

# CURRICULUM VITAE

## MRUDULA ARUNKUMAR

5<sup>th</sup> June 1995 | [mrudula.arunkumar@uni-jena.de](mailto:mrudula.arunkumar@uni-jena.de) | +49 3641 945111(Office) | <http://www.allgpsy2.uni-jena.de/staff.php?surname=arunkumar> |

### EDUCATION

#### CURRENT:

- **PhD Candidate (Cognitive Psychology)** 2019-2022  
DFG Project (Research Unit 2790):  
*Binding and Retrieval in Action Control*  
Friedrich-Schiller University Jena  
Germany

#### COMPLETED:

- **Research master Graduate in Cognitive Neuroscience (Specialization in Language and communication)** 2016-2018  
CGPA(10 point scale): 7.5  
Radboud University, Nijmegen, The Netherlands  
Some of the courses:
  - Neuroimaging methods
  - Using & Acquiring Multiple Languages
  - Communication in Cognitive Neuroscience
  - Neurobiology of Language
- **B.Sc Psychology** First class distinction  
*Madras School of Social Work, Chennai, INDIA.* 2013 - 2016  
CGPA: 8.5
- **Higher Secondary School** Class : XII (2011-2013)  
Chinmaya Vidyalaya Higher Secondary School 97.4%  
Virugambakkam, Chennai, INDIA  
Class : X (2002-2011)  
Chinmaya Vidyalaya Senior Secondary School, CGPA : 10  
Virugambakkam  
Chennai, INDIA

### WORK EXPERIENCE

- **Research Assistant: Cultural Brain Group** SEP 2018 – OCT 2019  
Psychology of Language Department  
Max Planck Institute for Psycholinguistics, Nijmegen,  
The Netherlands  
Tasks:
  - On field Data Collection
  - Designing Experiments
- **Student research assistantship at the LAMED neurosciences** working on the project "Cryptophasia" AUG 2015 – AUG 2016  
Chennai, India

## RESEARCH INTERESTS

Cognitive Psychology | Stimulus-Response Bindings and connection to Learning | Language Processing | Music Cognition| Cultural influence on cognitive abilities

## SKILLS, ABILITIES & CREDENTIALS

### **Publications**

1. Fernandes, T., **Arunkumar, M.**, Huettig, F. (2021) The role of the written script in shaping mirror-image discrimination: Evidence from illiterate, Tamil literate and Tamil-Latin alphabet bi literate adults, *Cognition, Volume 206*. <https://doi.org/10.1016/j.cognition.2020.104493>
2. Van Paridon, J., Ostarek, M., **Arunkumar, M.**, & Huettig, F. (Accepted) Does neuronal recycling result in destructive competition? The influence of learning to read on the recognition of faces. *Psychological Science*.
3. **Arunkumar, M.**, & Sadakata, M. (2019). Relationship Between Language and Music Processing: I Cross Linguistic Influence on Rhythmic and Melodic Perception. *Proceedings of the Masters Progr Neuroscience*
4. Giridhar, V., **Arunkumar, M.**, & Vijayabanu, U. (2015) Religiosity and Perceived Stress. *International Journal of Psychology and Education 2(11/2)*. ISSN: 2321-8606
5. Magesh, P., Giridhar, V., **Arunkumar, M.**, & Phebe, S.K., (2015) *Irrational Beliefs, Attachment Style & Marital Adjustment among Married couples across Religions. Humanities and Social Science Studies, 4(2)*. ISSN 2319-829X

### **Presentations**

1. Speaker at the A-Dok on “Overshadowing in Binding and Contingency learning” held from 24<sup>th</sup> to 26<sup>th</sup> July 2020 ONLINE
2. Accepted talk at the Symposium “Binding and Retrieval in action Control” at the TEAP 2020 at the Friedrich-Schiller University in Jena. *Conference Cancelled*
3. Speaker Presentation on “Overshadowing in Stimulus Response Binding and Contingency learning” at the Learning and Memory PhD Symposium held at TU Kaiserslautern in March 2020.
4. Student Speaker Presentation on “Influence of linguistic background on musical perception” at the Synapsium2018 conducted in June 2018 at Radboud University, Nijmegen, The Netherlands.
5. Speaker presentation on “Effect of Linguistic Background on Musical Perception: English and Finnish Speakers” for the SMART Cognitive Science Conference in Amsterdam on December 7<sup>th</sup> 2017.
6. Presented a poster titled “Investigating Cryptophasia to understand language development in Twins: A Pilot Study” at the Many Paths to Language (MPaL) Conference at the Max Planck Institute for Psycholinguistics, Nijmegen in October 2017
7. Presented a poster titled “Exploring Cryptophasia to understand language acquisition in twins” at the Younger Researchers’ international conference for Cognitive Science at University of Hyderabad in March 2016.
8. Presented research paper titled “Religiosity and Perceived Stress” at “*Bio-Psycho Social Well-Being*” conference conducted by Sri Ramachandra Medical College, Chennai in February 2015
9. Presented a Paper on “*Relationship between Irrational Beliefs, Attachment Styles and Marital Adjustment across three religions in India*” in a National Paper Presentation competition for Young Psychologists conducted by Christ University, Bangalore in December 2014 and finished as one of the top 10 presenters amongst a group of over 100 participants across India.

### **Conferences & Workshops**

1. Attended a 2-day workshop on “Professional Networks with Social media” organized by the Graduate Academy of FSU Jena in July 2020
2. Attended the IMPRS conference 2020 on Language and Memory organized by the MPI for psycholinguistics in June 2020
3. Attended the Donders Sessions Conference organized by the Donders Institute on September 30<sup>th</sup> and October 1<sup>st</sup> 2019
4. Attended Introduction to Python Course conducted by IMPRS for Language Sciences in Nijmegen from October 2018 – January 2019.
5. Attended a 3-day workshop on “Presentation” at the Donders Institute in October 2018 in Nijmegen.
6. Attended a Spring School “Language Music and Cognition” in Cologne, Germany from 26<sup>th</sup> February 2018 to 2<sup>nd</sup> March 2018.
7. Attended a 3-day Conference on Many Paths to Language conducted by the Max Planck Institute for psycholinguistics, Nijmegen in October 2017.
8. Attended a 3-day workshop on Cognitive Behavioural Therapy conducted by Mithra Assessment of Psychological Services (MAPS) in May 2016.
9. Attended a one-day skill-based workshop on “Research Methods” by LAMED Neurosciences and Department of Psychology, Madras School of Social Work in September 2015.
10. Completed an online certificate course on “Dog Emotion and Cognition” from the Duke University conducted by Coursera in September 2015.
11. Completed an online certificate course on “Language and Mind” conducted by NPTEL along with IIT Madras in April 2015.

### **Programming and Software Skills**

1. Intermediate skills in R Programming (R, R Markdown)
2. Basic knowledge in Python
3. Experience in softwares such as PSychoPy, E-Prime, ELAN and Praat

### **Field Work Experience**

1. Conducted Field work in Chennai, INDIA from December 2018 to March 2019. Collected behavioural data of close to 100 participants (illiterates, literates and low literates).
2. Field work visit to Chennai in June 2019 to carry out an experiment on auditory segmentation skills among illiterates and literates.

### **Scholarships**

Received the Holland Scholarship worth 5000 Euros in 2016 for higher education in Netherlands

## **ROLES & RESPONSIBILITIES**

1. Student Assistant (Public Relations) for the Cognitive Neuroscience Research Masters of Radboud University Nijmegen from 2017- 2018
2. Senior Subeditor of the CNS Journal (Proceeding’s of the Master’s programme Cognitive Neuroscience) for the years 2016-2018
3. Cultural Secretary of Chinmaya Vidyalaya Higher Secondary School from 2011-2013

## **LANGUAGES**

- Tamil (Native Language)
- English - IELTS – Band Score 8.0; Grade – C1 (January 2016)
- French - DELF B1 – September 2015
- German – A2

## **MUSIC**

Learning Indian Classical (Carnatic) Music since 2002.