

# Sourjyadip Ray

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👤 Sourjyadip Ray

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## Education

### Indian Institute of Technology, Kharagpur

*MS (by Research) in Computer Science and Engineering*

*Aug 2022 - December 2025*

*(expected)*

- **GPA (Part A):** 7.95/10.0 (*20 credits based on Coursework, Comprehensive Viva-Voce and Seminars*)
- **GPA (Part B):** To be awarded after thesis defense (*70 credits based on Thesis and Defense*)
- **Relevant Coursework:** Deep Learning, Natural Language Processing, Information Retrieval, Reinforcement Learning
- **Advisor:** Dr. Pawan Goyal
- **Thesis Title (tentative):** Benchmarking and Evaluation of Long-form Multimodal Question Answering in Specialized Domains. (*to be submitted by December 2025*)

### SRM Institute of Science and Technology

*BTech in Computer Science and Engineering*

*Jun 2017 – May 2021*

- **GPA:** 9.03/10.0
- **Relevant Coursework:** Algorithm Design and Analysis, Computer Networks, Machine Learning, Data Science and Data Analytics, Computational Linguistics
- **Major Project Title:** Software Design and Development of a 6 DOF Remotely Operated Vehicle for Underwater Structural Inspection [Published Report ↗](#)

### La Martiniere, Calcutta

*Secondary and Higher Secondary School*

*Apr 2002 – Apr 2017*

- **Board Exams:** Secured 93.6% in ICSE (10th Grade) and 90.6% in ISC (12th Grade) under the Council For The Indian School Certificate Examinations (CISCE).

## Relevant Publications

### EduVidQA: Generating and Evaluating Long-form Answers to Student Questions based on Lecture Videos

EMNLP 2025 (Main)

*Sourjyadip Ray*, Shubham Sharma, Somak Aditya, Pawan Goyal  
[Paper ↗](#) [Code ↗](#)

### ERVQA: A Dataset to Benchmark the Readiness of Large Vision Language Models in Hospital Environments

EMNLP 2024 (Main)

*Sourjyadip Ray*, Kushal Gupta, Soumi Kundu, Payal Arvind Kasat, Somak Aditya, Pawan Goyal  
[Paper ↗](#) [Code ↗](#)

### SERPENT-VLM: Self-Refining Radiology Report Generation Using Vision Language Models

Clinical NLP Workshop (NAACL 2024)

M.N. Kapadnis, Sohan Patnaik, Abhilash Nandy, *Sourjyadip Ray*, Pawan Goyal, Debdoot Sheet  
[Paper ↗](#)

### Intent Identification and Entity Extraction for Healthcare Queries in Indic Languages

EACL 2023 (Findings)

Ankan Mullick, Ishani Mondal\*, *Sourjyadip Ray*\*, R. Raghav, G. Sai Chaitanya, Pawan Goyal  
[Paper ↗](#) [Code and Demo ↗](#)

## Experience

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### Project Officer (Research)

*The Sponsored Research & Industrial Consultancy (SRIC) Cell, IIT Kharagpur*

*Kharagpur, India  
July 2021 – Present*

- **Principal Investigators:** Dr. Pawan Goyal, Dr. Somak Aditya
- Worked on projects titled '**Voice based Natural Interaction for Goal Oriented Tasks in Healthcare'** and '**Using Large Language Models to Enhance Learning Efficiency and Student Engagement in Indian Education System**'.

### Research Intern

*Visual Information Processing Lab, IIT Kharagpur*

*Kharagpur, India  
June 2019*

- **Advisor:** Dr. Jayanta Mukhopadhyay
- Conducted a spatial comparison and psycho visual analysis between gaze data and saliency map data

## Positions of Responsibility

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- **Reviewer** for the following **ACL ARR Cycles**: *June 2024, October 2024, February 2025, May 2025*.
- **Student Volunteer** at **EMNLP 2024** and **EMNLP 2025**.
- **Teaching Assistant** for the following courses: **Social Computing CS60017** (*Autumn 2023, Autumn 2024, Autumn 2025*), **Deep Learning CS60010** (*Spring 2024, Spring 2025*), **Natural Language Processing CS60075** (*Spring 2023*) at IIT Kharagpur.
- Mentored more than 5 students at Indian Institute of Technology, Kharagpur, for their **Bachelors and Masters Thesis projects**.
- Mentored several students on their **research internship projects** at the [CNeRG Lab](#) at Indian Institute of Technology, Kharagpur.

## Awards and Achievements

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- **Honorable Mention** at the **ACM ICPC Asia Amritapuri Onsite Regionals 2019** among 2000+ participating teams.
- Selected to receive the **AI4ICPS Chanakya Fellowship** from AI4ICPS, IIT Kharagpur, among a pool of highly competitive graduate student applicants from the institute. [Scholarship Page](#)
- Qualified the **Graduate Aptitude Test in Engineering 2022 (GATE 2022)** in the Computer Science and Information Technology stream.
- Received **Graduate Travel Grants** at [IndoML 2023](#) and [IndoML 2024](#).
- Received the **Diversity and Inclusion Travel Grant** for [EMNLP 2024](#).

## Research Talks

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- Talk titled '**Social Computing in the Era of LLMs**' for the Social Computing CS60017 course at IIT Kharagpur. [Slides](#)
- Talk titled '**Social Computing in Online Medical and Healthcare Platforms**' for the Social Computing CS60017 course at IIT Kharagpur. [Slides](#)
- Talk titled '**Datasets and Challenges in Domain Specific Multimodal Question Answering**' at the **Workshop on Responsible AI** conducted by the CNeRG Lab at IIT Kharagpur. [Slides](#)