

**Candidate for Executive Council Member**  
(1 July 2024 – 30 June 2028)



**Aritra Banik**

National Institute of Science Education and Research, Bhubaneswar  
India

**BIOGRAPHY**

My name is Aritra Banik, and I specialize in algorithm design. With a Ph.D. and M.Tech from the esteemed ISI Kolkata, I currently serve as a faculty member at NISER Bhubaneswar, having previously held a position as an assistant professor at the IIT Jodhpur. Throughout my career, I've been actively engaged in various ACM activities, including organizing multiple ACM summer schools. Currently, I chair the ACM summer/winter school committee. Additionally, I participated in the ACM India Teaching Partnership Program, furthering educational initiatives. I also served as the organizing chair for the 2024 ACM Annual Event at NISER.

**STATEMENT**

As a member of the ACM India summer schools committee, I recognize the vital role these programs play in connecting undergraduate students with the computing research community. While our efforts to enhance these schools have been notable, I believe there's further potential for growth. If elected, I'm dedicated to expanding ACM's educational initiatives.

The rapid advancements in AI have transformed scientific research across disciplines like physics, chemistry, and medicine. However, many researchers lack fundamental AI skills, hindering their ability to utilize these tools effectively. Thus, I propose establishing an AI training program tailored to scientists, equipping them with essential skills in pattern recognition and data analysis.

By bridging the gap between AI and scientific research, we can drive progress and innovation. With your backing, I aim to lead this initiative, strengthening ACM's commitment to advancing education and research in India.

Furthermore, while ACM India's graduate programs cater to a broad audience, I advocate for events focused on specific subtopics of computer science. If elected, I will propose graduate

events centered around areas such as machine learning, systems, and theory, tailoring these programs to meet the unique needs of graduate students and enrich their learning experiences.

--

<http://www.niser.ac.in/~aritra>