial entrepreneur, is the Founder Chairman and Chief Mentor at KALASH Infotech. He has established a strong presence for the Clover Group in areas such as information technology, transaction systems, and renewable energy. In the year 2000, he spearheaded the open-source revolution in India through a joint venture – Red Hat India with Red Hat Inc. and expanded the company’s footprint across South Asia. Javed is an investor and mentor in various start-ups across Fintech, EdTech, and Artificial Intelligence and Data Analytics.

Approch

KALASH Infotech’s approach is highly valued by transaction- centric industries/businesses such as Banking, Financial Services, Insurance, Payments, Telecom, and Retail. Its dedicated technology practices that focus on Enterprise Applications, Data Analytics, Digital Transformation Initiatives, and Cloud Services to deliver innovative solutions for new-age businesses.

The company’s customers vouch for its agility, responsiveness, and efficiency in execution. In addition to its international operations, the company offers excellent service to bits customers across India through its offices and state-of-the-art delivery centers.

Vision

We believe in delivering tangible results for our customers in a cost-effective manner. We do this thrugh a consultative, solution-based approach wherein we gather in- depth understanding of the customer’s requirements and facilitate customized solutions.

Services

Digital Services Enterprise Applications

Application Development & Maintenance

Cloud Services

Application Services

IT Infrastructure Services

IT Professional Services

IT Management

**APPLICATION DEVELOPMENT & MAINTENANCE**

KALASH Infotech’s Application Delivery team has extensive experience in custom application development and maintenance, especially for Banking, Insurance, and Financial Services (BFSI) companies and is well equipped to understand the business needs of organizations.

Through our adaptive, reusable and easy to deploy solutions, we help our customers to them meet their business needs. Our domain experts and technology consultants work in tandem with our customer’s business users to develop customized applications that match their business model. Our technology consultants bring with them years of experience in a wide variety of software technologies. Our consultants help select appropriate technologies with low TCO and high scalability, enabling our customers to focus on their core competency.

We have dedicated teams for various technologies such as MySql, Php ,Html, Css etc. as well as a team that handles areas such as Business Intelligence and Data Warehousing. Our teams give focused attention and customized application development and maintenance services to every customer.

The process of making a software developer intern typically involves the following steps:

### **1.** **Job Posting and Recruitment**

* **Job Description**: Create a detailed job description outlining the roles, responsibilities, required skills, and qualifications.
* **Advertising**: Post the job on various platforms like company websites, job boards, and university career centers.

### **2.** **Application Process**

* **Resume Screening**: Review resumes to identify candidates with relevant skills and experience.
* **Cover Letters**: Assess cover letters to understand candidates' motivation and fit for the role.

### **3**. **Initial Screening**

* **Phone/Video Interviews**: Conduct initial interviews to gauge candidates' communication skills and basic technical knowledge.

### **4. Technical Assessment**

* **Coding Tests:** Administer coding tests to evaluate candidates' programming skills. This could be done through online platforms like HackerRank, Codility, or LeetCode.
* **Technical Interviews**: Conduct technical interviews to assess problem-solving abilities, understanding of algorithms and data structures, and knowledge of relevant programming languages and tools.

### **5**. **Behavioral Interviews**

* **Soft Skills Assessment**: Evaluate candidates' soft skills, such as teamwork, communication, and adaptability.
* **Cultural Fit**: Determine how well candidates align with the company’s culture and values.

### **6**. **Project-Based Evaluation**

* **Intern Projects**: Provide candidates with a small project or task to complete. This helps assess their practical skills and how they approach real-world problems.

### **7. Final Interviews**

* **Managerial Interviews**: Conduct interviews with potential supervisors or team leads to assess fit and discuss expectations.
* **HR Interviews**: Final interviews with HR to cover any remaining questions and discuss logistical details.

### **8**. **Offer and Onboarding**

* **Offer Letter**: Extend an offer to the selected candidate, including details on role, compensation, duration, and start date.
* **Onboarding Process**: Prepare an onboarding plan to introduce the intern to the company, team, and their role. This includes setting up necessary accounts, providing equipment, and offering training sessions.

### **9.** **Mentorship and Training**

* **Mentorship**: Assign a mentor or buddy to guide the intern throughout their internship.
* **Training Programs**: Provide training sessions to help the intern understand the company's tools, technologies, and workflows.

### **10. Evaluation and Feedback**

* **Regular Check-ins**: Conduct regular check-ins to monitor progress, provide feedback, and address any concerns.
* **Performance Reviews**: Hold formal performance reviews to evaluate the intern’s contributions and growth.

### **11. Post-Internship**

* **Offer Full-Time Position**: If the intern performs well, consider offering them a full-time position after graduation.
* **Feedback and Improvement**: Gather feedback from the intern and team to improve the internship program for future candidates.

**WEBSITE DEVELOPMENT:-**

Website design is an art as well as a science. All your marketing activities depend on your website, as the website is the foundation of your digital presence. We provide Attractive, Optimum, Professional, Responsive, Static/dynamic websites for various sectors like Construction, Tourism, Education, Banking, Photography, E-Commerce, Garments, Event Management, and many more.

In today's world where the internet user community is switching from Desktop and Laptops to Cell Phones and Tabs, we ensure that our websites are accessible on all devices. Our websites are designed to be truly responsive and retina ready.

**SOFTWARE DEVELOPMENT: -**

We have a pre-defined process for Software Development, which involves programming, testing and fixing of detected or identified bugs. A disciplined emulation of the most suited software lifecycle makes software development process completely reliable to formulate a perfect software application for our clients.

As per requirement and purpose, we provide either our existing software solution or customized software solution to our clients which may be Desktop Based Software or Web Based Software or Android iOS Application. We provide software application design & development services along with complete software maintenance services and support to our clients

**GRAPHIC DESIGN**

Logo Design

Brochure Design Pamphlet Design

Social Media Post Design

Letterhead, Business, Card Design, etc

**OBJECTIVES: -**

The major objectives of internships are:

To provide students with opportunity to develop skills in the field of interest.

To assist students in gaining vital work-related experience and building strong resume for bright career.

Develop research skills.

One of the main objectives of an internship is to expose you to a particular job and a profession or industry.

Develop and improve business skills in communication, technology, quantitative reasoning, and teamwork

To get educated about the official habitat.

To get awareness about the various job opportunities.

perceive communicational skills and organizational dynamics.

**PERIOD OF TRAINING: -**

The Internship period was of 8 weeks from 1 April 2024 to 1 June 2024,

**Outcomes of Learning: -**

**1. HTML**

* Basic HTML (Tags, Element, Attributes, Paragraphs, Headings, Line Breaks, Horizontal Rule, Lists, Table, Color Codes, Font, Text Linking, Email, Images, Background, Comments, Meta, Media, Charset)
* Basic concept (WWW & HTTP, HTTPS, Client Server Communication)
* HTML Forms (Input, Text Fields, Password, Checkbox, Combo Box, Radio, Text Areas, Files, Buttons)
* HTML5 features

**2. CSS**

* Basic CSS (selector, internal, external, Inline, Class, Id, Background, font, Text, Padding, Margin, Border, list CSS, hovering and elements)
* Advance CSS (border-radius, opacity, cursor, layers, position, display, float, gradient, and multiple-column)
* Concept of Menus (single menu, dropdown menu)
* Template, design using CSS div.
* Environment Setup
* Grid System
* Typography
* Tables, Forms, Buttons, Images
* Drop down, Button group
* Navigation Element

**3. PHP**

* PHP is an acronym for "PHP: Hypertext Preprocessor"
* PHP is a widely-used, open source scripting language
* PHP scripts are executed on the server
* PHP is free to download and use
* PHP files can contain text, HTML, CSS, JavaScript, and PHP code
* PHP code is executed on the server, and the result is returned to the browser as plain HTML
* PHP files have extension ".php"

**4. MySql**

* MySQL is a widely used relational database management system (RDBMS).
* MySQL is free and open-source.
* MySQL is ideal for both small and large applications**.**
* MySQL is a relational database management system
* MySQL is open-source
* MySQL is free
* MySQL is ideal for both small and large applications
* MySQL is very fast, reliable, scalable, and easy to use
* MySQL is cross-platform
* MySQL is compliant with the ANSI SQL standard
* MySQL was first released in 1995
* MySQL is developed, distributed, and supported by Oracle Corporation

**MY ROLES AND WORK ALLOCATED AS AN INTERN**

**Code Development and Maintenance:**

* Writing, testing, and debugging code.
* Collaborating with senior developers to implement new features or improve existing ones.
* Participating in code reviews.

**Learning and Applying New Technologies:**

* Learning about the tools, frameworks, and languages used by the team.
* Applying best practices in coding and software design.

**Project Support:**

* Assisting with various stages of the software development lifecycle (SDLC).
* Documenting code and processes.
* Supporting the development team with tasks as needed, such as writing scripts or setting up environments.

**Testing and Quality Assurance:**

* Writing and running unit tests.
* Participating in quality assurance processes, including bug fixing and verification.

**Collaboration:**

* Attending team meetings and contributing ideas.
* Working closely with other interns, developers, and possibly cross-functional teams (e.g., QA, UX/UI, Product Management).

**Research and Analysis:**

* Conducting research on new tools, technologies, or methodologies.
* Analyzing requirements and providing input on technical feasibility.

**Learning and Development:**

* Continuously learning and improving coding skills.
* Seeking feedback and guidance from mentors and peers.

**CONCLUSION**

My internship emphasized the impOrtance of prOfessionalism, time management, and cOntinuOus learning. I embraced the principles and demOnstrated a cOmmitment tO grOwing as a develOper by staying updated with new technolOgies and best practices in the field.

Overall Software developer Intern internship equipped me with practical skills, knowledge, and a sOlid fOundation in , paving the way fOr a successful career in web application develOpment.

This internship has been an excellent and rewarding experience. I can conclude that there have been a lot I've learnt from my work at the research centre. The technical aspects of the work I've done are not flawless and could be improved provided enough time. As someone with no prior experience in php whatsoever I believe my time spent in research and discovering new languages was well worth it and contributed to finding an acceptable solution to an important aspect of web design and development. Two main things that I've learned the importance of are time-management skills and self- motivation.

HTML and CSS are one of the best front-end web development languages that can be used for developing various websites and web applications. They are easier and more efficient to use. Once the on- boarding and training phase wraps up, the new staff member should be ready to engage in a rewarding long-lasting career. The full cycle recruiting process can indeed be a gruelling experience for all parties involved. But, will the addition of a new, reliable employee for the firm, it is also a much needed and appreciated part of nurturing a successful business.

Even for owners of small enterprises, for peace of mind in hiring the best candidate for a job, following the steps of the recruitment life cycle is well worth the time and effort and is a proven method of reducing turnovers within a company, saving both time and money in the long run

Appendix-I

Maintain the weekly online diary for each week in the following format.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2nd  WEEK | Day | Date | Name of the Topic/  Module Completed | Remarks |
| MONDAY |  |  |  |
| TUESDAY |  |  |  |
| WEDNESDAY |  |  |  |
| THRUSDAY |  |  |  |
| FRIDAY |  |  |  |
| SATURDAY |  |  |  |
| Signature of the Faculty mentor: \_\_\_\_\_\_\_\_\_\_\_  Seal of the University/College | | | | |

Maintain the weekly online diary for each week in the following format.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3rd  WEEK | Day | Date | Name of the Topic/  Module Completed | Remarks |
| MONDAY |  |  |  |
| TUESDAY |  |  |  |
| WEDNESDAY |  |  |  |
| THRUSDAY |  |  |  |
| FRIDAY |  |  |  |
| SATURDAY |  |  |  |
| Signature of the Faculty mentor: \_\_\_\_\_\_\_\_\_\_\_  Seal of the University/College | | | | |

Maintain the weekly online diary for each week in the following format.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4 th  WEEK | Day | Date | Name of the Topic/  Module Completed | Remarks |
| MONDAY |  |  |  |
| TUESDAY |  |  |  |
| WEDNESDAY |  |  |  |
| THRUSDAY |  |  |  |
| FRIDAY |  |  |  |
| SATURDAY |  |  |  |
| Signature of the Faculty mentor: \_\_\_\_\_\_\_\_\_\_\_  Seal of the University/College | | | | |

Maintain the weekly online diary for each week in the following format.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5th  WEEK | Day | Date | Name of the Topic/  Module Completed | Remarks |
| MONDAY |  |  |  |
| TUESDAY |  |  |  |
| WEDNESDAY |  |  |  |
| THRUSDAY |  |  |  |
| FRIDAY |  |  |  |
| SATURDAY |  |  |  |
| Signature of the Faculty mentor: \_\_\_\_\_\_\_\_\_\_\_  Seal of the University/College | | | | |

Maintain the weekly online diary for each week in the following format.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6th  WEEK | Day | Date | Name of the Topic/  Module Completed | Remarks |
| MONDAY |  |  |  |
| TUESDAY |  |  |  |
| WEDNESDAY |  |  |  |
| THRUSDAY |  |  |  |
| FRIDAY |  |  |  |
| SATURDAY |  |  |  |
| Signature of the Faculty mentor: \_\_\_\_\_\_\_\_\_\_\_  Seal of the University/College | | | | |