

http://cs-people.bu.edu/ajjendj ajjendj@bu.edu | 860.501.8468

ABOUT

PHD CANDIDATE BOSTON UNIVERSITY expected 2018

Advisors:

Dr. Margrit Betke Dr. Stan Sclaroff

Research Interests:

Computer Vision
Machine Learning
Human Computer Interaction

EDUCATION

MS, BOSTON UNIVERSITY

COMPUTER SCIENCE 2014 | Boston, MA GPA: 3.90/4.0

BA, CONNECTICUT COLLEGE

COMPUTER SCIENCE AND ARCHITECTURAL STUDIES 2012 | New London, CT GPA: 3.96/4.0 Summa Cum Laude

ST. XAVIER'S SCHOOL

HIGH SCHOOL DIPLOMA 2007 | Kathmandu, Nepal Rank: 1/108

COURSEWORK

Machine Learning Image and Video Computing Computer Graphics Data Mining Web and Mobile Computing Artificial Intelligence Self Driving Car (Udacity)

SKILLS

PROGRAMMING

Python • C++ • Java • Matlab HTML/CSS • PHP • MySQL Processing

DEEP LEARNING

TensorFlow • PyTorch • Caffe

EXTRACURRICULARS

AJJENJOSHI.COM

Visual Creative

SELECTED PUBLICATIONS

[1] Ajjen Joshi, S. Ghosh, S. Gunnery, L. Tickle-Degnen, S. Sclaroff, M. Betke. Context-Sensitive Prediction of Facial Expressivity using Multimodal Hierarchical Bayesian Neural Networks. IEEE International Conference on Automatic Face and Gesture Recognition (AFGR), 2018. To Appear.

[2] Ajjen Joshi, S. Ghosh, M. Betke, S. Sclaroff, H. Pfister. Personalizing Gesture Recognition Using Hierarchical Bayesian Neural Networks. IEEE Computer Vision and Pattern Recognition (CVPR), 2017. Poster

[3] Ajjen Joshi, S. Ghosh, M. Betke, H. Pfister. Hierarchical Bayesian Neural Networks for Personalized Classification. Neural Information Processing Systems (NIPS) Workshop on Bayesian Deep Learning, 2016. Poster

[4] A. Kurauchi, W. Feng, Ajjen Joshi, C. Morimoto, M. Betke. EyeSwipe: Dwellfree Text Entry Using Gaze Paths. ACM Conference on Human Factors in Computing Systems (CHI), 2016. Oral.

[5] Ajjen Joshi, C. Monnier, M. Betke, S. Sclaroff. A Random Forest Approach to Segmenting and Classifying Gestures. IEEE International Conference on Automatic Face and Gesture Recognition (AFGR), 2015. Oral.

WORK EXPERIENCE

ADOBE RESEARCH | RESEARCH INTERN

Summer 2016 | Cambridge, MA

• Explored a deep learning solution to automatically generating inbetween frames in hand-drawn 2D animation. Advised by Masha Shugrina

DISNEY RESEARCH | RESEARCH INTERN

Summer 2015 | Cambridge, MA

• Implemented a prototype gesture recognition system based on glove sensor data. Advised by Dr. Hanspeter Pfister, Dr. Soumya Ghosh

BROWN UNIVERSITY | RESEARCH INTERN

Summer 2011 | Providence, RI

• Created interactive multimedia installations using the Kinect. Advised by Dr. Todd Winkler

TEACHING EXPERIENCE

ARTIFICIAL INTELLIGENCE | BOSTON UNIVERSITY CS440

Senior Undergraduate Course on Artificial Intelligence | Spring 2016, 2017

IMAGE AND VIDEO COMPUTING | BOSTON UNIVERSITY CS585

Graduate Level Course on Computer Vision | Fall 2014

AWARDS

2016 NSF PETRA Doctoral Consortium Award

2015 Boston University Outstanding Teaching Fellow

2012 Phi Beta Kappa

2012 Architectural Studies Award for Outstanding Senior

2011 Connecticut College Winthrop Scholar

2010 Recipient of Keck Research Grant