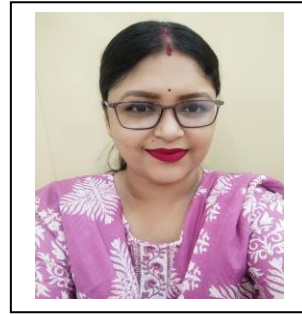**Name:**   Dr. Keya Chowdhury

Designation: Assistant Professor

Branch: Computer Science and Engineering

Educational Qualification(s):

Qualification(s)	University
B.E (Computer Science & Engineering)	Tripura University
M.Tech (Computer Science & Engineering)	Tripura University
Ph.D (Computer Science & Engineering)	ICFAI University Tripura

Experienceinyears:

Academic:1year.

Research:3.6years

Details:

Sl. No.	Organization	PositionHeld	Duration	
			From	To
1	ICFAI University,Tripura	Visiting Faculty	1/3/2025	31/5/2025
2	ICFAI University,Tripura	Research Scholar	1/12/2021	23/5/2025
3	M.B.B University	Visiting Faculty	10/3/2021	10/9/2021
4	Raniganj Girls 'H.S School	Vocational Teacher	23/8/2021	30/11/2021

OtherInformation:

a) **Publicationdetails.**

Journals:

1. Keya Chowdhury, Subhrajyoti Deb, Nirmalya Kar, Joy Lal Sarkar, Ahmed Hussein Alkhayyat, and Lewis Nkenyereye. "PwLMµ-TPE: A Visual-Usability and Privacy-Enhanced Thumbnail Preserving Encryption Scheme of Cloud Computing forConsumers" in*IEEE Transactions on Consumer Electronics*, 2024, doi: 10.1109/TCE.2024.3412100. I.F- 10.9. [SCI Indexed]

2. Keya Chowdhury, Subhrajyoti Deb, Kumar Sekhar Roy, Durgabati Podder, and Aditya Kumar Sahu. "A systematic survey on TPE schemes for the cloud: Classification, Challenges and Future Scopes."*IEEE Access*(2024), vol. 12, pp. 160669-160689, 2024, doi: 10.1109/ACCESS.2024.3479228. I.F- 3.4. [SCI Indexed]

3. Durgabati Podder, Keya Chowdhury, Subhrajyoti Deb andNirmalya Kar. "Messed up (): A Key Generator based image cryptosystem" in *International Journal of Ad Hoc and UbiquitousComputing*.pp 1-12.DOI:10.1504/IJAHUC.2023.10054456.I.F–0.7.[SCI Indexed]

4. Keya Chowdhury, Abhishek Majumder, Joy Lal Sarkar, Sukanta Chakraborty, and Sudipta Roy. "Wardp HMM: A Shilling Attack Detection Technique Using Wardp Method and Hidden Markov Model."*Computación y Sistemas*25, no. 3 (2021): 647-657. [SCOPUS Indexed]

Conferences:

1. Keya Chowdhury, Subhrajyoti Deb, "A review on Security attack analysis and countermeasures on Thumbnail Preserving Cryptosystem", Lecture Notes in Electrical Engineering, Springer. 4th INTERNATIONAL CONFERENCE ON EMERGING ELECTRONICSANDAUTOMATION(E2A2024).NITSilchar,Assam.9th-11th december,2024.[ScopusIndexed](Accepted&Presented)

2. Sujit Sutradhar, Keya Chowdhury, Abhijit Biswas, Subhrajyoti Deb, "Next-Generation Firewalls and AI-Based Detection Systems for DDoS Mitigation", *Smart Innovation, Systems and Technologies book series (SIST)*. Springer. International Conference on Advanced Communications and Machine Intelligence (MICA2024). Mahindra University, Hyderabad, Telangana, India. 18th - 19th October, 2024.[Scopus Indexed] (Accepted & Presented)

3. Keya Chowdhury, Subhrajyoti Deb, "TPE-ASPEC: Secure Thumbnail Preserving Cryptosystem for Cloud-Based Medical Data Using an Advanced SPE and Chaotic Maps", *Smart Innovation, Systems and Technologies book series (SIST)*. Springer. International Conference on Advanced Communications and Machine Intelligence (MICA2024). Mahindra University, Hyderabad, Telangana, India. 18th - 19th October, 2024. [Scopus Indexed] (Accepted & Presented)

Bookchapter:

1. Keya Chowdhury, Abhishek Majumder, and Joy Lal Sarkar,, 2023. "Taxonomy of Shilling Attack Detection Techniques in Recommender System". In Machine Learning Algorithms and Applications in Engineering (pp. 141-160). CRC Press. [Scopus Indexed]

2. T. Deb, T. Banik, K. Chowdhury, S. Chakraborty.,"An Optimized shot Boundary detection Technique to detect different Transitions", Tech Horizons: Exploring Leading-Edge Technologies and Innovations Editors. IUT Publication (A Division of ICFAISociety). ISBN: 978-81-964208-8-8

(b)DetailsofSeminar/Workshop/Conference.

1. Participated in the Multidisciplinary International Workshop on "The Craft and Methodology of Thesis Composition: Exploring Research Design, Ethics and Academic Writing", heldfrom July 1-5, 2024. Conducted by the ICFAI University Tripura, India.

2. Participatedin"International Conferenceon Non-Linear Analysisand ScientificComputing". Organized by the Department of Mathematics and Statistics. The School of Applied Science and Humanities, VFSTR (Deemed to be University), Vadiamudi, Guntur District, Arunachal Pradesh, India. 26-28th September, 2024.

3. Participated in "International Conference on Advanced communications and Machine Intelligence" (MICA2023). Jointly organised by The ICFAI University Tripura and NIT warangal, India. 1st-2nd November, 2023.

4. Participate in the Five days Faculty Development Programme (FDP) in virtual mode on "Research, Publication & Ethics" from August 16-20, 2022 at ICFAI University, Tripura

5. Participated in the workshop on "Data Science and Data Mining",AICTE training and learning (ATAL) academy, Guwahati. February, 2020.

6. Participated in the workshop on "Machine Learning and Artificial Intelligence",AICTE training and learning (ATAL) academy, Guwahati. January, 2020.

7. Participated in the workshop on "Recent Trends in Quantum Computing",AICTE training and learning (ATAL) academy, Guwahati. September, 2019.

8. Participatedintheworkshopon"IntroductionToLinux",September,2016.

9. Participatedintheworkshopon"JavaProgramming",September,2016.

10. Participatedintheworkshopon"EthicalHacking",September,2016.

11. DepartmentofElectronicsandInformationTechnology,Agartala,Tripura,India
12. Practical knowledge in the field of Windows Networking and Server Management. June, 2016.