

Work Experience

- **Research Scientist**, Acoustics Research Institute, OEAW, Vienna, Austria 2019 – 2021
- **Postdoctoral Researcher**, Acoustics Research Institute, OEAW, Vienna, Austria 2015 – 2019
- **Doctoral Researcher**, University of Florida, Gainesville, Florida, USA 2011 – 2014
- **Graduate Researcher**, University of Florida, Gainesville, Florida, USA 2007 – 2011
- **Programmer**, University of Florida, Gainesville, Florida, USA 2005 – 2007

Technical Skills

Programming

- **Matlab** (advanced): Signal and Image processing, Curve fitting, Statistics and Machine Learning
- **Python** (intermediate): Numpy, Scipy, Scikit-Learn, Matplotlib, Pytorch, Pandas
- **R** (intermediate): tidyverse packages ggplot2, tidyr, dplyr
- **Praat** (advanced): speech sound analysis, synthesis
- **Perl** (intermediate): textual analysis, computational linguistics

Experimental Environments

Presentation, Psychopy, Psychtoolbox, OpenSesame

Techniques

ARMA modeling, Granger Causality, Spectro-temporal analysis, Text mining, Clustering, Psychophysics, Cochlear Implant fitting, stimulation, research interfacing, Speech synthesis, EEG, Dimensionality reduction (PCA, ICA), Multidimensional Scaling

Publications

11 (7 peer-reviewed) publications (Citations: 124, h-index: 5)

Education

- **Doctor of Philosophy (Behavioral and Cognitive Neuroscience)**
University of Florida, Gainesville, Florida, USA 2011 – 2014
- **Master of Science (Psychology)** University of Florida, Gainesville, Florida, USA 2007 – 2011
- **Master of Science (Electrical and Computer Engineering)**
University of Florida, Gainesville, Florida, USA 2004 – 2006
- **Bachelor of Engineering (Electronics and Communication Engineering)**
Bharathiar University 2000 – 2004

Languages

Tamil (Native), **English** (C2), **Hindi** (C2), **German** (B2)

Teaching/Advising

- Several undergraduate courses in Behavioral Neuroscience, Cognitive Neuroscience, Lab Methods
- Mentored masters and doctoral students, supervised 2 master's theses

Other Skills

Communication: Presented complex scientific material to scientific and layperson audiences ~15 international talks in various locations.