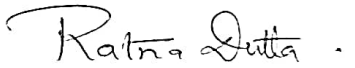


To Whomsoever It May Concern

I take immense pleasure in recommending Mr. Suman Ghosh for the PhD program 2023 in your University. He is pursuing M.Tech in Computer Science and Data Processing from our institute IIT Kharagpur. Currently he is in the final semester with a CGPA of 9.38 in this program and he will graduate in July 2023.

I have known him for more than one year since his first semester. I was a member of a committee for their seminar course. From second year he is doing his master thesis project in Cryptography under my supervision. Along with this he worked as a research intern under one of my projects for 4 months. During this period, he mainly worked on zkSNARK, zkSTARK and some zero knowledge protocols. He has developed good concepts in modern cryptographic protocols. He is a highly motivated and industrious student. He has always been focused on his assigned tasks and I am quite hopeful of getting his works published in the international high-quality interdisciplinary journals. Apart from academics, he has also been active in different activities like sports within the institute. I would like to see achieving his goals in the near future. I am confident that he will make a place for himself.

On a personal note, Mr. Suman is a hardworking, well-behaved student with a pleasant character. He has always impressed me with his concepts, skills and dedication to his work and has always been one of my most valued students. I am writing to express my greater support for Mr. Suman for the PhD program 2023. I believe this opportunity allows him to develop a better understanding of his current area he is involved in. I hope that you will accept his application through this program. Feel free to contact me if you require further information.



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