

INTERNSHIP EXPERIENCE LETTER

This letter certifies that **Mr. Muhammad Umer** has successfully completed an immersive and comprehensive virtual internship program with **Al-Nafi** (www.alnafi.com) for about **1 year**. The internship spanned from **August 2023 to August 2024**, during which he diligently engaged with and excelled in a diverse range of courses, acquiring valuable skills and knowledge in various fields.

He demonstrated proficiency in front-end and back-end development, showcasing an understanding of HTML, CSS, JavaScript, and server-side programming languages. He delved into the intricacies of Bash scripting, mastering the creation and execution of scripts for automating tasks in the Linux environment. He gained expertise in containerization using Docker, learning to package applications and dependencies into containers for seamless deployment and scalability. Moreover, he grasped fundamental data structures, enhancing his ability to organize and manipulate data efficiently.

Furthermore, he delved into the automation capabilities of Python, acquiring skills to streamline repetitive tasks and enhance workflow efficiency. He mastered the use of Selenium for automated testing of web applications. He delved into web development using Python Flask, creating dynamic and scalable web applications. He also integrated Python with JIRA for efficient project management and issue tracking. His completion of practical tasks demonstrated an ability to leverage automation in project workflows. He gained insights into cloud computing using Amazon Web Services (AWS). He became proficient in infrastructure automation using Ansible. He learned to create and manage reproducible development environments using Vagrant.

He also gained hands-on experience with Kubernetes labs, demonstrating proficiency in deploying, managing, and scaling containerized applications within Kubernetes clusters. His understanding of Kubernetes architecture and concepts contributed to efficient orchestration and resource utilization.

Throughout his internship, **Mr. Muhammad Umer** exhibited a remarkable commitment to learning, a keen interest in mastering diverse technologies, and a hands-on approach to problem-solving. We are confident that the skills and knowledge he has gained during this internship will significantly contribute to his success in the field of web development and DevOps.

Regards,

Suaira Tariq Mahmood

Manager Quality Assurance Academic Systems

Al Nafi

A handwritten signature in black ink, appearing to read 'Suaira'.