


Amit Singh

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Areas of Interest **Attention, Vision, Bilingualism and Cognitive Control**

Education **University of Hyderabad, Hyderabad, India**
M.Sc., Neural and Cognitive Sciences, 2018-2020 (SGPA 9.04/10)
Fields: Attention, Working Memory and Bilingualism

Annamalai University, Tamil Nadu, India
Post Graduate Diploma in Software Based Statistical Analysis, 2019-2020

Jawaharlal Nehru University, New Delhi, India
B.A(Honours), German Language and Linguistics, 2013-2017

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

Dissertation **“Visual Working Memory, Interlocutor awareness and attention in Hindi-English bilinguals”**

The study investigates the relationship between visual working memory load and selective attention in high proficient Hindi-English bilinguals. This study used EEG and Eye-Tracking Methodology to investigate the aforementioned theme.

Supervised by : Prof. Ramesh Kumar Mishra

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

- This 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

- I used to translate documents from German to English

Technical Skills

Matlab (Worked on Pattern Recognition and Statistical Toolbox)
Python (Worked on Machine Learning modules: Scikit-learn, Pandas and Numpy)
Behavioural Experimentation: Psychopy, EEGLAB, SR Experiment Builder (Eye-tracking)

Languages

English (Proficient)
German (CEFR B2.2)
Hindi (Native)

**Workshops
and Conferences**

University of Hyderabad, Hyderabad

Course Instructor : Prof. Ramesh Kumar Mishra

Eye-Tracking workshop with Tobii-pro and CNCS Hyderabad, March 2019

Indian Institute of Science, Bengaluru

3rd Workshop on Brain, Computation and Learning, June 2019

Global Initiative for Academic Networks, MHRD Course

Course Instructor : Raymond Klein

Course Title: The Science and Significance of Attention, Aug 2019

**3rd Annual Conference of the Society for Cognitive
Science of Culture, BITS Pilani Goa, India**

Title: Literacy in the Multilingual World, 3rd - 7th Feb. 2020

Lab Experience

Action Control and Cognition Lab, University of Hyderabad

Conducted Experiments on EyeLink 1000 Eye-Tracking Device.

Action Control and Cognition Lab, University of Hyderabad

Neuroscan 64-Channel EEG System setup and basic knowledge of Operation
and Time Series Data Analysis on EEGLAB

Neuronal Systems Lab, University of Hyderabad

Extracellular ERG recording and PR Conditioning in Honeybees.
Intracellular Recording using Glass Electrodes.

Extracurricular

Jawaharlal Nehru University, New Delhi

Representative, School of Language, Literature and Cultural Studies, JNU (2015)

Convenor, JNU Dance Club, 2017

Winner, Sukoon Dance Competition, UoH, Solo Category, 2018

Winner, Kallol Dance Competition, JNU, Solo Category, 2019

References

Prof. Ramesh Kumar Mishra

Head, Center for Neural and Cognitive Sciences

University of Hyderabad

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Dr. Joby Joseph

Center for Neural and Cognitive Sciences

Neuronal Systems Lab

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