

Ashutosh Pandey

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The Ohio State University
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- RESEARCH INTERESTS** Speech enhancement and separation, speech dereverberation, speaker separation, deep learning
- EDUCATION**
- Ph.D. student**, Computer Science and Engineering August 2016 - Present
The Ohio State University (OSU), Columbus, OH, USA
Advisor: Prof. DeLiang Wang
GPA: 4.0/4.0
- B.Tech**, Electronics and Communication Engineering August 2011 - June 2015
Indian Institute of Technology Guwahati, Guwahati, Assam, India
Thesis: Significance of Glottal Activity Detection for Speaker Verification in Degraded and Limited Data Condition
Advisor: Prof. S.R.M. Prasanna
GPA: 8.92/10.0
- PUBLICATIONS**
- [3] **Ashutosh Pandey** and DeLiang Wang, “A New Framework for Supervised Speech Enhancement in the Time Domain”, in *proceedings of INTERSPEECH*, 2018, pp. 1136-1140.
- [2] **Ashutosh Pandey** and DeLiang Wang, “On Adversarial Training and Loss Functions for Speech Enhancement”, in *proceedings of ICASSP*, 2018, pp. 5414-5418.
- [1] **Ashutosh Pandey**, Rohan Kumar Das, Nagraj Adiga, Naresh Gupta and S R Mahadeva Prasanna, “Significance of Glottal Activity Detection for Speaker Verification in Degraded and Limited Data Condition”, in *proceedings of TENCON*, 2015, pp. 1-6.
- SUBMITTED PAPERS**
- [1] **Ashutosh Pandey** and DeLiang Wang, “A New Framework for CNN Based Speech Enhancement in the Time Domain”, submitted in *IEEE/ACM Transactions on Audio, Speech, and Language Processing*.
- RESEARCH EXPERIENCES**
- Graduate Research Associate* August 2017 - present
Perception and Neurodynamics Laboratory (PNL), The Ohio State University, Columbus, OH, USA
- Speech Enhancement
 - Speech Dereverberation
 - Speaker Separation
- Research Engineer* June 2015 - June 2016
Aspiring Minds Assessment Pvt Limited
- Natural Language Processing
 - Machine Learning

Research Intern

May 2014 - July 2014

University of Alberta, Edmonton, Alberta, Canada

- Hardware simulation of gene regulatory networks (GRNs)
- Simulink and Modelsim

B.Tech Thesis

August 2014 - April 2015

Indian Institute of Technology Guwahati, Assam, India

- Speaker verification

SKILLS&TOOLS Python, C++, TensorFlow, PyTorch, Keras, MATLAB

SERVICES

Reviewer:

- *IEEE/ACM Transactions on Audio, Speech, and Language Processing*
- *AAAI Conference on Artificial Intelligence*