

## Study Plan – Abu Bakar Siddique

Dear Visa Officer,

I have been admitted to the thesis-based Master's program in Computer Science at Bishop's University, specializing in AI-driven cybersecurity, from August 2025 to December 2027. This research program will enable me to become a skilled expert in AI and cybersecurity, allowing me to address critical challenges in Bangladesh, such as financial fraud, deepfakes, and disinformation.

Canada's global leadership in artificial intelligence research, combined with Bishop's University's advanced facilities and my supervisor Professor Yasir Malik's expertise in AI and cybersecurity, makes this the ideal place for my studies. In Bangladesh, where AI-powered digital threats are escalating, this program will equip me with the skills to make a significant impact upon my return.

My academic goal is to specialize in adversarial machine learning and AI security. I aim to develop advanced frameworks to defend against AI-driven cyber threats while promoting ethical AI practices. Upon graduation, I plan to contribute to Bangladesh's tech industry by designing secure AI solutions, aligning with national priorities in cybersecurity and innovation, where my skills can address critical gaps in AI-driven threat mitigation.

Although Bangladesh has made progress in ICT and computer science education, it currently lacks the academic infrastructure and expert faculty necessary for advanced AI research. No local university offers a program with a comparable research environment, formal mentorship in cybersecurity and AI, or access to cutting-edge datasets and labs. Additionally, limited collaboration between universities and the cybersecurity industry restricts practical research opportunities. Studying in Canada will provide me with essential exposure and resources that are not available in Bangladesh.

This program will greatly enhance my career prospects in Bangladesh by equipping me with globally competitive expertise in AI and cybersecurity. As Bangladesh's digital systems continue to grow, particularly in banking, government, and the telecom sector, there is a rising demand for experts. With the specialized skills I gain through this program, I will be well-prepared for senior roles and able to make a significant contribution where such expertise is rare. My research experience will also enable me to lead initiatives to train professionals and support national strategies for digital security and responsible AI use.

I have close family ties and ongoing responsibilities in Bangladesh. I am the sole caregiver for my 53-year-old mother and manage our family's residential and agricultural properties. My father passed away about 1.5 years ago, and as the natural heir, I am responsible for the family assets, with the legal transfer currently in process. My married sister also lives in Bangladesh. I am fully committed to returning to Bangladesh to resume my career. My long-term goal is to establish the country's first AI cybersecurity research center. The skills and knowledge I gain in Canada will enable me to lead initiatives that protect our digital future and contribute to national development.

Sincerely,  
Abu Bakar Siddique