



# SAKHI BANDYOPADHYAY

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Department of Computer Science  
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## CONTACT DETAILS

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## RESEARCH AREA

Data Hiding, Multimedia Security, 3D Mesh Analysis.

## EDUCATIONAL QUALIFICATION

DEGREE	UNIVERSITY
PhD (Pursuing)	Department of Computer Science and Engineering, Assam University
M. Phil.	Dept. of Computer Science, Vidyasagar University
M.Sc.	Dept. of Computer Science, Vidyasagar University
B.Sc.	Vidyasagar University

## WORKING EXPERIENCE

PERIOD	NAME OF THE COLLEGE/UNIVERSITY
January 2014 To Present	Dept. of Computer Science, <b>Kharagpur College</b> , Kharagpur.

- ❖ Worked as Internal and External Examiner of various examinations of Vidyasagar University
- ❖ Worked as Question Setter of various examinations of Vidyasagar University
- ❖ Worked as Scrutinizer of various examinations of Vidyasagar University

## PUBLICATIONS

- **Bandyopadhyay, S.**, Sarkar, S., Mukherjee, S. and Mukhopadhyay, S., 2023. Pixel Interpolation Followed by Prediction Error Expansion-Based Reversible Information Hiding Algorithm for Securing Healthcare Data. In *Frontiers of ICT in Healthcare: Proceedings of EAIT 2022* (pp. 375-385). Singapore: Springer Nature Singapore.
- **Bandyopadhyay, S.**, Sarkar, S. and Mukhopadhyay, S., 2023, April. Hiding Secret Data Using AES Encryption and DFS Graph Traversal in 3D Images. In *2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)* (pp. 1-4). IEEE.
- **Bandyopadhyay, S.**, Mukherjee, S., Jana, B. and Chowdhuri, P., 2022, June. A Data Hiding Technique Based on QR Code Decomposition in Transform Domain. In *Proceedings of International Conference on Frontiers in Computing and Systems: COMSYS 2021* (pp. 425-432). Singapore: Springer Nature Singapore.
- Singha, S., Jana, B., Mandal, N.K., Jana, S., **Bandyopadhyay, S.** and Midya, S., 2022. Application of dynamic weight with distance to reduce packet loss in RED based algorithm. In *Advanced Techniques for IoT Applications: Proceedings of EAIT 2020* (pp. 530-543). Springer Singapore.

**CONFERENCES, FDP, STC, STTP, SEMINARS AND WORKSHOPS**

ACTIVITY	TITLE	ORGANISED BY	ROLE	YEAR
FDP	<i>Machine Learning and Internet of Things</i>	Global Institute of Science and Technology, Haldia	Participant	2022
Workshop	<i>Statistical Techniques for Data Analysis (STDA 2021)</i>	Dr, BR Ambedkar NIT Jalandhar	Participant	2021
Seminar	<i>Research methodology - contemporary Challenges (RMCC 2021)</i>	Assam University, Silchar and IEEE Kolkata Section	Participant	2021
STTP	<i>Hands on Training on Art of Writing Technical Paper</i>	AICTE and MAKAUT, Kolkata	Participant	2021
Webinar	<i>Body's Fight Against Harmful Invaders</i>	INSA and Kharagpur College	Participant	2021
FDP	<i>Role of Mathematics in Latest Engineering Trends</i>	Department of Mathematics, LIET, Hyderabad	Participant	2021
STC	<i>Advanced Mathematical Techniques for Engineers &amp; Scientists (AMTES20)</i>	TEQIP-III SPONSORED E-STC NIT Rourkela	Participant	2020
Webinar	<i>Machine Learning and Steganography</i>	Dept. of Computer Science and BCA, Kharagpur College	Participant	2020
Webinar	<i>Recent Trends in Mathematics and its Applications</i>	Dept. of Mathematics, Kharagpur College	Participant	2020
Workshop	<i>Ethical Hacking (Megalith 2020)</i>	IIT Kharagpur and IIT Hyderabad	Participant	2020