Shruti Kshirsagar

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RESEARCH EXPERIENCE

Research Assistant | Nanyang Technological University, Singapore   *May 2017 - Aug 2017*
  - ➢ Working on "Analysis of prosodic pattern for the speech emotion recognition".
  - ➢ Analyzed pitch patterns for the different emotions.
  - ➢ Conducting experiments to investigate novel features for speech emotion recognition using DNN.

Masters Dissertation Thesis | Indian Institute of Technology Bombay, India   *Aug 2015 – June 2016*
  - ➢ Studied the pitch, intensity and duration of utterances using techniques such as one way ANOVA.
  - ➢ Identified the acoustic correlates of stress in Marathi language using MATLAB and PRAAT.
  - ➢ Modelled these acoustic features in different lexical stress locations and focus types.

PUBLICATIONS
  - ➢ S. Barhate, S. Kshirsagar, N. Sanghvi, K.Sabu, P.Rao, N.Bondale "Prosodic Features of Marathi News Reading Style", Proc. Of IEEE TENCON, Nov 2016, Singapore.
  - ➢ P. Rao, H. Mixdorff, I. Deshpande, N. Sanghvi and S. Kshirsagar "A Quantitative Study of Focus Shift in Marathi", Proc. Of Speech Prosody, May 2016, Boston, U.S.A.

EDUCATION

IIIT Hyderabad, India   *December 2016 – Present*
Research Fellow in Speech Processing @ Speech and Vision Lab

Mumbai University, India   *August 2014 – July 2016*
Masters in Electronics and Telecommunication Engineering
Specialization: Signal Processing | CGPA: 9.08/10

Mumbai University, India   *August 2010 – May 2014*
Bachelors in Electronics and Telecommunication Engineering
Percentage: 72.64%

TECHNICAL PROFICIENCY

Programming Languages: C, C++, Python
Software Packages: Praat, MATLAB

TEACHING EXPERIENCE:

Private Tutor   *May 2015 – Dec 2016*
   Taught following courses to undergraduate engineering students:
   Signal and Systems, Random Signal analysis, Linear Algebra, Probability and Random Variables

Author, Solution Manual   *Feb 2015*
   Formulated solutions for engineering exams held between years 2011 – 2014 by Mumbai University.

INTERNSHIP:

Doordarshan Kendra (National Television Channel, India)   *July 2013*
  - ➢ Field study of signal processing equipment used in broadcasting.
  - ➢ Understood and visualized the signals at each stage of transmission.