Research Statement

I obtained my B.S degree in Electronics & Telecommunication Engineering from Da Nang University of Technology and Science, a top engineering university in central Vietnam, in 2022. Since June 2021, I have been working at FPT Software, one of the largest software companies in Vietnam, where I gained expertise in automotive and socket communication systems. My skills extend to embedded, Linux, and IoT systems. I am proficient in programming languages such as C++ and Python, and I am also familiar with data structures and common algorithms. I am passionate about solving problems, implementing algorithms, and continuously expanding my technical skills.

After two years working at FPT Software, I realized that I need to learn and explore advanced technologies, especially in the era of AI. Therefore, I have decided to pursue a higher degree in Korea. I found that the research topics in your lab are very interesting, timely, and valuable for my future career. I am particularly interested in doing research related to Edge Computing and EdgeAI fields. Specifically, I would like to explore two directions as (1) training machine learning models at the edge (federated learning) and (2) deploying models at the edge using container orchestration technology. Additionally, I am eager to focus on application-based (experimental) research, where I can implement demo applications for real use-cases.

To prepare for studying and working in your lab, I have created a self-study plan for the next four months to acquire fundamental knowledge related to the research topics. I am confident that I can obtain the necessary skills and knowledge to excel in your research when I join your lab. I am a quick learner and can work well under pressure to meet project deadlines. Moreover, I am a responsible, reliable, and hard-working individual who believes in putting in the necessary effort to achieve outstanding results. I look forward to starting my academic journey under your guidance. Thank you for considering my application.

Study Plan	**Month**			
	05/2023	**06/2023**	**07/2023**	**08/2023**
Study concepts of networking and edge computing				
Get hand-on experiences with open-source tools (Kubernetes, KubeEdge, Flower, Tensorflow)				
Read lab’s papers and recent papers related to research topics				