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<u>To Whom It May Concern</u>

I am happy to write the recommendation for S M Rafiuddin as I know him for almost 3 years. I had seen him as a keen, enthusiastic, energetic faculty member and very passionate about research. He teaches courses like Pattern Recognition, Machine Learning, Algorithms and the associated lab courses which are well related to his research interest. He trained the students' with implementing some popular machine learning and deep learning models using some open source dataset in the lab courses. He also developed some games in Unity in accordance with computer graphics lab course. I found him conceptual, practical and most suitable for research activities.

He is currently engaged into some interesting research projects e.g. Abstract Art generation using Generative Adversarial Networks, Isolated Bangla Complex Handwritten Character Recognition using Deep Learning Inception Model.

His academic records are considered as praiseworthy. Beside his academic qualification, he has the ability to organize events and volunteering experience. In the past, he volunteered some of the events like National High School Programming Contest, Divisional Mathematical Olympiad etc.

He is well-behaved, hardworking and has the ability to make things easy and understandable for student and other community. I believe that S M Rafiuddin will be a good fit for the position for graduate research assistant and he will shine as a Ph.D. research candidate in the field of Computer Science and Engineering. His research experience and interest strongly correlates with the latest trends in Computer Science and Information Systems oriented research.

One of the important observations I have about Rafiuddin that he organizes his works and projects very well by regularly updating his Github repository and creates documentations where necessary. This is an important qualification for an excellent researcher to have.

I strongly recommend S M Rafiuddin as a graduate research assistant of the Ph.D. program of Computer Science at New Jersey Institute of Technology and wish him every success to be an impactful researcher in future.

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