INTERNSHIP REPORT

Submitted in the partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Submitted by:
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20BCS6598

AT
HCLTech

Under the Supervision of:
Mr. MAHESH KUMAR C. - GENERAL MANAGER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

APEX INSTITUE OF TECHNOLOGY

CHANDIGARH UNIVERSITY, GHARUAN,
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MONTHLY INTERNISHIP REPORT

A. Internship Contact Information

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Report period (start date)	04/01/2024
Report period (end date)	02/08/2024

B. Distribution of hours:

Orientation ___5_____Observing ___10_____ Meetings (e.g. staffing, working with the team, etc) ___15_____ Lectures, Seminars, Conferences ___5_____ Assessment ___5_____ Planning (activity analysis, goals and objectives, etc) ___15_____ Studying/Researching ___40_____ C. Implementation (in hours which so ever is applicable. Otherwise mention Not Applicable): a. Leadership ___Not Applicable_____ b. Counselling __ Not Applicable _____ c. Supervision ___ Not Applicable _____ d. Evaluation ____ Not Applicable ____ e. Documentation ___20_____ f. Discharge/Transition Plans ____ Not Applicable ____ g. Other (Please specify) ___65_(Data cleaning, coding, report generation, Dashboard building)____ Total clock hours during this report period __180 hours approximately_____

CHAPTER 1: INTRODUCTION

From January 4, 2024, I embarked on my journey as a Tech Associate at HCLTech within the Intel ecosystem. My role involved contributing to various projects aimed at optimizing Intel's technological infrastructure.

One of my notable contributions included collaborating on the development of innovative solutions to enhance data processing efficiency. This involved leveraging cutting-edge technologies to streamline analysis to find gaps and improve overall performance within the Intel ecosystem and other accounts globally.

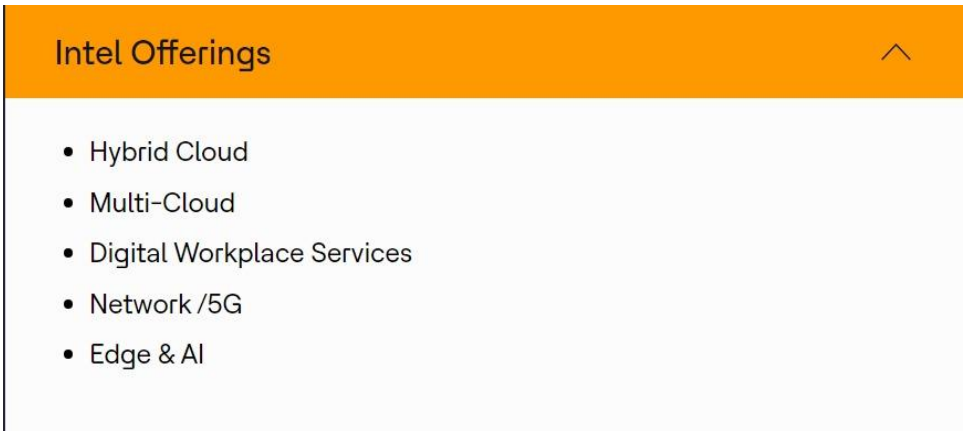
About HCLTech

HCL Technologies is a multinational IT services and consulting company known for its expertise in digital transformation, infrastructure management, and cybersecurity solutions. As a prominent player in the industry, HCLTech collaborates with leading technology partners like Intel to deliver innovative solutions to clients across various sectors. Recent industry trends show a growing demand for cloud computing, artificial intelligence, and cybersecurity solutions, areas in which HCLTech and Intel continue to innovate and excel.

About Intel-EBU

CloudSMART for Intel is HCLTech's continuous modernization experience to help enterprise accelerate their cloud business transformation journey. HCLTech's Intel ecosystem will help build focused, innovative and industry-tailored solutions for Intel clients.

The main goal is to develop a solution having Intel value adds to achieve to optimize various running workloads.



HCLTech's Intel Ecosystem Business Unit focuses on creating solutions that leverage Intel's technology and services for HCLTech's global clients. This unit aims to develop innovative offerings that address specific client needs and incorporate Intel's value propositions. By combining HCLTech's expertise in system integration and IT services with Intel's cutting-edge technologies, this unit helps clients achieve their business goals.

CHAPTER 2: JOB DESCRIPTION

As a **Tech Associate** at HCL Technologies, I play a pivotal role in the Intel Ecosystem Business Unit, where our focus is on developing innovative solutions that leverage Intel's technologies to drive business value for our global clientele. Reporting to **Mr. Mahesh Kumar C**, the role encompasses a diverse set of responsibilities aimed at delivering cutting-edge solutions and exceptional client experiences.

Key Responsibilities

1) **Solution Development**
    a) Collaborate with cross-functional teams to understand client requirements and design tailored solutions that integrate Intel's value adds.
    b) Utilize the Intel technologies to enhance solution performance, security, and scalability.
    c) Conduct thorough analysis and testing to ensure the efficacy and reliability of developed solutions.
2) **Client Engagement**
    a) Act as a primary point of contact for clients, providing expert guidance on solution capabilities and value propositions.
    b) Participate in client meetings and presentations to demonstrate the benefits of Intel-powered solutions and address any queries or concerns.
3) **Project Management**
    a) Manage end-to-end project lifecycles, from requirement gathering and solution design to implementation and post-deployment support.
    b) Coordinate with internal teams and stakeholders to ensure timely delivery of projects within scope and budget constraints.
4) **Technical Expertise**
    a) Stay abreast of the latest developments in Intel technologies and industry trends to continuously enhance solution offerings.
    b) Provide technical guidance and mentorship to junior team members, fostering a culture of learning and innovation.

INTERNSHIP TIMELINE	4th Jan 2024 – 02nd August 2024
DAILY WORK HOURS	8hrs/day

DAILY TASKS

1) **Solution Design and Development**

a) Analyze previous marketing collaterals and conduct research to refine and enhance developed solutions.
b) Incorporate insights from research and analysis into solution design and development processes.
c) Implement solution components based on identified improvements and enhancements.

2) **Client Interaction and Communication**
   a) Reach out to clients for pre-sales tasks, including gathering requirements and presenting solution offerings.
   b) Maintain regular communication with clients to provide updates on solution development progress and address queries or concerns.
   c) Act as a liaison between clients and internal teams to ensure alignment of project objectives and client expectations.
3) **Intel Partner University Courses**
   a) Completion **Intel Granulate** and **Intel Trust Authority** courses from Intel Partner University.
   b) Apply knowledge gained from courses to inform solution design and development processes, leveraging Intel technologies effectively.
4) **Documentation and Reporting**
   a) Maintain documentation of research findings, analysis reports, and solution design specifications.
   b) Prepare reports and presentations summarizing key findings and recommendations for internal stakeholders and client review.
5) **Collaboration and Knowledge Sharing**
   a) Collaborate with cross-functional teams to incorporate insights from research and analysis into solution development.
   b) Share knowledge and insights gained from Intel Partner University courses with team members to enhance collective understanding and expertise.

CHAPTER 3: Key Learnings

- **Understanding Intel's ecosystem: Insight** into Intel's partnerships, products, and technologies.
- **Collaborative teamwork**: Effective collaboration with diverse teams from HCL and Intel.
- **Technical skills enhancement**: Acquired proficiency in Intel products, solutions, and platforms.
- **Problem-solving and analytical thinking**: This involves the ability to identify issues, analyze them, and develop effective solutions. Strengthening these skills means becoming more efficient at tackling real-world challenges by breaking them down into manageable parts and applying logical thinking to solve them.
- **Adaptability and flexibility**: This refers to the capability to adjust to changing circumstances and requirements. Successfully adapting to dynamic project requirements means being open to change, quickly learning new methods or technologies, and being able to pivot strategies when necessary.
- **Effective communication: This** involves improving the ability to convey ideas clearly and persuasively to different stakeholders. Strengthening communication skills means being able to articulate complex concepts in a simple manner, actively listening to others, and tailoring communication styles to different audiences.
- **Project management**: This includes skills related to planning, executing, and monitoring projects to ensure they are completed successfully. Hands-on experience in project management means being able to create detailed project plans, coordinate resources, track progress, identify and mitigate risks, and deliver results on time and within budget.
- **Business acumen and customer focus**: Understanding business needs and aligning solutions with customer expectations involves more than just technical skills. It means having a deep understanding of the market, the industry, and the customer's pain points, and then crafting solutions that address those needs while also aligning with the company's goals.

By focusing on and strengthening these areas, one becomes better equipped to handle the challenges and demands of the professional world, ultimately leading to more successful outcomes in various endeavors.

CHAPTER 3: Project Discussion

Objectives Of Project:

The main objectives of the project were to develop and manage a solution for collaboration between Dell, Intel, and SAP, focusing on enhancing interoperability, performance, and efficiency. This involved understanding the needs of the stakeholders, defining the scope of the solution, and overseeing its development and implementation.

How the Objectives were Achieved

- Stakeholder Engagement: Engaged with stakeholders from Dell, Intel, and SAP to gather requirements, understand their expectations, and align objectives.
- Market Analysis: Conducted market analysis to identify trends, competitors, and opportunities in the collaboration space.
- Scope Definition: Defined the scope of the solution, including features, functionalities, and integration points with Dell, Intel, and SAP products.
- Product Development: Worked closely with cross-functional teams to develop the solution, prioritizing features and managing the product backlog.
- Testing and Quality Assurance: Conducted thorough testing to ensure the solution met quality standards and performance requirements.
- Launch and Deployment: Managed the launch of the solution, coordinating with marketing, sales, and support teams to ensure a smooth rollout.
- Monitoring and Feedback: Monitored the performance of the solution post-launch, gathering feedback from users and stakeholders for continuous improvement.

Skills Learned During the Internship

During the internship, I acquired both scientific and professional skills, including:

- Product Management: Learned how to develop, launch, and manage a product from ideation to execution.
- Stakeholder Management: Developed skills in engaging and managing stakeholders with diverse interests and priorities.
- Market Analysis: Gained insights into market analysis techniques, including competitive analysis and trend identification.
- Technical Knowledge: Learned about the technical aspects of product development and integration, including APIs and interoperability.
- Communication: Enhanced communication skills through regular updates, presentations, and documentation.

Results/Observations

Throughout the internship, several key results, observations, and work experiences were noted:

- Improved Collaboration: Enhanced collaboration between Intel and ISV partners, resulting in stronger relationships and increased mutual benefit.
- Enhanced Solutions: ISV solutions were improved with Intel's technology, leading to better performance, security, and efficiency.
- Market Expansion: Intel's presence in the ISV ecosystem expanded, attracting new partners and customers.
- Positive Feedback: Received positive feedback from ISV partners on the value-added services provided by Intel.
- Professional Growth: Experienced significant professional growth through exposure to real-world business challenges and opportunities.

Challenges Experienced

- **Managing Stakeholder Expectations**: Balancing the priorities and expectations of stakeholders from different companies was challenging.
- **Technical Complexity**: Integrating products from Dell, Intel, and SAP posed technical challenges, requiring deep understanding and collaboration.
- **Timeline Pressures**: Meeting deadlines while ensuring quality and alignment with stakeholder requirements was a constant challenge.
- **Communication Barriers**: Communicating effectively with cross-functional teams and stakeholders with different backgrounds and expertise levels required clear and concise communication strategies.
- **Adapting to Change**: Adapting to changes in requirements and market dynamics required flexibility and agility in planning and execution.

CHAPTER 3: Conclusion

In conclusion, my internship experience in product management for the collaboration solution involving Dell, Intel, and SAP has been incredibly rewarding and insightful. Through careful planning, stakeholder engagement, and execution, we successfully developed and managed a solution that addressed the needs of all parties involved.

Throughout this internship, I acquired a diverse set of skills in product management, stakeholder management, market analysis, technical knowledge, communication, and project management. These skills are invaluable and will serve me well in my future career endeavors.

The results and observations from this internship were overwhelmingly positive. We achieved successful collaboration between industry-leading companies, enhanced interoperability between products, received positive feedback from customers and stakeholders, and experienced significant professional growth.

However, the internship also presented challenges, including managing stakeholder expectations, navigating technical complexities, meeting tight deadlines, overcoming communication barriers, and adapting to changes in requirements and market dynamics.

Overall, this internship provided me with a unique opportunity to work on a complex and impactful project, collaborate with industry leaders, and grow both personally and professionally. I am grateful for the experience and look forward to applying the knowledge and skills gained to future endeavors in product management and beyond.

CHAPTER 3: References

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