

Kaung Sithu is a data-driven problem solver with a strong background in data science, artificial intelligence (AI), and software development. Passionate about technology and science, he has developed expertise in machine learning, neural networks, and software engineering. He holds a Bachelor of Engineering (BE) in Information Technology from West Yangon Technological University (2013-2020). To further advance his knowledge, he is currently pursuing a Master of Engineering (MEng) in Data Science and Artificial Intelligence at the Asian Institute of Technology (August 2024 - May 2026). Professionally, Kaung has over five years of experience in software development. He worked as a Senior Developer at Makegood Co. Ltd. in Myanmar for five years, where he contributed to various development projects. Later, he worked as a Python Developer at Engineerforce in Tokyo, Japan, for seven months, gaining international exposure and refining his technical skills. Beyond formal education and work experience, he has strengthened his expertise through industry-recognized certifications, including Stanford University & DeepLearning.AI's Machine Learning course and advanced topics in supervised, unsupervised, and reinforcement learning. Kaung Sithu remains committed to innovation and continuous learning in AI and software development. His technical expertise, combined with a passion for problem-solving, makes him a valuable contributor in the field of data science and AI-driven technologies. Kaung believes technology is a fundamental driver of societal progress, enabling innovation, efficiency, and accessibility across industries. It has the power to solve complex global challenges, from healthcare to climate change, but must be developed ethically to ensure inclusivity and fairness. As an AI and data science professional, I see technology as a tool for empowerment, one that should be used to bridge gaps rather than widen them. Cultural values play a critical role in shaping the ethical framework of technological advancements. Technology should respect and reflect the diversity of societies, ensuring that it enhances rather than disrupts cultural identities. Ethical AI and localized technological solutions should prioritize fairness, inclusivity, and transparency to align with the values and needs of different communities. The most challenging aspect of his studies has been balancing theoretical research with practical implementation. While mastering advanced AI and machine learning concepts is intellectually stimulating, translating them into real-world applications requires a deep understanding of computational efficiency, scalability, and data integrity. Additionally, adapting to a rigorous academic workload while staying up to date with rapidly evolving technologies is both demanding and rewarding. His primary research interest lies in the intersection of AI, deep learning, and data-driven decision-making. He aims to explore how AI can be leveraged for ethical decision-making in business intelligence, healthcare, and automation. Specifically, he is interested in developing interpretable machine learning models that enhance transparency and accountability in AI systems. During my master's program, He hopes to contribute to research that bridges the gap between theoretical advancements and practical, industry-ready AI solutions.