AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)
FACULTY OF SCIENCE & TECHNOLOGY

INTERNSHIP AFFILIATION REPORT ON
Web Developer at Kreatech

An Internship Report Presented to the

OFFICE OF PLACEMENT and

DEPARTMENT OF COMPUTER SCIENCE

In Partial Fulfillment of the Requirements for the Degree

Bachelor of Science in Computer Science and Engineering

(CSE*)*

Supervised By

MD. MANIRUL ISLAM

Associate Professor & Director, ICE & IT (Network Operations),

Computer Science

American International University Bangladesh

Submitted By

Athoy Kanti Ray, 20-43259-1

2023-2024, Summer

Date of Submission: **September 22, 2024**

LETTER OF SUBMITTAL
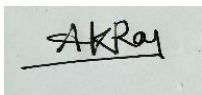
September 15, 2024
MD. MANIRUL ISLAM
Associate Professor & Director, ICE & IT (Network Operations), Computer Science
American International University-Bangladesh

Subject: **Internship Affiliation Report at Kreatech as a Web Developer.**

Dear sir,

I hope this letter finds you in good health. I am pleased to submit my extensive internship report at Kreatech as a Web Developer. This report represents the culmination of my internship experience under the guidance of my industry supervisor in the particular department. I am grateful for the guidance and support my supervisor and the entire team provided. This internship exposed me to cutting-edge technologies and fostered my growth in the telecommunication industry as wellas the software industry. In this internship period, I had earned the capability to collaborate with a large group of people, and I got to know several well-known professionals in this industry sector. I worked mostly with my teammates on making company reports, helping them with documentation on new projects, and also helping them as both frontend, and backend developer. I got the chance to learn plenty of new things in the developing sector which will help me in my upcoming career. In conclusion, my internship at Kreatech has been a huge asset in improving my expertise to build a successful career. Besides you will be pleased to hear that now I am a full-time employee in this company and learning essential as well as advanced technology fora better future.

Sincerely,

Athoy Kanti Ray
ID: 20-43259-1
Computer Science and Engineering
American International University-Bangladesh

LETTER OF ENDORSEMENT

The Internship Affiliation Report entitled "Web Developer Intern at **Kreatech**", has been submitted to the Office of Placement and Department of Computer Science in partial fulfillment of the requirements for the degree of **Bachelor of Science in Computer Science & Engineering** by **Athoy Kanti Ray & 20-43259-1**. This report is presented to the Internship Defense Committee for evaluation and has been accepted.
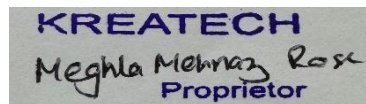
Meghla Mehnaz Rose
Internship Supervisor (industry)
CEO
Kreatech

MD. MANIRUL ISLAM	Tanvir Ahmed
Internship Supervisor (academic)	Internship External (academic)
Associate Professor & Director, ICE & IT	Assistant Professor, Computer Science
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Dr. Md. Abdullah Al Jubair
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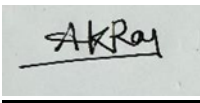American International University- Bangladesh

ACKNOWLEDGEMENT

Firstly, I would like to thank The Almighty for giving me an opportunity to take the first step of my career. It has been a great step that has led me to accomplish my internship report on time. I would like to thank my department, **Faculty of Science & Technology** for considering internship as a part of an open credited system in the curriculum for undergraduate students.

I appreciate **the Office of Placement & Alumni** for allowing to choose my own interested organization for the completion of my internship. This helped me to explore the taste of an industrial organization of the field of my interest.

I feel privileged to be trained as a **Web Developer at the Kreatech** under the supervision of the company's director, **Meghla Mehnaz Rose**. I thank him for granting me an opportunity and also for the support and hospitality he provided. I would also like to thank one of the developers of the company, **Kazi Humaira Haque** for helping me proceed with the new tasks that was been assigned and also providing me instructions that are needed in the absence of my supervisor.

Lastly, I would like to thank **MD. Manirul Islam**, Associate Professor & Director, ICE & IT (Network Operations), Computer Science for his support despite his busy schedule and giving an opportunity to take part in this internship program. It was a great experience to work at an industrial organization and also grabbing an opportunity to work on two international projects. Moreover, my heartfelt thanks to everyone at my company for helping me prepare an internship report with assisting me in collecting all the necessity documents that were needed to attach with this report.

Sincerely,
Athoy Kanti Ray

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1. INTRODUCTION

1.1 Rational

An internship marks the beginning of a person's career and holds profound significance in shaping one's future [1]. Throughout this internship period, I have not only acquired valuable knowledge but also witnessed personal growth. Internships play a pivotal role in shaping and advancing one's career, providing a unique opportunity for individuals to bridge the gap between academic learning and practical, real-world application.

Internships offer a platform to apply theoretical knowledge gained during academic studies in a real-world setting. This hands-on experience enhances the understanding of concepts learned in the classroom, fostering a deeper and more practical comprehension of one's field of study. Internships allow for the development and refinement of essential skills. Communication, teamwork, problem-solving, time management, and adaptability are examples of these skills. Interns benefit from real-world challenges because they gain technical and soft skills that are essential for success in any professional setting.

Internships offer mentorship from seasoned professionals within the organization. Learning from experienced professionals in the field can provide valuable guidance, advice, and insights into industry nuances, accelerating professional growth.

Completing internships enhances an individual's employability by providing evidence of practical skills and a commitment to continuous learning. Internships often serve as a stepping stone to full-time employment, with many organizations choosing to hire interns who have already demonstrated their capabilities and fit within the company culture.

As I embark on my future career, I understand the importance of applying to diverse businesses and organizations, each with its own specialization. This report will play a pivotal role in presenting my skills and personality to potential employers, enabling them to determine if I am the right fit for a particular role.

Undoubtedly, this document holds significant importance as it provides insight into my capabilities, guiding potential employers in assessing my suitability for various career opportunities.

1.2 Background

Kreatech was founded in 2022 as KREATECH Canada, their journey has been driven by a commitment to excellence in the IT sector. In 2023, we kickstarted our branch in Bangladesh as Kreatech, an emerging software firm based in Bangladesh, dedicated to delivering cutting-edge software solutions on a global scale.. The CEO of the company, Meghla Mehnaz Rose brought in the idea of starting the company by first developing websites later expanding it to digital marketing and developing mobile applications. Therefore, the company can now be introduced as a software development company that outsource web development and mobile app development services along with providing digital marketing services. [2]

1.1 Figure: Kreatech Logo

At Kreatech, there not typical tech company. Their driven by a passionate team of young, dynamic professionals who are committed to transforming your tech dreams into vibrant, real- world solutions. It's fresh perspective and unwavering dedication to innovation. . Kreatech provides services like Digital Marketing, SEO, Website Development and Mobile Application, UX design and research, ERP Development.

Kreatech's core value surrounds greater quality and effective after sale service. Their believe is to emphasize on providing best kind of services through their positive, creative and well-trained employees.

The company is well known for the services listed below:

- Digital Marketing
- Website Development
- Mobile Applications
- SEO
- Mobile App testing
- App Development

1.2.1 Mission & Vision

Mission: Dedicated to excellence, we assure superior service by leveraging cutting-edge technology for our domestic and international partners. Unwavering commitment to quality fuels our relentless pursuit of high-caliber products and solutions. Through strategic alliances, efficient distribution, and an empowered workforce, we consistently deliver unparalleled value to meet evolving needs.

Vision: Extending across the nation, our presence resonates with an unmistakable mark of excellence. Each outreach embodies a unique commitment to surpassing standards, ensuring that the touch of our endeavors leaves an indelible impression of quality and distinction.

1.3 Objectives

We have been granted the invaluable opportunity to intern with esteemed companies or institutions, enabling us to glimpse our future and acquire valuable learning experiences. This report serves the following purposes:

- ❖ Sharing our internship journey and experiences.
- ❖ Providing a credible record of knowledge gained for our university and future endeavors.
- ❖ Presenting an evaluative account of our actions during this internship.
- ❖ Officially demonstrating our capability to contribute effectively in the teaching field.
- ❖ Offering evidence of our competence and dedication in fulfilling responsibilities.

This report is designed as part of my completion of internship where I have summarized my 3 months training experience at Kreatech as a Web Developer. This program helped me to acquire a professional experience in the field of Web Development and expecting to work at my preferred organization as a Web Developer. I have seen how we are functioned to deal with clients and resolve their issues or any problem using technologies. I was been instructed on analyzing client's demand, implementing them and meet deadlines to a certain extent.

2. ACTIVITIES

This section meticulously outlines the core tasks, emphasizing detailed coverage. Activity schedules, vital for timely task completion, strategically allocate the intern's workload, ensuring the internship program unfolds seamlessly within the designated timeframe.

2.1 Work Related

In my capacity as a dedicated team member at Kreatech, my primary focus revolved around immersing myself in the intricacies of the organization's system architecture and operational processes. Welcomed by the HR team, I was seamlessly introduced to my colleagues, each with their distinct roles and responsibilities. Under the guidance of my supportive supervisor, who played a pivotal role in task assignments and oversight, I embarked on a journey to contribute meaningfully to the Web developer. Within this multifaceted role, I meticulously documented processes and procedures, employing industry-standard methodologies and tools to enhance operational clarity and efficiency. A cornerstone of my approach was the cultivation of strong working relationships, where I actively engaged in issue resolution and promoted the team's capabilities. Taking the lead in non-conformance investigations and root cause analyses, I demonstrated a keen analytical acumen in implementing corrective and preventive measures. My commitment to day-to-day operations extended beyond routine tasks, as I prioritized efficiency and fostered seamless collaboration among team members. Managing supplier development efforts, I utilized engineering design to elevate the overall system quality, while also contributing to the enhancement of existing systems through creative updates and innovative solutions. As a dependable resource for web development, I played a vital role in resolving challenges and offering guidance, particularly in materials and finishes management. Implementing strategic swaps to address performance issues and reduce corrosion underscored my practical understanding of materials science. Identifying methodologies to shorten cycle times and achieve target margins showcased my dedication to process optimization. In addition to these technical responsibilities, I took on the role of preparing comprehensive reports for various departments, collaborating closely with team leads. This holistic understanding of the organization's structure and operations highlighted the dynamic nature of my role, requiring a blend of technical proficiency, problem-solving acumen, collaboration skills, and a strategic mindset—all of which were instrumental in the team's success and the organization's overall effectiveness.
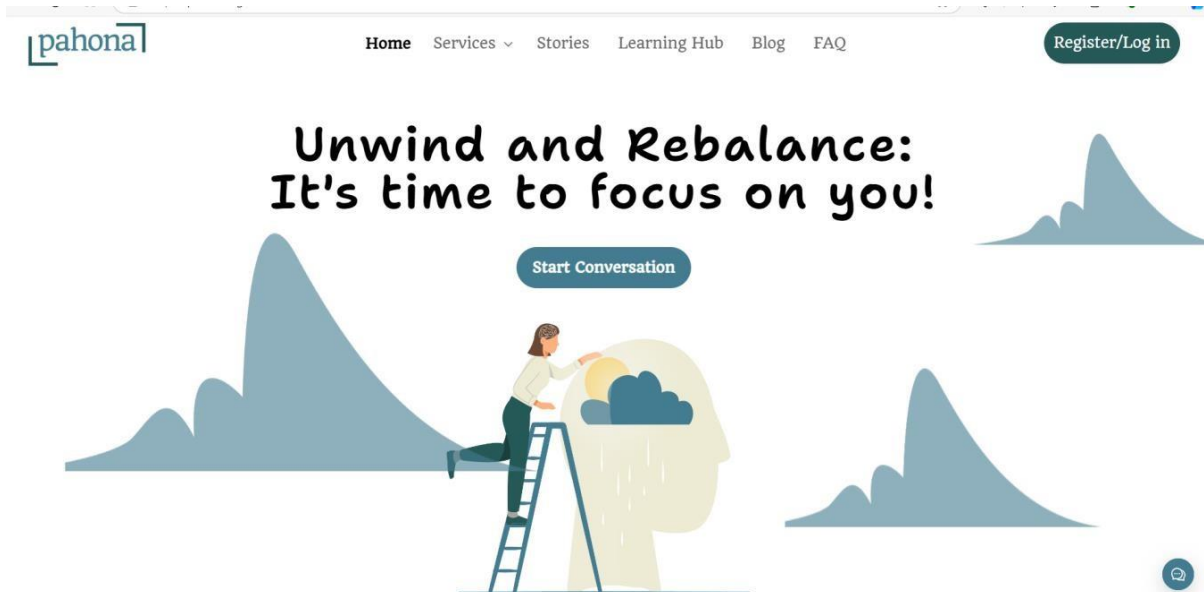
1.2 Figure: A Mental Health Care related (ERP Website)

Below are the images I have added in services to the live projects I have worked during my internship:
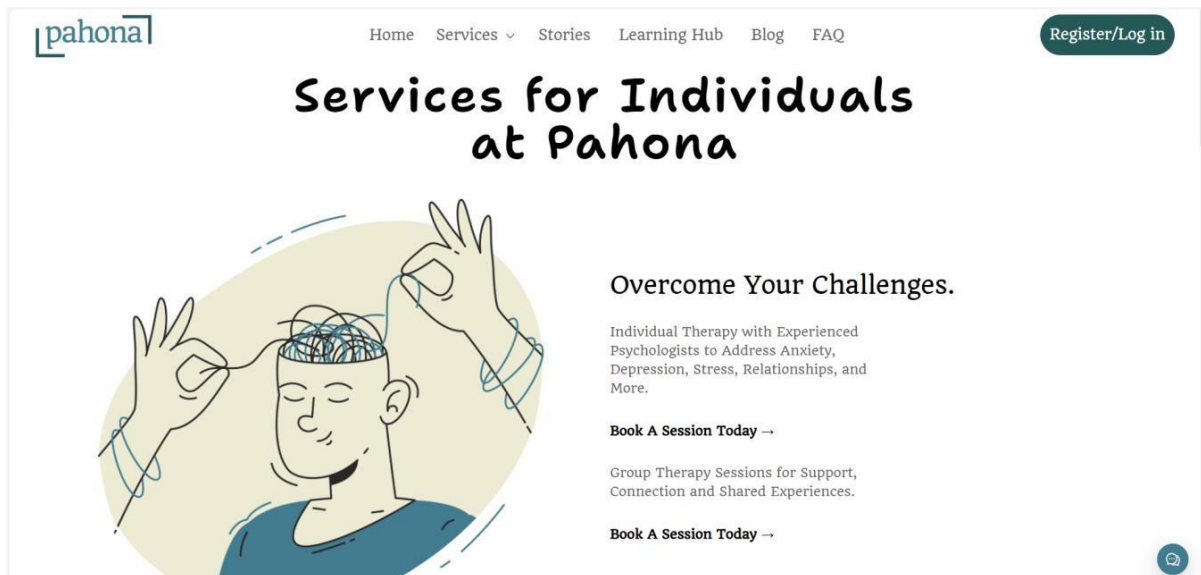
1.3 Figure: Services For Individual

1.4 Figure: Services For Organization
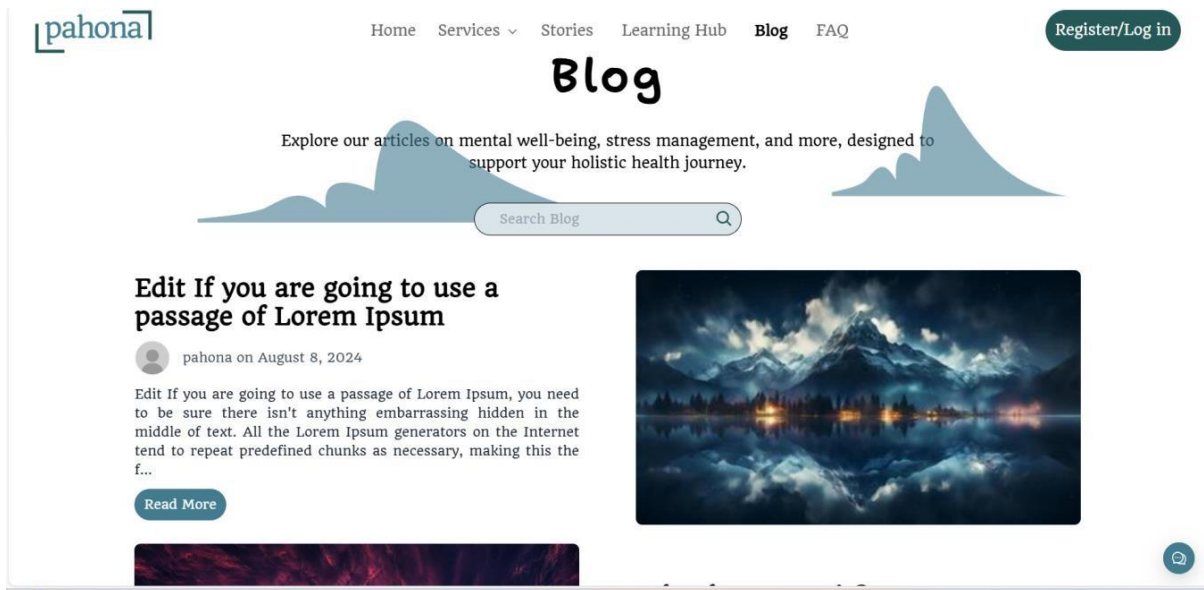
1.5 Figure: Blog

1.6 Figure: Learning Hub

2.2 Organization-Wide

Embracing the diverse array of tasks entrusted to me by my dedicated team at Kreatech, I recognized the paramount importance of adhering meticulously to the established norms and regulations governing our workplace. Kreatech, as an organization, has set forth a comprehensive framework that outlines the expected conduct for all employees. Any deviation from these regulations necessitates a thoughtful explanation from the employees, underlining the seriousness with which compliance is regarded. Gratitude fills my heart as I reflect on my journey within this esteemed organization. The sense of pride in being a part of such a collective endeavor is profound. Recognizing the need for a structured work environment, Kreatech has implemented rules and regulations that may appear stringent to some, especially for someone like me navigating their initial foray into the professional world. Adapting to these office dynamics required a period of adjustment, but the commitment to maintaining productivity was evident. I extend my sincere thanks to my superiors and supervisor, who, despite their demanding schedules, offered invaluable assistance in navigating the intricacies of my official tasks. Their support became a cornerstone in my professional growth, fostering a collaborative and supportive atmosphere. Within Kreatech, various departments harmoniously function, each contributing to the organization's overarching goals.. I am proud to have been a part of this crucial department, where innovation and precision intersect. The interconnected nature of these departments emphasizes their collective importance, with the billing and development team being the linchpin for system development. An open-door policy, a distinctive characteristic of Kreatech's work

culture, serves as a conduit for effective communication and collaboration across all levels of the organization. This approach fosters an environment where individuals feel encouraged to share ideas, seek guidance, and contribute to the collective success of the organization.

2.3 Other Relevant Activities

My tenure at Kreatech was marked by a commitment to excellence that transcended the confines of regular office hours. There were occasions when the demands of specific tasks required me to extend my efforts beyond the conventional workday, often delving into projects from the comfort of my home. In the pursuit of task completion, self-study became an integral part of my routine, a practice I embraced both at home and within the workplace. This period of extended commitment became a crucible for personal and professional growth, providing me with the opportunity to acquire new skills and knowledge. Notably, I honed my ability to establish meaningful professional connections, recognizing the value of networking in a dynamic work environment. This multifaceted approach to self-improvement not only expanded my skill set but also underscored my dedication to contributing effectively to the organization. Maintaining a professional dress code became more than a formality; it evolved into a personal ritual that fueled my self-motivation and instilled a sense of accomplishment. The realization that a polished appearance significantly impacts one's mindset and work ethic prompted me to adhere to this practice consistently. In my interactions with supervisors and colleagues, I prioritized the cultivation of positive relationships. Striving to exceed expectations, I approached challenges with a learning mindset, leveraging each mistake as an opportunity for personal and professional development. Communication, support, networking, and customer care became integral facets of my responsibilities, reflecting a commitment to holistic and impactful contributions to the team. As I navigated the dual realms of professional and personal development, my journey at Kreatech became a testament to resilience, continuous learning, and a proactive approach to fostering a thriving work environment. Embracing challenges as stepping stones to growth, I emerged from this period not only with enhanced skills but also with a deepened understanding of the importance of dedication, adaptability, and building meaningful connections in the professional landscape.

2.3.1 Communications

Effective communication was a cornerstone of my job, playing a crucial role in its success. I actively participated in team meetings, where I shared my analysis findings and provided updates on project progress. Moreover, I collaborated with colleagues via emails and instant messaging platforms to

exchange ideas, gather feedback, and disseminate pertinent information. This emphasis on clear and efficient communication cultivated a unified work environment, ensuring that everyone remained well-informed and aligned in their efforts

2.3.2 Time Maintenance

The official working hours at the organization were from 9:30 a.m. to 5:30 p.m. Nevertheless, being punctual was crucial in this environment. Whether it was completing tasks, arriving on time, or taking lunch breaks, everyone was expected to be highly conscious of time. The organization strictly adhered to a policy where delays of more than half an hour were not allowed.

3. CONSTRAINTS/CHALLENGES

Challenges surfaced and pinpointed throughout the internship tenure with the organization, warranting thoughtful resolution and analysis.

3.1 Identified/Observed in the Organization

Embarking on a new professional journey can be intimidating, particularly for newcomers. The initial two weeks at my job brought forth challenges and a sense of apprehension about navigating the corporate landscape. Despite these initial concerns, I discovered that my fears were unwarranted. The unwavering support and guidance from my supervisor and seasoned colleagues proved instrumental in bolstering my self-confidence. Their detailed insights into assignments and transparent success criteria eased my transition. With each passing day, my growing belief in my abilities transformed those initial anxieties into a solid foundation for navigating and excelling in the corporate realm. Kreatech is renowned for its comprehensive range of telecommunications services, including cloud system development, web design and data center. They are known for their commitment to delivering high-quality solutions and ensuring customer satisfaction. With expertise in various domains and a focus on innovation, they consistently deliver projects on time and maintain strong client relationships. This experience provided me with valuable insights into the company's operations and work processes. During my tenure, I encountered several noteworthy challenges that require attention and improvement to enhance overall efficiency and effectiveness within the organization. The following are the identified and observed challenges.

❖ **Lack of Cross-Departmental Understanding:** The organization appeared to have a limited grasp of the distinct roles and responsibilities within each department, resulting in potential overlaps or gaps in work processes. To address this issue, conducting cross-departmental training sessions and workshops would foster a deeper understanding of one another's functions, fostering improved synergy and teamwork.

❖ **Coping with Technological Advancements:** The dynamic development sector continually introduces novel technologies, posing a challenge for Kreatech to stay abreast of these advancements while ensuring their team possesses up-to-date and relevant skills and knowledge. To tackle this challenge effectively, implementing regular training sessions and workshops for continuous professional development would prove advantageous.

- ❖ **Client Requirement Gathering:** Precisely eliciting and comprehending client requirements holds utmost importance in delivering successful IT solutions. During my tenure, I witnessed cases where unclear requirements resulted in project revisions and timeline delays. To address this issue, implementing more systematic requirements-gathering techniques and engaging clients throughout the development process would be advantageous to ensure better alignment.
- ❖ **Effective Workload Management:** Certain team members encountered challenges in managing their workload efficiently, resulting in possible burnout and reduced productivity. To alleviate this concern, incorporating workload management tools and fostering a supportive work-life balance can serve as effective measures.

3.2 Academic Preparation

At Kreatech, I worked in an environment where there was a clear harmony—as well as occasional discord—between my educational background and the tasks that I was given. My education, which is based on software engineering and focused on web development, web design, and business processes, frequently experienced moments of convergence and divergence with the organization's operational functions. Instead of being a problem, the mismatch turned out to be a driving force for both professional and personal development. These experiences—both in line and out of line with my academic focus—were crucial in helping me become more adaptive. The variety of activities broadened my skill set and turned gaps into chances to learn new skills. As I look forward, I see how my academic knowledge will always be relevant. Based on the concepts of software engineering, it offers a framework for addressing various operational tasks inside the company in addition to a contextual understanding. The principles act as a lighthouse, helping me to navigate the complexities of duties and make a significant contribution. My academic background serves as a bridge in multidisciplinary collaboration, promoting efficient communication and cooperation between various sectors. My comprehension of fundamental software engineering principles resonates with Kreatech's strategic decision-making processes, guaranteeing that my contributions smoothly mesh with the goals of the company. My academic background's versatility becomes a useful tool as I look forward to roles inside Kreatech. My schooling has equipped me with interdisciplinary abilities that enable me to perform a wide range of organizational functions efficiently, even outside of my current responsibilities. The comprehensive method of software engineering gives me the tools I need to handle complex problems and add to the ever-changing environment of the company.

3.3 Personal/Professional Skills

My internship at Kreatech gave me the chance to assess and develop a variety of professional and personal abilities. This evaluation sheds light on the abilities needed for the position, areas in need of development, and areas where mastery could be increased:

3.3.1 Skills Demonstrated:

1. **Adaptability:**
   - I show flexibility by effectively handling assignments outside my direct academic area, showing readiness to pick up new skills and contributing to various initiatives.

2. **Communication:**
   - I participated in client meetings, effectively interacted with team members, and clearly presented ideas, all of which promoted a transparent and cooperative work atmosphere.

3. **Problem Solving:**
   - Proven ability to solve problems by addressing obstacles that arose throughout project assignments and producing workable solutions to improve project outcomes.

4. **Team Collaboration:**
   - Easily integrated into teamwork, actively participating in conversations, exchanging ideas, and fostering a constructive and productive team environment.

5. **Technical Proficiency:**
   - I made use of technical expertise in digital marketing, online development, and web design, balancing theoretical understanding with real-world application to fulfill project specifications.

3.3.2 Skills Needing Improvement:

1. **Time Management:** Recognized areas for time management development, especially in managing short project deadlines. This experience made clear how important it is to prioritize and complete tasks more efficiently.

2. **Client Interaction:** Acknowledged the need for more improvement in client engagement abilities, particularly in interpreting complex client requirements and guaranteeing effective communication throughout the project.

3. **Strategic Planning:** Acknowledged the possibility for strategic planning to advance, comprehending the wider influence of choices on project results and coordinating them with organizational objectives.

3.3.3 Skills to Develop:

1. **Leadership:** Aspired to hone leadership abilities to lead team efforts, assume larger responsibility, and influence the overall strategic direction of projects.
2. **Project Management:** Determined that further knowledge in project management was required, including topics like resource allocation, risk assessment, and thorough project evaluation.
3. **Innovative Thinking:** Looked to encourage creative problem-solving by looking for chances to suggest and carry out original solutions that defy accepted wisdom when faced with project obstacles.

This skills assessment offers a thorough understanding of the areas that need work, the abilities that need to be actively developed, and the strengths that were displayed throughout the job.

4. ACQUIRED KNOWLEDGE

Gained invaluable lessons, knowledge, skills, behaviors, and practices through my enriching experiences in the role.

4.1 Consequences to Organization

I really enjoying my time at Kreatech. Right from the start of the internship program, I was excited and optimistic about how it would shape my future career and academic life. I put in my best effort to include all the important details in my internship report. Throughout my internship, I learned how to be professional from my team colleagues and had the opportunity to interact with different people. I had various tasks assigned to me, such as designing a brochure, creating documents for the system unit, and implementing secure routing. I completed most of these tasks on time, which made me feel satisfied and motivated. My team members were supportive and knew how to guide me in the right direction. I hope my work has contributed to the success of Kreatech. During this time, I also learned time management, handling professional pressure, and how to communicate effectively with different people. The company provided a pleasant working environment, and my superiors were always there to assist and support me. They pointed out my mistakes and helped me correct them. Other team members were also very helpful, and I enjoyed learning from them. I put in my best efforts to fulfill my tasks. I tried to get to know my team members well and quickly understand and complete my assigned tasks. With the guidance of my supervisor, I learned to use different software tools, collaborate with team members, identify and fix any mistakes I made, and ultimately complete my assignments on time. I was happy to contribute to the team's goals and objectives.

4.2 Implications to University's Internship Program

Deep gratitude extends to the Faculty of Science and Technology at American International University-Bangladesh for seamlessly integrating internships into our bachelor's program, a pivotal aspect of our curriculum. The mandatory internship, orchestrated by the Computer Science and Engineering department, not only earned me credits but also facilitated a Bachelor of Science in Computer Science & Engineering.

Navigating diverse challenges during my internship journey, I garnered practical experience, honing a new skill set crucial for the professional landscape. This unique internship approach, distinct from other Bangladeshi universities, bridges the gap between academia and industry, preparing students for post-graduation endeavors.

While acknowledging the myriad benefits, I envision room for enhancement. Introducing flexibility could amplify the institution's impact by providing students exposure to industry events and employment-focused topics. My sincere appreciation extends to the Office of Placement and Alumni for empowering me to select a prestigious organization for my internship.

In essence, the Faculty of Science and Technology has not only enriched our academic journey but has also positioned us for success beyond graduation. This holistic approach, coupled with a commitment to continuous improvement, sets our university experience apart, fostering a bridge between classroom knowledge and real-world application.

4.3 Effects on Personal/Professional Skills

The program has provided me with valuable lessons and practical experience as a software intern. I am content with the opportunities it has offered me for practical learning.

4.3.1. Time Management

Every morning, before starting work, it is mandatory for employees to register their attendance using a fingerprint or face scan system. It is a policy that all employees must follow, so I made sure to wake up early and arrive at the office before 9:30 a.m.

4.3.2. Attire

During my time at the company, I have acquired the knowledge of dressing professionally, which is an integral part of the company's culture.

4.3.3. Soft Skills

To complete my internship at Kreatech, I had to enhance various soft skills, including –

Mastering the art of impactful communication, solving complex problems with finesse, and embracing adaptability are the cornerstones of my skill set. My work ethic, rooted in integrity, fuels my strategic planning, analytical prowess, and creative thinking. This unique blend defines my professional essence, making me a dynamic force in any setting.

4.3.4. Corporate Behavior

I have gained knowledge and understanding of workplace etiquette, including how to interact professionally with colleagues, supervisors, superiors, stakeholders, and other individuals involved in the work environment.

4.3.5. Team Work

My role involved collaborating with various employees on team projects. I needed to establish and maintain a positive working relationship with my teammates. This experience has highlighted the importance of strong teamwork in overcoming challenges and achieving successful outcomes in any task or project.

4.3.6. Stress Management

In the past, I often felt overwhelmed and stressed when facing multiple tasks and encountering difficulties while performing my assigned duties. However, through my internship experience, I have learned how to effectively manage stress by remaining calm and composed in such situations.

4.3.7. Discipline

Effective discipline plays a crucial role in the success of any organization and recognizes this importance. The company maintains strict control over discipline in all aspects of work, ensuring a productive and orderly work environment.

4.3.8. Assisting others

The work environment at Kreatech fosters a strong sense of community. As a result, I have developed the ability to assist others with a smile on my face.

4.3.9. Learning Capability

One's ethics determine whether they leave a lasting impact or are forgotten. This principle holds universally and has greatly influenced my own life. I have developed a remarkable proficiency in learning and completing assignments punctually. Exploring various computer tools has been instrumental in expanding my knowledge and discovering innovative techniques and technologies for collaboration.

5. CONCLUDING STATEMENTS

5.1 Summary

During my tenure at Kreatech, immersing myself in the industry's professional culture and prevalent technologies was transformative. This experience became the crucible for honing judgment, problem-solving acumen, and refining my technical proficiency. It sculpted me into a self-assured, accountable, conscientious, and time-efficient professional, laying a robust foundation for my career.

A notable outcome was the significant enhancement of my communication skills—an indispensable asset in any workplace. Guidance from colleagues and collaborative problem-solving, even across teams, proved invaluable. Participating in group discussions and panel sessions provided diverse perspectives, enabling me to navigate challenges effectively. I emerged from this experience well-prepared to tackle the complexities of my professional journey.

Beyond skill development, the internship served as an invaluable preparation for real-world professional responsibilities. Immersed in Kreatech's unique culture, I gained practical insights, complementing theoretical knowledge. This exposure heightened my decision-making abilities and underscored the societal impact of my work—an awareness I carry into my engineering endeavors, emphasizing contribution to societal betterment.

Kreatech's diverse workforce, hailing from reputable universities globally, provided a rich learning environment. Highly qualified colleagues offered constructive feedback, fostering an environment where mistakes became valuable lessons. The internship's emphasis on interpersonal skills instilled a profound sense of responsibility and professionalism.

In essence, my Kreatech internship was more than an educational experience—it was a transformative journey that equipped me with practical skills, a heightened sense of societal responsibility, and the resilience to thrive in the dynamic landscape of my professional career.

5.2 Recommendations/Suggestions for Future Strategic Actions

Empowering students with immediate internship opportunities post-credit completion is a transformative initiative. My personal journey attests to this, as Kreatech's internship significantly elevated my self-confidence and equipped me for real-world success, concurrently enhancing my university's standing. My sincere appreciation extends to Kreatech for this invaluable chance, and I commend American International University - Bangladesh for integrating such a program into its curriculum. I urge everyone to embrace these growth opportunities. Reflecting on challenges faced during my internship, I gleaned invaluable insights that fortified my professional journey and fueled continuous learning.

5.2.1 Organization

To optimize candidates' interview readiness, it is advisable for Kreatech to confirm interview dates for non-local applicants at least one week in advance. Prioritizing employee welfare, the provision of all-weather transportation options is recommended, ensuring seamless commutes despite weather conditions or political disturbances. Enhancing efficiency, delegating assignment approval authority to the chief of staffing operations or the deputy manager, rather than solely the Director, could yield more favorable outcomes. Addressing the workload demands, a larger number of senior administrators, each handling a limited number of tasks, would foster a balanced workload distribution and elevate overall productivity. Attracting top talent and boosting productivity, offering group insurance options to employees is a strategic initiative. Ensuring optimal seating arrangements, confidentiality spaces for interns and staff, and a well-designed office layout are imperative for sustained productivity and a conducive work environment. In the competitive development industry, continual observation of competitors and adaptive strategies are essential for Kreatech to maintain a cutting-edge position.

5.2.2 University

AIUB's commitment to students' future success can be fortified by prioritizing practical understanding over mere academic knowledge. Organizing additional student seminars, company visits, and events is instrumental in bridging the gap between theory and real-world application.

Incorporating case studies on both Bangladeshi and foreign corporations is crucial, offering students a holistic perspective on the local business landscape. AIUB should curate relevant courses that equip students with in-depth knowledge and skills applicable to their prospective careers. Emphasizing workshops for soft skills and business acumen development is essential, preparing students for the multifaceted demands of the professional realm. Increasing industrial

visits augments practical exposure, and AIUB should actively pursue and enhance such opportunities. To streamline document transmission in business contexts, AIUB can conduct practical training sessions, educating students on efficient paper scanning processes in one-day workshops. This multifaceted approach ensures AIUB stands as a beacon of practical education and comprehensive skill development for its students.

5.2.3 Personal/Professional

Embarking on my journey at Kreatech was a transformative experience that granted me profound insights into the professional realm. Preceding my employment, my understanding of workplace dynamics was limited, but now, I possess a comprehensive grasp of the industry's intricacies. A pivotal lesson learned was the paramount importance of time management for task and project success. Embracing a well-structured routine has proved instrumental in enhancing various facets of life.

Independently navigating the challenges of my role fostered personal growth, nurturing maturity, composure, and self-confidence. Tackling diverse challenges and crafting creative solutions bolstered my belief in my capabilities. A supportive supervisor played a pivotal role in my journey, always available to address concerns. In essence, my tenure as a Web developer was a wonderfully enriching experience, shaping not just my professional acumen but contributing significantly to my personal development.

REFERENCES

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[2] [Kreatech serves in construction, Courier, Real Estate & Garments.](#)

[3] [Elevate Your Service with Innovation | Kreatech Bangladesh.](#)

[4] [Kreatech: Mastered in Web Development & SEO Marketing Solution](#)

[5] [Kreatech | Total IT Solution provider in Bangladesh](#)

RECOMMENDATION LETTER

Kreatech

Recommendation Letter for ATHOY KANTI RAY

Date: 14th September, 2024

To,
The Authority
American International University – Bangladesh (AIUB)
408/1, Kuratoli, Khilkhet, Dhaka 1229, Bangladesh

Dear Sir/Madam,

It is with great pleasure that I write this letter of recommendation for Athoy Kanti Ray, who recently completed his internship at Kreatech. Athoy played an essential role in our web development and ERP projects, collaborating with both frontend and backend developers. His contributions to our projects were consistently of high quality and demonstrated a thorough understanding of the technical aspects involved. Furthermore, he also maintained his attendance at Kreatech.

Athoy showcased an exceptional ability to tackle complex challenges, and his hands-on approach to development was highly appreciated by our team. He also exhibited great teamwork and communication skills, making him a valuable team player throughout his time at Kreatech.

Athoy's commitment to his work, willingness to learn, and enthusiasm for web development were evident from the very beginning. I believe he has a bright future ahead and would be an excellent fit for any opportunities that come his way.

Sincerely,
Meghla Mehnaz Rose
CEO, Kreatech
rose@kreatech.ca

+8801704242711

KREATECH
Meghla Mehnaz Rose
Proprietor

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APPENDICES

Athoy Kanti Ray

Address: Bashundhara, Dhaka, Bangladesh
Phone: +880 1626174239
E-mail: athoykanti.roy1612@gmail.com
OutLook: 20-43259-1@student.aiub.edu

Github: https://github.com/ATHOY43259
Linkedin: https://www.linkedin.com/in/athoykanti/

Enthusiastic engineering undergraduate with basic knowledge in coding and web-Application. Passionate in web development. Capability to work in teams and capable to learn new technology. Seeking opportunity with a software engineering position and grow my programming-development skills.

Experience

KreaTech

Web Developer -*Intern*

React JS, Tailwind CSS, UI/UX, GitHub, SEO

Education Qualification

- **BSc in Computer Science and Engineering** at *American International University – Bangladesh* | 2023 | **CGPA:** 3.25 / 4.00
- **Higher Secondary School Certificate (HSC)** at *Srijanee Bidyaniketan, Dumki, Patuakhali* | 2019
- **Secondary School Certificate (SSC)** at *Srijanee Bidyaniketan, Dumki, Patuakhali* | 2016

Professional Skill

- **Proficient:** HTML | CSS |bootstrap| PHP
- **Familiar:** C # | ASP .NET Web API | MVC | Python
- **Database:** MySQL | Oracle 10g | Microsoft SQL Server
- **Technical Tools:** MS Project | MS Visual Studio | VS Code | Github | Figma | Postman
- **Operating Systems**: Windows |MacOS| Ubuntu | Kali Linux | Security Onion
- **Automation Testing**: Selenium

Project Accomplished

- **Traffic View In a city – Computer Graphics Project |** GitHub), **|** Group Project
  About: A mini project user can control traffic light to stop and move the vehicle .
  I did:
    - House | Traffic control | shops

  Technology: C++ | OpenGL
  Duration: 4 month(s)

- **Pharmacy Management System –** *Web API(Backend)* **|** GitHub
  Group Project
  About: a pharmacy web API application of web based online medicine sell platform
  I did:
    - Pharmacist
    - Medicine

  Technology: C# | ASP .NET Web API | Microsoft SQL Server
  Duration: 3 month(s)

- **Quiz Game - Python |** GitHub
  About: Simply play quiz question and multiple choice answer.
  Technology: python | JSON

- **My Home -** *Web Application* **|** GitHub**|** Group Project
  About: An online-based Super hostel web-application that serves as a platform for a Super hostel service activity.
  I did:
    - Manager can assign employees, also update their information.
    - Check food order list.
    - Check Rooms details.

  Technology: HTML | CSS | PHP | MySql
  Duration: 2 month(s)

Interested

- Programming
- Artificial Intelligence

- Travelling
- Video Gaming