NEELABJA ROY

— MS (by Research) graduate, Cognitive Science, Indian Institute of Technology Kanpur —

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About: aspires to explore the comparative aspects behind the emergence & persistence of complex social cognition

EDUCATION

Indian Institute of Technology, Kanpur   *August 2018 - October 2021*
Master of Science (by Research) - MS (by Research) Cognitive Science   *GPA: 9.44/10*
Thesis Title: Me & Them: Investigations into the Perceptual Generalisation of
Self-Referential Prioritisation - Guide: Dr Ark Verma & Dr Harish Karnick

Heritage Institute of Technology, Kolkata   *August 2014 - June 2018*
Bachelor of Technology, Computer Science and Engineering   *GPA: 7.78/10*

RESEARCH & WORK EXPERIENCE

+ Formal Professional Employment:
  Project Associate, Language and Cognition Lab, IIT Kanpur - (Jan '22 onwards)

  Analyst (State Team Lead, Strategic Research & Insights), IndianPAC Consulting - (Feb-Dec '21)
+ Ongoing Academic Collaborations with:
  Dr Christopher Krupenye, Psychological & Brain Sciences, Johns Hopkins University (May '22 -)

  Dr Urvaksh Mehta's lab, National Institute of Mental Health and Neurosciences India (Feb '22-)

  Dr Pragathi Balasubramani, Translational Neuroscience & Technology Lab, IIT-K (April '22-)
+ All Past Projects.
  Me & Them: Investigations into the Perceptual Generalisation of Self-Referential Prioritisation.
  MS(R) Thesis - Dr.Ark Verma & Dr.Harish Karnick, Cognitive Sciences, IIT Kanpur - Aug 2019 to Aug 2021

  Does Cooperation help? A Study in Agent Based Modeling (Project guide: Dr.Harish Karnick)

  Longitudinal Responses of Sense of Agency Scale in COVID-19 -India (May to Nov '20)

  Internet's Effect on Attention and Reading (Jan-Apr'19) (Course Project: Methods & Tools in Cog Sci)

  Self and Mother-Association Effects in an Indian sample (RA with Dr. Ark Verma)

  Using the Model of Motor Planning in Self to Recognise Motor Action in Others
  (Summer Research Fellowship Program-Indian Academy of Sciences 2016; CNCS, Dr Joby Joseph, India)

  Paleokymophony - A Novel Approach to Audio-Encryption Technique
  (Bachelor of Technology Final Year Project - HIT, Kolkata. Guide: Prof. Reshma Roychowdhury)

  Android Apps: Smart Vehicle Tracker & Integrated Pedometer (Summer Intern, Techsol Technologies)
+ Co-curricular.
  Innovation, Entrepreneurship and Economic Development (Intern 2017- NITI Aayog, Govt of India)

  "Social Inclusion, Digital Inclusion" (Dr.Somprakash Bandyopadhyay, Social Informatics, IIM Calcutta)

ACADEMIC PUBLICATIONS

+ Journal Submission.
  Roy N., Karnick H. & Verma A. Evidence for the Generalisation of the Self-Prioritization Effect based on
  Similarity (Submitted - under Review)
  Roy N., Karnick H. & Verma A.: More towards Self than Strangers: Differential Response Tendencies as
  evidenced in Online Approach Avoidance Task (submitted)

+ Published.
  (Acknowledged for Contribution- journal publication) Verma A, Jain A, Srinivasan N. Yes! I love my mother as
  much as myself: Self- and mother-association effects in an Indian sample. Quarterly Journal of Experimental
  Psychology. 2021;74(12):2210-2220. doi:10.1177/17470218211033118 [link]

  (Conference) Roy N., Karnick H. & Verma A. (2020). Evidence of Self Referential Prioritization on the basis of
  Visual Features: Attributing Salience to Rule - Learning. In S. Denison., M. Mack, Y. Xu,& B.C. Armstrong
  (Eds.), Proceedings of the 42nd Annual Conference of the Cognitive Science Society (p.1423). [Abstract link]

  (Conference) Neelabja Roy & Harish Karnick (2019), Does Cooperation help: A Study Based on Agent-Based
  Modelling, in the Sixth Annual Conference of the Association for Cognitive Science in India, ACCS. (p151)

CONFERENCES (PRESENTED WORK IN)

ICP 2021- The 32nd International Congress of Psychology, Prague   *July 2021*
Oral Presentation- Self-prioritisation as generalised to group-level effect

COGSCI 2020, Cognitive Science Society, Toronto Canada   *July 29 to Aug 1, 2020*
Presented my research poster at the conference; abstract published in proceedings

Annual Conference of Cognitive Science 2019, BITS Pilani, India -II   *December 2019*
Presented two posters: 'Generalisation of Self Reference Effect' and 'Does Cooperation Help?'

Annual Summer Research Symposium, TIFR, Center For Interdisciplinary Sciences   *July 2016*
Presented my poster on my summer research work

AWARDS AND GRANTS

  + Recipient of the Summer Research Fellowship 2016 grant of the Indian Academy of Sciences
  + Best Poster- Annual Summer Research Symposium 2016, Tata Institute of Fundamental Research
  + Selected to attend the prestigious undergraduate summer school of IISc, Bengaluru (2017)

SKILLS

Programming:	Python, R, C, C++, Java, MATLAB, Latex, Nengo, PyIBL, ACT-R, HTML-CSS, JS
Software:	Psychopy, OpenSesame, Pavlovia, Psytoolkit, Netlogo, SPSS, JASP, Arduino, Office
Techniques:	Psychophysical, EyeTracking, GSR, EEG, fMRI (DWI tractography), Computational
Soft Skills:	Leadership, Cross-collaboration, Project Management, Client Delivery
Languages:	Proficient in English, Bengali, Hindi, French (A1 Certified)
TOEFL Score:	**110** (Reading- 30, Listening- 29, Speaking- 25, Writing- 26) Test date: 02/02/2022

MAJOR COURSES TAKEN

Graduate:	Foundations of Cognitive Science, Neurobiology, Human Cognitive Processes, Methods & Tools- Cognitive Science, Computational Cognitive Science, Audit: Social Psychology, Evolutionary Game Dynamics, Philosophy of Mind
Undergraduate:	Computational Biology, AI, ML, Data Structure & Algorithm, Linear Algebra, Formal Language and Automata, Graph Theory, Electronics, Microcontrollers, Microprocessors, DBMS, Data Mining, Web Intelligence & Big Data, Social Network Analysis, Sys Admin

POSITIONS OF RESPONSIBILITY

Senate Masters Nominee, Academic Ethics Cell, Indian Institute of Technology Kanpur 2019-20.

Convener, Post Graduate Students' Affairs Council, Students' Gymkhana, IIT Kanpur 2019-20.

Director of Community Services 2016, Rotaract Club of HITK (June to Sep, 2016).

EXTRA-CURRICULAR AWARDS

Awarded the prestigious Teach for India Fellowship of 2018-20 (declined due to academic commitments).

Winner of Excellent teacher, Outstanding Rotaractor Award for Rotaract Heritage (2015-16)

Second Runners up in the Presidency National Parliamentary Debate Tournament