

OMPRAKASH CHAKRABORTY

Postdoctoral Fellow, École de technologie supérieure (ÉTS), Montréal, Canada

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RESEARCH INTERESTS

Computer Vision (Action Recognition, Domain Adaptation, Vision–Language Models), Deep Learning (Efficient Learning, Limited Labels, Limited Compute), Medical Imaging using MLLMs

EDUCATION

Indian Institute of Technology Kharagpur (IIT KGP) 2019 – 2024

Ph.D. in Artificial Intelligence

Thesis: *Efficient Deep Learning towards Visual Scene Understanding*

Advisor: Prof. Abir Das

Indian Institute of Technology Kharagpur (IIT KGP) 2015 – 2018

M.S. in Computer Science and Engineering, GPA: 9.44/10

Haldia Institute of Technology 2011 – 2015

B.Tech in Information Technology, GPA: 8.67/10

RESEARCH EXPERIENCE

Postdoctoral Fellow Jul 2025 – Present

École de technologie supérieure (ÉTS), Montréal, Canada

Supervisors: Prof. Ismail Ben Ayed and Prof. Jose Dolz

Fellowship: FRQnet PBEEEI Postdoctoral Fellowship

Research: Label-efficient learning, prompt-based adaptation for MLLMs, and segmentation in medical imaging (ophthalmology datasets such as ORIGA, REFUGE, SYSU).

Visiting Research Intern Aug 2023 – Dec 2023

King Abdullah University of Science and Technology (KAUST), with Prof. Bernard Ghanem

Efficient adaptation of Vision–Language Models under dynamic settings.

Junior Research Fellow 2015 – 2019

Department of Computer Science, Indian Institute of Technology Kharagpur

SELECTED PUBLICATIONS

- **O. Chakraborty**, A. Sahoo, R. Panda, A. Das. [XPL: A Cross-Model Framework for Semi-Supervised Prompt Learning in Vision-Language Models](#). *TMLR*, 2024.
- **O. Chakraborty**, A. Sahoo, R. Panda, A. Das. [AnyDA: Anytime Domain Adaptation](#). *ICLR*, 2023.
- **O. Chakraborty**, A. Singh, A. Varshney, R. Panda, R. Feris, K. Saenko, A. Das. [Semi-Supervised Action Recognition with Temporal Contrastive Learning](#). *CVPR*, 2021.
- **O. Chakraborty**, P. Mitra, S. K. Ghosh. [Multi-facilities based Road Network Analysis for Flood Hazard Management](#). *Journal of Spatial Science*, 2019.

AWARDS AND FELLOWSHIPS

- FRQnet PBEEEI Postdoctoral Fellowship (2025)
- Google PhD Fellowship (2023)
- Nasscom AI Gamechangers Award (2024)
- INSC Young Researcher Award (2023)

WORKSHOPS AND PROFESSIONAL SERVICE

- Organizer, *Dynamic Neural Networks Meets Computer Vision Workshop*, CVPR 2021, 2022.
- Reviewer for TMLR, IEEE TPAMI, NeurIPS, CVPR, ICLR, ICVGIP.

EXTRACURRICULAR

Medals in basketball and athletics; active in music and community participations such as anti-ragging initiatives.