Arpita Ghosh

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Education

Post Graduate Diploma in Advanced Studies and Research (Psychology) *2023-2024*
Ashoka University. Sonipat, India. *GPA –/4.00*
Advisor: Prof. Bittu Kaveri Rajaram; Working on a thesis exploring the Metabolic Advantages of Depressive Behaviour in Zebrafish (Danio rerio).

Bachelors of Science (Honours) in Psychology *2022-2023*
Ashoka University. Sonipat, India. *GPA 3.92/4.00*
Advisor: Prof. Bittu Kaveri Rajaraman and Prof. Madhavilatha Maganti. *(Summa Cum Laude)*

High School Diploma *2019*
Akshar School, Kolkata, India *92.25%*
Head Girl and valedictorian.

JuniorHigh School Diploma *2017*
Akshar School, Kolkata, India *94%*
House Captain and valedictorian.

Research and Work Experience

Undergraduate Researcher *May 2022 - Present*
Neuroethology Laboratory, Ashoka University. *Sonipat, India*
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 (Danio rerio) over the summers. Involved in the process of data collection and statistical data analysis as a part of a team.

Publication
Co-authored a paper on the Symbolic quantitative cognition in wild zebrafish (Danio rerio) | (Under Review) Corresponding Author: Dr. Bittu K Rajaraman
Journal: Animal Behavior Journal — DOI: 10.1101/2022.03.17.484678

Research Assistant *May 2023-Present*
Banyan Academy of Leadership in Mental Health Chennai, India
Conducted systematic literature review and data extraction for a project investigating the relation between parental mental health and its impacts on children. Helped build educational modules for diploma course focused and capacity-building programs on vulnerable children. Conceptualised session plans and activities for conducting group sessions for children of parents with mental illness.

Research Assistant *March 2022- Present*
Infant and Child Development Psychology Laboratory, Ashoka University Sonipat, India
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.

Research Volunteer *April 2022-Present*
Clinical Psychology: Ghosh Research Group Sonipat, India
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.

Teaching Experience

FC-0503: Mind Behaviour by Prof. Bittu K Rajaraman *Aug 2023 - Present*
Department of Psychology, Ashoka University *Sonipat, India*

PSY-2041: Clinical Psychology by Prof. Simantini Ghosh *Aug 2022 - Dec 2022*
Department of Psychology, Ashoka University *Sonipat, India*

PSY-2011: Introduction to Neuroscience by Prof. Bittu K Rajaraman
Department of Psychology, Ashoka University

Jan 2022 - June 2022
Sonipat, India

Psychology Tutor
Psychology Society, Ashoka University

Jan 2022 - 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