

Arpita Ghosh

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Education

Post Graduate Diploma in Advanced Studies and Research (Psychology) <i>Ashoka University, Sonipat, India.</i>	<i>2023-2024</i> <i>GPA -/4.00</i>
Advisor: Prof. Bittu Kaveri Rajaram; Working on a thesis exploring the Metabolic Advantages of Depressive Behaviour in Zebrafish (<i>Danio rerio</i>).	
Bachelors of Science (Honours) in Psychology <i>Ashoka University, Sonipat, India.</i>	<i>2022-2023</i> <i>GPA 3.92/4.00</i>
Advisor: Prof. Bittu Kaveri Rajaraman and Prof. Madhavilatha Maganti. (<i>Summa Cum Laude</i>)	
High School Diploma <i>Akshar School, Kolkata, India</i> Head Girl and valedictorian.	<i>2019</i> <i>92.25%</i>
Junior High School Diploma <i>Akshar School, Kolkata, India</i> House Captain and valedictorian.	<i>2017</i> <i>94%</i>

Research and Work Experience

Undergraduate Researcher <i>Neuroethology Laboratory, Ashoka University.</i> Capstone Thesis Project (Advisor: Dr. Bittu K. Rajaraman) Investigating the clinical correlates of depressive symptoms in Zebrafish focusing on its ecological advantage. Depression was induced using social and pharmacological interventions. A standardised protocol was designed for measuring various variables - metabolic rate, reproductive rate, and movement rate - pre and post intervention. Presented the work at national and international conferences. Summer Research Project: Examined the numerical cognition in Zebrafish (<i>Danio rerio</i>) over the summers. Involved in the process of data collection and statistical data analysis as a part of a team.	<i>May 2022 - Present</i> <i>Sonipat, India</i>
Publication Co-authored a paper on the Symbolic quantitative cognition in wild zebrafish (<i>Danio rerio</i>) (Under Review) Corresponding Author: Dr. Bittu K Rajaraman Journal: Animal Behavior Journal — DOI: 10.1101/2022.03.17.484678	
Research Assistant <i>Banyan Academy of Leadership in Mental Health</i> Supported ongoing research studies by transcribing interview recordings and assisting with thematic analysis. Helped build educational modules for diploma course and capacity-building programs on vulnerable children. Conceptualised session plans and activities for conducting group sessions for children of parents with mental illness.	<i>May 2023-Present</i> <i>Chennai, India</i>
Research Assistant <i>Infant and Child Development Psychology Laboratory, Ashoka University</i> Working with Dr. Madhavilatha Maganti-Kari on a research project studying play behaviour of children with autism spectrum disorder (ASD). Involved in developing the feature sets from the Four-fold Framework to identify and code for specific patterns in the play behavior of children with ASD. Participated in data collection and data analysis.	<i>March 2022- Present</i> <i>Sonipat, India</i>
Research Volunteer <i>Clinical Psychology: Ghosh Research Group</i> Working with Dr. Simantini Ghosh on a research project investigating self-efficacy and locus of control in women who have faced intimate partner violence through a mixed-methods approach. Involved in study strategizing, study design, questionnaire formulation and literature review for the same.	<i>April 2022-Present</i> <i>Sonipat, India</i>

Teaching

FC-0503: Mind Behaviour by Prof. Bittu K Rajaraman <i>Department of Psychology, Ashoka University</i>	<i>Aug 2023 - Present</i> <i>Sonipat, India</i>
PSY-2041: Clinical Psychology by Prof. Simantini Ghosh <i>Department of Psychology, Ashoka University</i>	<i>Aug 2023 - Present</i> <i>Sonipat, India</i>

PSY-2011: Introduction to Neuroscience by Prof. Bittu K Rajaraman

Department of Psychology, Ashoka University

Aug 2023 - Present

Sonipat, India

Psychology Tutor

Psychology Society, Ashoka University

Aug 2023 - Present

Sonipat, India

Conference Presentations

- (Talk) **37th Conference of the International Council of Ethologists: Behaviour 2023.** *Universität Bielefeld, Germany.* August 2023
- (Poster) **Understanding Behaviour 2023.**, *Indian Institute of Science Education and Research (IISER), Kolkata.* June 2023
- (Talk) **No Garland Neuroscience 2023.** *Indian Institute of Science Education and Research (IISER), Pune.* February 2023
- (Poster) **9th Annual Research Conference of Cognitive Science.** *Indian Institute of Technology (IIT), Delhi.* December 2022

Awards and Accomplishments

Student Travel Grant, 2023 | *Ashoka University Centre for Supporting Students*

Received a travel and conference grant to participate and attend the the 37th Conference of the International Council of Ethologists: Behaviour 2023 in Bielefeld, Germany

Academic Excellence Award, 2023 | *Ashoka University*

Graduated Summa Cum Laude from Ashoka University- BSc. Psychology Honours.

Dean's List, 2020-2023 | *Ashoka University*

Recognized in the Dean's list in every semester for maintaining a high CGPA.

Prabhat Samman Award, 2019 | *Akshar School*

Received the Prabhat Samman Award for distinguished performance in school for 12th grade board examinations and excellence in leadership and co-curricular activities.

All Round Achievement and Academic Excellence Award, 2012-2019 | *Akshar School*

Awarded the position of a valedictorian for every consecutive year.

Duke of Edinburgh's Award, 2017 | *International Award for Young People (IAYP)*

Received the Bronze award for the IAYP program after excelling in the assigned tasks.

Rajpal Khullar Memorial Award, 2017 | *Akshar School*

Received the Rajpal Khullar memorial award for topping the school in 10th Grade board examination.

Courses and Certifications

- **Positive Psychiatry and Mental Health (Non-Credit certified course), 2020** | *University of Sydney*
Completed the course to gain understanding about positive psychiatry and its importance in mental health.
- **Psychological First Aid (Non-Credit certified course), 2020** | *Johns Hopkins University*
Mastered the fundamentals of psychological first aid and learnt the practicality of the branch in real life

Volunteer Experience

- **National Conclave: The Future of Disability Inclusion in Higher Education, 2023**
Part of the organizing team, involved with logistics, event management and guest engagement at the conclave.
- **International Olympics Day, 2023**
Assisted the event management team for the sports events held. Provided physical and emotional support to differently abled children, and their parents.
- **Peer Mentor: Office of Learning Support, Ashoka University, 2021**
Mentored students by providing one-to-one guidance to deal with the challenges they faced throughout their semester.
- **School on Wheels, 2019**
Taught and interacted with disadvantaged children living on the streets of Calcutta in a classroom with a bus.
- **Little Sisters of the Poor, 2017**
Helped the workers there serve food to everyone present and assisted in cleaning the housing facilities for the aged.

Key Skills

Research Skills: systematic literature review, peer review, quantitative and quantitative (thematic analysis) research techniques, animal handling, conducting, and designing surveys and interviews, formulating clinical case-histories.

Data Analysis: Python, BORIS, DeepLabCut, JMOVI, JASP