DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Letter of Recommendation

It is my pleasure to write this letter of recommendation for my student Shusmoy Chowdhury. He has completed his B.Sc. Engineering in the Department of Computer Science and Engineering (CSE), Bangladesh University of Engineering and Technology (BUET) with honors grade.

BUET selects the most brilliant students of the country among the top 1% of its total students through an immensely-competitive and rigorous admission test each year. Among the selected ones, only the topmost 120 students are generally chosen for the Department of CSE. Shusmoy was one of those topmost students in his batch.

I first met Shusmoy when I was teaching undergraduate theory and sessional courses on computer networks. He used to be very attentive in the class. He was struggling at the beginning of the course, as it was one of the difficult courses in the program. He discussed his situation with me and took my advice to improve in the course. Besides, in the sessional course, he was a good and hardworking student. He successfully completed laboratory experiments in the sessional course. In the final project of the sessional course, I gave an assignment to work with the Network Simulator 2 (ns-2). ns-2 was new to the students at that time. Though I provided all the codes and gave lectures on ns-2, I wanted them to master it and implement new changes to it. In the final submission of this task, Shusmoy was one of the students who could implement the protocols properly and explain the results of ns-2 with proper explanations.

Later in that year, he came to my office to show his interest in research work and wanted join in my research group. I asked him for explaining his research interests. He told me about his passion on new software development. At that time, few students in my research group some were working on an Android app named "Dual-SIM", which can select the best one from multiple SIMs available in a smartphone according to the lowest possible applicable call rates and SMS charges. I gave him a task to develop a web crawler, which could take the data of applicable call rates and SMS charges from websites of the SIM companies and insert it in our database. Within a short period of time, he developed a web crawler using python and Django framework, which could provide the data we needed. He also developed the cost function of our Android app. At that time, I understood that he was effective as well as efficient in his work and also quick in getting the research outcomes.

Shusmoy was always interested in research work and came to me with different research ideas. After his graduation, he came to me with an idea of making a platform where guardians and students can find suitable tutors, and at the same time tutors can also find suitable tuitions for them. The research purpose of this project is to analyze the current education situation in developing countries such as Bangladesh. In such developing countries having house tutor is a common phenomenon. Accordingly, he did a survey over tutors, guardians, and students to find out the important features we actually needed to implement. Then, he developed an Android app using Flutter framework with the features. Besides, in that work, I told him to study about UI/UX design and develop the app accordingly. In a short period of time, he not only learnt different aspects of the UI/UX design but also designed a glamorous and appealing app, which can easily attract the users. By seeing his work, I realized his passion and dedication for research work. The app is launched in the Google Playstore named "Tuition Hub".

Based on my personal interaction with Shusmoy in our research studies, I found him to be always ready to explore new things and he never backs down from a research challenge. Moreover, he is vibrant and he likes to interact with people. I have no doubt that he will someday be very successful in the field in which he wants to pursue his graduate research. Therefore, I strongly recommend him as an excellent candidate for your highly-reputed graduate program with any available financial aid.

Should you have any query in this regard, please feel free to contact me.

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