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To whom it may concern,

I am pleased to write this strong letter of recommendation for Vishal Radhakrishnan, whom I had the privilege of supervising during his capstone project at the University of Toronto. Vishal, a final-year Mechanical Engineering student with a minor in Robotics and a certificate in Business, has demonstrated exceptional skills and a profound commitment to innovation, particularly in fields such as Mechatronics Design, Bioengineering, Data Analytics, and Research.

During his capstone project, Vishal worked in a collaborative group environment and was instrumental in developing a medical phantom to simulate lung motion for radiotherapy planning. His role encompassed both the design of the phantom and the programming required for its motion control. Vishal's technical prowess allowed him to program a MATLAB application that effectively controlled the motion of six motors simultaneously, enabling precise simulations of tumor trajectories in three dimensions. This capability was a critical part of his group's design. His enthusiasm for the project extended to the point that he volunteered to put additional work into the phantom even after completing all course requirements. This project was successfully accepted as a poster presentation at the Canadian Association of Radiation Oncology 2024 meeting.

Vishal was an absolute pleasure to work with, consistently demonstrating his capability as a positive and collaborative team player. In group settings, he excelled at fostering a supportive and inclusive environment. Vishal's openness to feedback and his capacity to constructively incorporate suggestions into his work significantly enhanced project outcomes. Moreover, he possesses a commendable ability to thoughtfully defend his own ideas and decisions, providing well-reasoned explanations and demonstrating a balanced blend of flexibility and assertiveness. This combination of receptiveness and confidence in his convictions not only made him a key contributor to the project's success but also a highly respected member among his peers.

Vishal's ability to navigate between practical engineering applications and theoretical research is a testament to his versatile skill set. Throughout my time working with him he faced many complicated engineering problems and setbacks. However, he worked effectively from first principles to tackle and solve each challenge he was faced with. His dedication to his work and his innovative mindset have been evident in all his endeavors. I am confident he will succeed in any field he chooses to pursue.

I wholeheartedly recommend Vishal Radhakrishnan for a position within your program, confident that he will exceed your expectations and bring a valuable perspective to your team. Should you require any more information, please do not hesitate to contact me at sherif.ramadan@lhsc.on.ca or by phone at 647-389-5607.

Yours sincerely,

Sherif Ramadan