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## LETTER OF RECOMMENDATION FOR MAHEDI KAMAL

It is my pleasure to recommend Mahedi Kamal for admission to your graduate program. I met Mahedi five years ago when he was a sophomore. On behalf of his group, he requested me to be their thesis supervisor. Since then, I have observed how he grew as an excellent engineer and machine learning enthusiast. The Computer Science and Engineering department at the Military Institute of Science and Technology hosts some of the brightest students in the nation and Mahedi particularly drew my attention among them.

I knew him personally before I became his thesis supervisor, because of his smart answering and politeness in the classroom. I saw in the class how fast he could catch up to a new lesson. After becoming my thesis student I asked his group to prepare a thesis proposal. The idea his group came up with is challenging to implement for students of BSc level. The data collection procedure was tough with limited technical support. But because of his strong character and leadership qualities, I believed in him that he would lead his group to success. The total thesis work was divided into two separate works, one is to collect data on Bangladeshi native vehicles that are not seen generally all over the world, and the second one is to predict the distance of a car only using a single mobile camera. His group completed the research work successfully. He published one conference paper titled [Monocular Vision-Based Vehicle Distance Prediction utilizing Number Plate](#) and a research article titled [ANNA: A Deep Learning Based Dataset in Heterogeneous Traffic for Autonomous Vehicles](#).

I saw him doing competitive programming and participating in several ICPC Dhaka Regional contests. He is a good programmer and writes clean and efficient code. His logical thinking amazed me on several occasions.

From my personal experience, I am very certain that Mahedi is capable of being successful in your university's graduate program. He has a combination of premier academic ability and solid software engineering capabilities, which I feel is extremely important given the requirement of reproducibility of research. He is confident, possesses leadership skills, and is committed to his goals. Therefore, I strongly recommend him for admission to your university. I also highly recommend him for any possible financial assistance.

If you need any further information, please feel free to contact me.

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