Statement of Purpose
of (MS applicant for Fall—2017)

Respected Graduate Admission Committee:

Mathematics, a universal language, approach to practical life by logic and philosophy.

I feel privileged to express my deep interest in the MS program in Center for Computational and Data-Intensive Science and Engineering, Skoltech, Russia. I have many reasons to choose this prestigious university. On top of them is that I have found this research centre as the best place for those who want to learn applications of artificial intelligence.

I am greatly inspired by the work of many professors at Skoltech especially in the field of deep learning, which has exceedingly convinced me to choose this program to pursue my education with such a learned academician. I explored that the research unit of Skoltech is investigating the cutting-edge research in the field of deep learning. Therefore, I have chosen their Center for Computational and Data-Intensive Science and Engineering, which is one of the largest research centre in Russia. Moreover, it establishes a new laboratory "Tensor Networks and Deep Learning for Applications in Data Mining" which includes computer scientists and linguists with considerable experience in Data Mining. After glancing at a few of their recent papers and research summary I find their work very interesting. I am much eager to adopt and know new technologies. The above mentioned reasons are the major motivating factors for me to choose this program in one of the finest academic institutes of the world.

If I talk about my areas of interest in research, I would like to state that algorithms and models used in Data mining are my favourites. This is the concentration and academic setting in which I would like to complete the masters. I am pretty sure; it shall help me to add significant knowledge in the existing body of academic research. Currently, I am composing my Master's thesis on the understanding of the meaning in text and classify (semantics analysis) in order to automatically generate language that is fluent and appropriate to the context. I have used various data sets including reviews of IMDB. This research involves observations finding statistical patterns of language use and then developing algorithms that can automatically reason with these statistically derived meaning represent (distributional semantics). Furthermore, I have strong will to work in Russian language. I want to make some improvements in Russian data mining and its applications by employing neural networks techniques. I am also planning to participate in a competition, PAN @ CLEF 2017.

Besides research during my graduate studies I have been able to utilize my analytical and problem-solving skills to achieve excellent scores in challenging courses like Neural Network Technology, Advanced Computational Intelligence etc. I have always adopted a stringent approach in order to attain an in-depth understanding of the subject at hand. This has given me a broad conceptual basis, which, I believe, is crucial for my research career. My grades in the basic courses reflect my quest for fundamentals.

This scholarship will give me the chance to flourish my research initiatives under the umbrella of expert supervisions of renowned academicians. I consider myself best suited candidate on basis of my strong motivation, relevant academic record; research experiences in same domain. I would be grateful for the opportunity if given so that I may demonstrate my capabilities to my best.

Yours very sincerely,

Maaz Amjad
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