Nandini Bhattacharya

nandinib267@gmail.com | (+91)7410582289 | LinkedIn

Education

Ashoka University
BSc (Hons.) Psychology, Computer Science (Minor)
CGPA: 3.85/4

Honors and Awards

- University Honors: Magna cum Laude, 2024
- Academic Excellence Award in Psychology (2nd highest GPA at graduation), 2024
- Dean's List, 2022-2024
- Undergraduate Travel Award, 2023
- First Prize in Research Poster Presentation, Jindal School of Psychology and Counselling Student Research Conference, 2023

Skills

Programming: Python, R, Java, C, SML
Lab: Psychophysics, Neuropsychological Testing, Physiological Stress Assessments, Behavioral Coding and Analysis, Fish behavior.
Computational: Bayesian inference, Simulations, Model fitting/selection, Dynamical Systems, ML algorithms
Software: Jamovi, JASP, Stata, PsychoPy, ScikitLearn, Qualtrics, Google Workspace, RSpace, Adobe Creative Suite, Microsoft Suite

Research Experience

Research Assistant, Neuroethology Lab, Ashoka University   September 2022 - Present
Advisor: Dr Bittu R (PhD, Harvard University)
Topic: Rationality in Collective Decision Making in Zebrafish
Designed behavioral experiments and analysis models to understand emergence of rationality in Zebrafish (*Danio rerio*) behavior with increasing group size. Currently engaged in data analysis.

Research Assistant, Ghosh Research Lab, Ashoka University   July 2023 - May 2024
Advisor: Dr Simantini Ghosh (PhD, University of Rochester)
Topic: Conceptualising Interpersonal Violence in India using the Complex Trauma Theory as a framework
Assisted with the creation of the interview schedule, literature review, and adapted various scales to fit the research paradigm.

Research Assistant, Child Development Lab   November 2021 - March 2023
Advisor: Dr Madhavi Maganti (PhD, Osmania University)
Topic: Multilingual Assessment Instrument for Narratives in Indian Bilingual Children to understand normal language development.
Managed the data collection process and conducted structured interviews with children aged 5-9.

Presentations and Posters

Sen, M., **Bhattacharya, N.,** Singh A., Sinha Stuti A., Jain M., Prakash U., Kautavarapu R., Rajvanshi S., Mitra S., Ghosh, S. *Conceptualising Interpersonal Violence in India using the Complex Trauma Theory as a framework*. Student Research Conference, Jindal School of Psychology and Counselling, Sonipat, conference poster: 2023

Bhattacharya N., Duttagupta M., Singh A., Rajaraman, B. *Rationality in Collective Decision Making in Zebrafish*. Student Undergraduate Research Conference, Azim Premji University, Bangalore, conference poster: 2023

Bhattacharya N., Singh A., Rajaraman, B. *Rationality in Collective Decision Making in Zebrafish.* Animal Behaviour Live, video poster: 2023

Ghosh, S., Sen, M., **Bhattacharya N.**, Mehra A., Sinha Stuti A., Duttagupta A., Malik A., Tantiya D., Jain M., Prakash U., Tselha T., Bhangaonkar S., Kautavarapu R., Khue N, Rajvanshi S. *Conceptualising Interpersonal Violence in India using the Complex Trauma Theory as a framework.* International Trauma Conference, Boston, presentation: 2024

Teaching Experience

- **Teaching Assistant,** PSY-2031: Developmental Psychology. [Feedback](#).   Jan 2024 - May 2024
- **Computer Science Teacher,** Lion's Balsadan Orphanage, Aurangabad   Aug 2021-Oct 2023

Extracurricular and Leadership Activities

Counseling Intern, Vandrevala Foundation   June 2024 - Present
- Providing crisis debriefing, suicide prevention services, assisting clients with psychological and emotional crises, and developing individualised safety plans based on assessments and client goals.
- Attending regular in-house training sessions to enhance clinical skills and stay updated with developments in mental health care.

Helpdesk Mentor, Psychology Society   August 2023 - Present
- Conducted regular office hours providing guidance and support to students navigating their psychology coursework at Ashoka University.
- Assisted individuals in clarifying course trajectories, addressing academic queries, and resolving course-related doubts, fostering a conducive learning environment within the society.

Co-Head of Events Department, Women in Computing Society   July 2023 - May 2024
- Led a team to plan and implement events aimed at fostering engagement and professional development in the STEM community at Ashoka University.
- Led the organization of WiCS' flagship event, a Cryptic Hunt that saw the participation of over 200 people including current students and alumni.

Head of Multimedia and Marketing, Kalinga Magazine   January 2023 - January 2024
- Led a team of 15 individuals, overseeing all club activities and ensuring seamless operations.
- Raised Rs 7000 in 3 hours in a fundraiser for Bhumi, an organization supporting early education and health.

Various Roles, Office of Learning Support, Ashoka University
Event Volunteer   August 2023
- Worked as a logistics volunteer for the 'Future of Disability in Higher education' Conclave organized by the Office of Learning Support at Ashoka University.

Notetaker, PSY- 2031: Developmental Psychology   August 2023 - December 2023
- Worked with the Office of Learning Support as a notetaker for a classmate. Tasked with sharing notes, organizing regular meetings, and tutoring classmate when required and aided with course-related logistics.

Certifications

Computational Neuroscience, Neuromatch Academy   July 2023