

# ADITI ROY

## SKILLS

MS OFFICE, PYTHON, SQL,  
NEO4J (CYPHER, KNOWLEDGE  
GRAPH), PROTÉGÉ (ONTOLOGY  
MODELING)

## EXPERIENCE

- Worked as **Library Intern** at **Central Library University of North Bengal** for 90days.
- Worked as **Librarian** at **Hebron School**, New Rangia, Shiv mandir since 1<sup>st</sup> Feb 2019 to 31<sup>st</sup> March,2020.
- Research Experience as JRF at DLIS, NBU from 2020 to 2025. (Thesis Submitted on 8<sup>th</sup> May 2025).
- Currently working as Librarian at Rural Library, Jalpaiguri District.

## EDUCATION

	Board/University	Year	Division
MLIS	NBU	2018	1st class 2nd
BLIS	NBU	2016	1 <sup>st</sup> Class 1st
B.SC	NBU	2015	2 <sup>nd</sup>
H. S	W.B.C.H.S.E.	2012	1st
Madhyamik	W.B.B.S.E.	2010	1st

I am a doctoral researcher in Library and Information Science, specializing in the integration of Artificial Intelligence into knowledge organization systems. My current work focuses on **Knowledge Graphs**, aiming to enhance information access, semantic interoperability, and smart retrieval across digital libraries and scholarly



aditiroynbu@gmail.  
com



<https://www.linkedin.com/in/rsaditi/>

## Strengths:

- Patience and flexibility with situations.
- Commitment to works.
- Positive approach to work.
- Strong Communication Skills.

## PHD THESIS:

Title

Supervisor with Designation

Usage of Controlled Vocabularies in Subject Mapping of Open Access Repositories	Supervisor- Dr. Saptarshi Ghosh Designation-Professor and HOD, DLIS, NBU
---	--

## MASTERS' DISSERTATION PAPER:

Title of the Dissertation

Supervisor with Designation

Digital Literacy of Farmers in Gram Panchayat Areas viz. Khoria, Mondalghat, Nandanpur(Boalmari) in Jalpaiguri District: A Study	Supervisor-Mr. Tapan Barui Designation-HOD, DLIS, NBU
--	---

## SEMINARS PAPER PRESENTED:

Sl. No	Title of The Seminar	Title
1	National Seminar on “Towards Theoretical uniformity in Library and Information Science”, 07-08 March,2019 Organized by Department of Library and Information Science, NBU	Intrigues of Information Retrieval quick glances on Theory and Practice
2	International Seminar on “Library Beyond Campus: Resurrecting Public Library services for the Generation Next” Organized by Universal Briefing, Jadavpur University	Interoperability between Open data and Open Science
3	National Seminar on “Inclusive Growth through Open and Distance learning: Strategies and Policy Perspectives for Higher Education”, Organized by CODE, NBU and MAKAIAS	Open and Distance Learning (ODL) and the Knowledge Society: Implementing Sustainable Development Goals (SDGs) for Holistic Education

## PUBLICATIONS:

### Journal Articles-

Sl. No.	Title	Journal Name
1	Web-based Prosodic Perspectives of Open Access Library and Information Science (LIS) Repositories in South Asia and East Asia	International Journal of Information Science and Management · July 2022 (Scopus Indexed)
2	Automated Subject Identification using the Universal Decimal Classification: The ANN Approach	Journal of Information and Knowledge, Vol 60(2), April 2023 (UGC-Care listed )
3	Scientometric Introspect of Digital Citizenship in Scopus Database From 1999 to 2022	International Journal of Information Science and Management, 2024, Vol. 22, No. 2,p. 123-137

4	Freedom Versus Standard in Article Keyword Generation: An Empirical Study	Journal of Library Metadata 2024, VOL. 24, NO. 4, p. 291–305
5	From chaos to clarity: how controlled vocabularies shape Indian social science repositories	The Electronic Library, 2025, Vol. 43 No. 2, pp. 154-173

### Type of Article- Invited article

Roy, Aditi (2024). *BERT-based Multilabel Classification for Information Professionals with KNIME: An Experimental Low-Code Implementation for Semi-Automated Bibliographic and Library Classification. Low Code for Advanced Data Science*, Medium. <https://medium.com/low-code-for-advanced-data-science/bert-based-multilabel-classification-for-information-professionals-with-knime-cf05fd3ad5>

### Conference Proceedings-

Sl. No	Conference Proceedings	Title
1	<b>“Rejuvenating Public Library Services Through Digital Reference Sources”</b> Organized by Department of Library and Information science, Jadavpur University	“An Analytical Discourse of Health Information System in North Bengal and Dissemination of Digital Information Through Public Libraries”
2	67 <sup>th</sup> ILA (Indian Library Association) International Conference on <b>“Open Access Sources and Information Services during Post-Covid Times: Challenges and Opportunities”</b> Organised by Dravidian University, Kuppam, Andhrapradesh	An Affirmative Approach of Evaluating Open Access Repositories in India
3	<b>CALIBER</b> International Conference on <b>“Envisioning Digital Transformation in Libraries for Nextgen Academic Landscape”</b> 17-19 November, 2022, Organised by Banaras Hindu University, UP	Managerial Cores in Open Science: Interpreting ‘Open’ With Library and Information Science
4	ETD 2023 Symposium, conference theme- <b>“Enriching ETDs and its Reach”</b> , organized by INFLIBNET center in association with The Networked Digital Library of Theses and Dissertations (NDLTD) from 26-28 October 2023	Metadata Quality Benchmarks of ETDs in International Institutional Repositories: An Automated Appraisal
5	International symposium titled <b>"Digital Libraries: Sustainable Development in Education"</b> organized by National Digital Library of India (NDLI) from 20-22 November 2023	Semantic Coupling of Scientific Literature using sBERT: An Enhanced Model for Systematic Literature Review

### WORKSHOP:

Sl. No.	Workshop Title
1	10- day Quality Improvement Program on Image Building and Reputation Management of Library and Information Sources and Services organized by IASLIC on online mode during May 15-24 2021
2	One Week National Workshop on Advanced Library Automation and Management held during 12-16 June,2023 via Online, organized by Bonglong Terang Central Library, Assam University, Diphu Campus
3	3 days Workshop Organized by the Centre for Distance and Online Education, University of North Bengal in collaboration with Commonwealth of Learning – Commonwealth Educational Media Centre for Asia on Capacity Building of Faculty Members on Open Educational Resources, 30 <sup>th</sup> May to 1 <sup>st</sup> June,2023 at NBU

## AWARDS & ACHIEVEMENTS:

- 1<sup>ST</sup> Class 1<sup>st</sup> in BLIS from North Bengal University.
- Awarded Late. Dr. Ajoy Ranjan Chakraborty Memorial Prize for securing First position in the Bachelor of Library and Information Science Examination, 2016.
- 1st Class 2nd in MLIS from North Bengal University.
- Qualified for **Junior Research Fellow** in NTA UGC NET DECEMBER 2019.
- **Awarded Best Paper at 7<sup>th</sup> Library and Technology Conclave 2023 organized by Ashoka University, Sonapat and Informatics Ltd., Bangalore**
- **Invited Speaker at Lecture Circus** organized by Levy Dental Medicine Library, **University of Pennsylvania** in online Mode.

I hereby declare, all the information given above is true to the best of my knowledge.

Signature:

*Aditi Roy*

Date: 17/06/2025