

# Curriculum Vitae

Doctor of Philosophy in Education and Psychology

## Shruti Jindal

*Research Associate*

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🌐 : [Personal Portfolio](#)

## Research Experience

### *University of Sydney*

*Mar 2022 - Till date*

**Position:** Research Associate, School of Public Health

**Role:** Collaborating with [Dr. Sabrina Pit](#), [Dr. Hamiduzzaman](#), and a team of doctors, on projects focused on the challenges and implications of employment for individuals living with dementia in workplace settings. My contributions included data curation, visualization, formal analysis, writing – original draft, and writing – review & editing.

**Tools Used:** NVivo, Power BI, Overleaf, Mendeley

**Outcome:** Out of six projects, two have been published (1, 2), while the remaining four are submitted and currently under review.

### *Tata Institute of Fundamental Research* *May 2021 - Jul 2023*

**Position:** Research Associate, Learning Sciences Research Group

**Role:** Worked with [Dr. Mukesh Makwana](#), Brown University to investigate the role of attention in reading Academic language using the Navon task by constructing a system [simulation](#) using Psytoolkit to test an analytical framework.

**Tools Used:** CSS, HTML, Psytoolkit, PsychoPy

**Outcome:** The research was presented at the CogSci 2023 conference in Sydney and has been published in the proceedings, contributing to the academic discourse on language and scientific thinking. [Published Paper](#)

### *University of California Los Angeles* *Mar 2018 - Sept 2023*

**Position:** Research Associate, Bjork Learning and Forgetting Lab

**Role:** Worked with [Professor Robert Bjork](#) in all phases of the research process, from conceptualizing the experimental design and conducting literature reviews to data collection, analysis, and manuscript preparation. The study focused on testing a retrieval-based method for effective learning.

**Tools Used:** Microsoft Excel, Microsoft Clipchamp, SPSS

**Outcome:** The project is currently under peer review and aims to fill a critical gap in the literature.

### *Sri Sri Institute for Advanced Research (SSIAR, India), Indraprastha Institute of Information Technology, Delhi (IIIT-D)* *Dec 2017 - Jan 2019*

**Position:** Research Assistant, IIIT Delhi, Department of Computer Science Engineering

**Role:** Worked under guidance of [Dr. Vaibhav Tripathi](#), IIIT Delhi (now at Harvard University), and Divya Kanchibhotla, Executive Director, SSIAR, on a project examining the effect of the Art of Living Intuition Program on children's cognition and intuition. Conducted the pilot of paper-based tasks and captured the results.

**Outcome:** The paper was published, and the pilot results led to the execution of the main study. [Link to the paper.](#)

## Skills

- **Experimental Design and Software (H):** Implemented tailored designs using PsychoPy and Psytoolkit
- **Coding (B):** SQL, Python, HTML, CSS, LaTeX (E)
- **Data Analysis (E):** MS Excel, QDA Miner, NVivo
- **Other Skills (E):** Data Training (Data Curation, Annotation, Prompt Development), NLP Data Labeling, Response Evaluation, and User Interaction Analysis

\*Note (Level of Proficiency):

\*B- Basic

\*H- High

\*E- Expert

# Publication and Presentation

## Publication

- **Jindal, S.**, & Hamiduzzaman, M. (Manuscript accepted, not published). Last hired, first fired: Stereotype-based challenges faced by elderly workforce under young managers during COVID-19. *Frontiers in Sociology*.
- Salve, J., Khosla, K., **Jindal, S.**, Chandroth, A., Makwana, M., & Chandrasekharan, S. (2023). [Attention in the mind's eye](#): using the Navon attention task to track the way the grammatical structure of text passages modulate mental simulation of perspective. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 45.
- Hamiduzzaman, M., Gaffney, H., **Jindal, S.**, Patra, M., Gudur, R., Pit, S., & Rahman, M. (2024). [Virtual Healthcare for Older Adults with Preventable Chronic Conditions: A Meta-synthesis of Quality Aspects](#). *Journal of Applied Gerontology*.
- Hamiduzzaman, M., McLennan, V., Nisbet, G., **Jindal, S.**, Miles, S., Crook, S., Nelson, K., Williams, C., & Flood, V. (under review). Impact of allied health student placements for older clients' health and wellbeing in primary healthcare settings: a systematic integrative review. *BMC Health Services Research*.
- Hamiduzzaman, M., **Jindal, S.**, Gaffney, H., Patra, M., Gudur, R., Pit, S., & Rahman, M. (under review). Approaches and Behaviours in Accessing Virtual Care among Older Adults with Preventable Chronic Diseases: A Meta-Synthesis of Capability, Opportunity, and Motivation. *Patient Education and Counseling*.
- Hamiduzzaman, M., **Jindal, S.**, Gaffney, H., Patra, M., Gudur, R., Pit, S., & Rahman, M. (under review). Partnerships with Consumers: Review of Patient Engagement Strategies in Virtual Care Interventions with Older Patients with Preventable Chronic Conditions. *Patient Education and Counseling*.
- **Jindal, S.**, & Hamiduzzaman, M. (under review). Achieving family-integrated care: Review of integration approaches in prevention and management for older patients with mental health and neurodegenerative conditions. *BMJ Open*.
- **Jindal, S.**, & Bjork, R. A. (under review). Enhancing Memory Encoding for Improved Retrieval: Investigating the Effects of Series and Simultaneous Presentations on Recall Performance.

## Editorial Contributions

[Mind & Music: Demystifying Thumri Maestros](#) | MLBD Publications

Contributed to book development through interview transcription, thematic analysis, content organization, literature review, and editing (proofreading and copy-editing) to enhance manuscript clarity.

## Poster Presentation

Salve, J., Khosla, K., **Jindal, S.**, Chandroth, A., Makwana, M., & Chandrasekharan, S. (2023). [Attention in the mind's eye](#): using the Navon attention task to track the way the grammatical structure of text passages modulate the mental simulation of perspective. *CogSci 2023*, Sydney, AU.

**Jindal, S.**, Pit, S., & Hamiduzzaman, M. (2024). [Whispered struggles in the workplace](#): A scoping review of cognitive and interpersonal challenges and organizational strategies for employees living with dementia. *Alzheimer's Association International Conference (AAIC)*, Philadelphia, USA.

## Media Coverage

- [Mummy, My Phone is Not a Cause of My Anxiety](#). Rising Kashmir. Oct 8, 2022
- [Eliminating Ageism-Based Mental Health Concerns Among Older Workers in an Organizational Setting](#). Rising Kashmir. Oct 15, 2022

# Education

- **Jamia Millia Islamia University (JMI), New Delhi, India**

– **M.A. in Applied Psychology**

2020 – 2022

\* Minor: Computer Science Engineering

\* Cumulative GPA: **8.96/10**

\* US Equivalent GPA: **3.94/4.0**<sup>1</sup>

\* Achievement(s): Top 1% among cohort of 50 students in the Organizational Specialization

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<sup>1</sup>US Equivalent GPA calculated using [Scholaro Premium Services](#).

- **Jamia Millia Islamia University, New Delhi, India**

- **B.A.(Honors) in Psychology**

2016 – 2019

- \* Minor: Engineering Mathematics
    - \* Cumulative GPA: **8.75/10**
    - \* US Equivalent GPA: **3.87/4.0**<sup>1</sup>
    - \* Achievement(s):
      - Twice awarded (Merit and Central) scholarship by JMI (Class Rank 2)
      - Top 3% of my cohort consisting of around 50 students

## Professional Experience

### Scale Labs, Soul AI, New Delhi

Oct 2023 - Present

#### *Prompt Engineer*

- Developing and refining prompts to enhance the performance and reliability of machine learning models, ensuring alignment with predefined academic and ethical standards to optimize Gen AI model outputs.

### EduMentor Educational Pvt. Ltd., New Delhi

April 2023 - June 2023

#### *Visiting Faculty, Psychology*

- Prepared students for CUET (Central Universities Common Entrance Test) for undergraduate exams by creating study materials, delivering engaging lectures, providing doubt resolution, and offering exam strategies.

### RUFA Educational Services, New Delhi

Jan 2023 - May 2023

#### *Visiting Lecturer, Psychology*

- Prepared students for CUET for Master's exams. Responsibilities include delivering lectures, conducting seminars, and assessing student progress.

### Mount Abu Public School, New Delhi

Oct 2022 - March 2023

#### *Post Graduate Teacher, Psychology*

- Provided instruction and guidance to senior school students in various aspects of psychology, including theories, concepts, research methods, and practical applications for their senior secondary board exams.

## Relevant Courses Taken

**Highly Relevant:** Cognitive Psychology, Research Methods, Experimental Psychology, Advanced Statistics, Psychometric, Physiological Psychology.

**Moderately Relevant:** Developmental Psychology, Social Psychology, Guidance & Counseling, Rehabilitation Psychology, Peace Psychology, Psychopathology.

**Less Relevant:** Data Mining & Analytics, Machine Learning, Deep Learning, Engineering Mathematics, Organizational Behavior.

## Accomplishments

### *Competitive Exams and Entrances*

- Among the 653,000 candidates who appeared for GATE (Graduate Aptitude Test in Engineering), I was in the top 18 percent who qualified, securing All India Rank 68 in Psychology. 2024
- All India Rank 3 in the entrance exam for the admission in M. Sc. Psychology at University of Allahabad, one of India's best universities in Cognitive and Behavioral Sciences. 2020
- All India Rank 27 in the entrance exam for the admission in M.A. Applied Psychology at Jamia Millia Islamia University, ranked 3rd among all universities in the country in rankings released by the NIRF, Ministry of Education of India 2023. 2020

### *International Forums like MUN*

- Selected as a Good Health & Well-Being and Quality Education Delegate at the 22nd Session of The Youth Assembly Conference, New York City. July 2018
- Selected as a Health and Social Policy Delegate at The Harvard Project for Asian and International Relations 2018 Conference at Harvard University, USA. Feb 2018

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<sup>1</sup>US Equivalent GPA calculated using [Scholaro Premium Services](#).

## Others

- Ranked 2nd in the German Language Learning Advanced Level course at Y.W.C.A. of Delhi. 2016
- Conferred with the Dean's Award for All-Around Excellence in Academics, Research, and Extracurricular Involvement by Trinity Institute of Professional Studies. 2014

## Other Certifications

- Qualified GATE (Graduate Aptitude Test in Engineering) exam in Psychology. 2024, 2023
- Advanced Diploma in German Language (A2 Level) 2016
- Advanced Diploma in Early Childhood Care and Education 2014

## Outreach Experience

**Art of Living, International Association for Human Value, WHO, India** Jan 2017 - Jul 2017  
*Social Work and Community Development Intern*

- Raised 20 Lakhs INR for Okhla Slum development.
- Conducted campaigns on skill training and social issues, benefiting 500 residents.
- Taught STEM and Arts to children aged 6-12 years in the slum.

**Tihar Prisons, Mental Health Foundation India, India** Apr 2018 - Jul 2018  
*Medical Intern*

- Developed a self-regulation module, improving mental health in 65% of inmates.
- Identified and reported 250 cases of mental health issues using WHO-approved procedures.

## Leadership and Community Engagement

**Key Member, Sponsorship Committee** Oct 2017  
*TEDxJMI 2017, Jamia Millia Islamia, New Delhi*

- Spearheaded sponsorship drives as one of only six committee members, successfully securing 10 Lakh (INR) in funding to facilitate a landmark event.

**Chief Event Manager** 2014  
*EL-VEDA Annual Fest, Trinity Institute of Professional Studies, New Delhi, India*

- Conceived and executed a diverse range of events, significantly enriching the educational and social experience for undergraduates in the Delhi NCR region.

## Extra-Curricular Activities

**Core Team Member, Psytalk.io** In Progress

*Role:* Actively involved in the development of an innovative platform aimed at democratizing mental health care. Our tool, "RAB", is named in honor of Dr. Robert Allen Bjork, whose invaluable contributions have significantly shaped my research career. The platform aims to offer basic mental health diagnoses for as low as 10 cents and provide free support through artificial intelligence.

**Co-Founder, 4 You.. Wedding and Gourmet Gift Store** Sept 2020 - Dec 2021

*Role:* Spearheaded the establishment and operation of an offline store specializing in weddings and gourmet gifts. Crafted compelling sales pitches and forged sustainable business relationships to solidify the brand's presence in an emerging market.

## References

### Professor Robert A. Bjork

Distinguished Research Professor,  
University of California Los Angeles  
Email: [rabjork@psych.ucla.edu](mailto:rabjork@psych.ucla.edu)

### Dr. Mukesh Makwana

Post Doctoral Fellow,  
Brown University  
Email: [mukesh\\_makwana@brown.edu](mailto:mukesh_makwana@brown.edu)

### Dr. Vaibhav Tripathi

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Harvard University  
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### Dr. Mohammad Hamiduzzaman

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