After four years of Civil Engineering undergraduate education, I am entirely satisfied with my decision to pursue engineering as a professional path, in that it has revealed to me the most realistic and practical method of solving human problems. My excitement, together with the potential for innovation and prodigious possibilities in the subject of Civil Engineering, has inspired me to pursue further education and contribute to the field through relevant research. At this point in my career, I firmly believe that graduating from Asian Institute of Technology (AIT) will be an excellent move in the right direction.

Most of the fields of Civil Engineering are interesting to me but I am more interested in Geotechnical Engineering. I have strong desire to continue my further education by pursuing a Master’s degree and ultimately followed by a Ph.D. Additionally, I have strong desire to do the research works and likely to get the praise worthy results in the fields of Geotechnical Engineering. The devastating earthquake in 2015 in Nepal when I was in school is the foundation of this. I was terrified to look at the consequences of a 7.8 magnitude earthquake that took almost 9000 lives and destroyed 600,000 homes, and it was not even necessarily the worst-case scenario. The earthquake also triggered many landslides, landslides in Sindhupalchowk district and other places, that caused other structural as well as human casualties. The earthquake damage survey indicated that majorly soil characteristics and the construction deficiencies were apparent causes for the myriad structural collapses. As a result, adequate geotechnical aspects are essential for reducing potential future risks. My realization that there is a huge deficiency of engineering in our country, it sparked my interest in Civil Engineering. Consequently, after finishing my school I enrolled in the Science program, in high school and then applied to Nepal’s top university, Tribhuwan University, and got admitted to Khwopa College of Engineering, one of Tribhuwan University’s top colleges, and best community college in the Bhaktapur district.

Currently, I am working as a Research Assistant under Dr.Er.Chandra Kiran kawan at Khwopa college of Engineering, where I perform the lab test and experiments, and prepare report on ongoing research project in college. During my undergraduate studies, I took part in a variety of projects and civil exhibitions to broaden my expertise. Apart from passing all the semester examination on the regular basic (except for 1st semester), I also started a didactic YouTube channel named as ‘Mero Vision’, to simplify the engineering and science concepts in our national language-Nepali, for other people, and currently it has about 8.2K subscribers. During my time on campus, I had prepared the model of Multi level car paring system for the soil of Kathmandu valley, in an intercollege model exhibition program, ‘SANKALPA-19' at Kathmandu University, which tend me to research the possible types of foundation all around the world and I got fascinated by the deep foundations that could be done in Silty Clay soil, soil like that of Kathmandu valley. I have also regularly participated in national level exhibition, ‘CESS’ at central engineering college- Pulchwok Campus, and on the national earthquake safety day organized by Bhaktapur municipality and Khwopa college of Engineering. Toward the end of my undergraduate studies, I developed a strong interest in the field of soil. That's why I choose Soil conservation and watershed management, and Ground water engineering as electives, and pre-feasibility study of Chepe khola Hydropower project as my final year project.

While much of the world has come to a stop at times during the pandemic, at the dawn of 2020, I utilized my time in learning various software's like AutoCAD, GIS and SAP 2020 from online platforms like Coursera and Edx, to help me build my career expeditiously. I also diversify my knowledge toward the programming languages, for that I learned the MATLAB and Python programming language during the lockdown. Later, I also participated in the skill development programs conducted by our own college where I received the training on DGPS, Drone Survey and LIDAR survey as well.

At this stage in my academic career, I understand that my undergraduate education has only given me a taste of this profession and that there is still so much more to discover and produce in this field. So, I decided to pursue a master's degree in Geotechnical Engineering to expand my core knowledge and help me compete globally. For the rest of my working life, I want to continue to grow in my academic expertise in this area, engage in operations with equipment items, and gain worldwide experience. With this goal in mind, I began studying for the TOEFL and GRE. I received a TOEFL score of 92 out of 120 and planning to give GRE very soon.

Because of my interest in Soil and water, and after completing my undergraduate studies at Nepal's undoubtedly greatest institution, I would consider it an honor to be able to continue my graduate studies at AIT and make use of its excellent infrastructural facilities and research prospects. The Department of Civil Engineering at your university generates world-class research, which reflects the outstanding research environment and great facility. I am confident that the exciting academic environment at your university, as well as my interactions with prominent teachers, will be extremely beneficial to my development as an independent researcher in my field. There are just a few universities where Civil Engineering students can pursue employment in both core and interface fields and because of its renowned academics and significant industry involvement in its research programs, Asian Institute of Technology, in my opinion, is without peers in this regard.

After completing the course, I intend to do my best to use my talents and knowledge to serve my motherland, Nepal, and to contribute to Nepal's safe and sustainable construction profession. As a developing country, with a diverse range of natural resources, Nepal should have human resources with the necessary technical capabilities to lead the revolution toward modernization. I am completely certain that the education I will receive from your institution will have significant scope in Nepal for its sustainable growth. With an invaluable degree and expanded expertise, I can work as a Geotechnical Engineer for national and international firms such as Chaudhary Group, Honshi-Shivam Cement, Jagadamba Steel Company, Kalika construction company, and the like, where I can expect considerable career progress, job security, and satisfy my ambition to contribute my society with relevant research.

If given the chance, I would work hard to demonstrate my worth, while studying at your university. I am excited to be a member of such a prominent university as yours and hope to be accepted into your university's Master of Civil and Geotechnical Engineering program. I'll be looking forward to hearing back from you.