

**INSTITUTE OF RADIO PHYSICS & ELECTRONICS**

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Date: 18/09/2023

**To Whom It May Concern**

This is to certify that Sagnik De, who is pursuing a B.Tech in Electronics and Communication Engineering at Institute of Radio Physics and Electronics, University of Calcutta, has been a dedicated and exemplary research student in our Artificial Intelligence Laboratory. He spent nearly 10 months in our lab (October, 2022- till date), conducting research on multiple Machine Learning based Human-Computer Interaction problems. During his tenure, Sagnik displayed a commendable work ethic and a strong commitment to his research endeavors.

Sagnik possesses a commendable level of sincerity and dedication to his work, always eager to learn and tackle complex challenges. He completed the assigned tasks, such as reading technical papers, coding in Python, experimenting with new ideas, etc., to my satisfaction. His ability to grasp intricate concepts and apply them to practical projects has been impressive. He actively engaged in our research projects, often taking the lead in designing experiments and developing novel approaches.

One of the most remarkable qualities that sets Sagnik apart is his ability to work collaboratively. He has consistently proven himself as an invaluable team member, fostering a positive and productive environment within our lab. Sagnik's contributions resulted in several noteworthy findings, which he diligently submitted for publication in various prestigious International IEEE Conferences. His communication skills, both written and verbal, are impressive, enabling him to effectively convey complex ideas and findings to his peers and mentors.

In conclusion, I have no doubt that Sagnik has a promising future ahead in the field of AI and Human-Computer Interaction. His dedication, intelligence, and collaborative spirit make him an exceptional candidate for any academic or professional endeavor. I wholeheartedly recommend him for any academic or professional opportunities that come his way.

Sincerely,

*Anisha Halder Roy*  
Assistant Professor  
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and Electronics  
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