


Amit Singh

 Center for Neural and Cognitive Sciences,
University of Hyderabad ,
Hyderabad,
India

 amitcogsci@gmail.com
 amits1ngh.github.io
 akshit.s1d
 +91 9560492881

Areas of Interest **Psycholinguistics, Bilingualism and Attention**

Education **University of Hyderabad, Hyderabad, India**
M.Sc., Neural and Cognitive Science, 2018-2020 (SGPA 9.04/10)
Specialization: Cognitive Science

Jawaharlal Nehru University, New Delhi, India
B.A(Hons.) German, 2014-2017

University of Delhi, New Delhi, India
Certificate in German Language, 2013-2014

All India Senior Secondary School Examination, New Delhi
Science (Physics, Chemistry, Mathematics and English) 2011-2013

Awards **UGC-NET, Junior Research Fellowship, Psychology, July 2020**

M.Sc. Dissertation **Interlocutor awareness and bilingual language choice: An eye-tracking study on Hindi-English bilinguals**

This eye-tracking study investigates whether in an interactional context the proactive language selection in high-proficient Hindi-English bilinguals is constrained by the perceived language proficiency of the speaker during communication.

Supervised by : Prof. Ramesh Kumar Mishra

Work Experience **Software Engineering Research Center, IIIT Hyderabad**
Research Intern, Speech Signal Processing, 2019 (Summer)

The summer internship was an open source software development project titled “Linear Predictive Coding of Speech”. I developed a JavaScript based speech signal visualiser for voiced and unvoiced speech sounds. The project can be accessed here (Github page)

Amazon Development Center, Bengaluru, India
Translation Associate, German (Full Time), 2017-2018

Key Roles:
Translation - German to English
Work in a team to improve catalogue UI experience.

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| Technical Skills | Matlab (Pattern Recognition Toolbox, Statistical Toolbox, EEGLAB) Python (Machine Learning modules: Scikit-learn, Pandas and Numpy) R programming (Linear mixed models, VWPre - Eyetracking) Stan (Bayesian data analysis) SR Experiment Bulider(Eyetracking) HTML, JavaScript, Latex (Basic) | |
| Languages | English (Proficient) German (CEFR B2.2) Hindi (Native) | |
| Lab Experience | Action Control and Cognition Lab, University of Hyderabad Major roles: Research ethics documentation. Participant recruitment and eye-tracking data collection. Stimulus creation and experiment designing on SR Research Experiment Builder. Eye-tracking data analysis on SR Research DataViewer. Conducting experiments on Eyelink 1000 Eye-Tracking device. Neuroscan 64-Channel EEG system setup. Time-series data analysis on Matlab EEGLAB. Neuronal Systems Lab, University of Hyderabad Extracellular ERG recording and PR conditioning in Honeybees. Intracellular Recording using glass electrodes. | |
| Workshops | Eye-Tracking workshop with Tobii-pro and CNCS Hyderabad, March 2019 3rd Workshop on Brain, Computation and Learning, IISc Bangalore, June 2019 The Science and Significance of Attention, Aug 2019, Instructor: Dr. Raymond Klein 3rd Annual Conference of the Society for Cognitive Science of Culture, Bits Pilani Goa Title: Literacy in the Multilingual World, 3rd - 7th Feb. 2020 | |
| Extracurricular | Dance Convener, JNU Dance Club, 2016-2017 Winner 1st prize, Kallol Dance Competition, Solo Category, JNU, 2016 Winner 1st prize, Solo Dance Category, Amazon Annual Fest, 2017 Winner, Solo Dance, Sukoon, University of Hyderabad, 2019 | |
| References | Prof. Dr. Ramesh Kumar Mishra Head, Center for Neural and Cognitive Sciences University of Hyderabad rkmishra@uohyd.ac.in | Dr. Joby Joseph Center for Neural and Cognitive Sciences Neuronal Systems Lab jjcncs@uohyd.ac.in |