

Pritish Sahu

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EDUCATION

- Rutgers University**, New Brunswick, NJ, USA September 2017 – Present
Ph.D. in Computer Science GPA –3.79/4.0
Advisor: Vladimir Pavlovic
Concentration: Machine Learning
- Rutgers University**, New Brunswick, NJ, USA September 2015 – May 2017
Master of Science in Computer Science GPA –3.81/4.0
- National Institute of Technology**, Rourkela, Orissa, India August 2007 – May 2011
Bachelor of Technology in Computer Science GPA – 7.63/10

PUBLICATIONS

- Minyoung Kim, **Pritish Sahu**, Behnam Gholami, Vladimir Pavlovic, “**Unsupervised Visual Domain Adaptation: A Deep Max-Margin Gaussian Process Approach**”, Conference on Computer Vision and Pattern Recognition (CVPR) Oral, 2019.
- Minyoung Kim, **Pritish Sahu**, Yuting Wang, Vladimir Pavlovic, “**Bayes-Factor-VAE: Hierarchical Bayesian Deep Auto-Encoder Models for Factor Disentanglement**”, International Conference on Computer Vision (ICCV) Oral, 2019.
- Behnam Gholami, **Pritish Sahu**, Minyoung Kim, Vladimir Pavlovic, “**Task-Discriminative Domain Alignment for Unsupervised Domain Adaptation**”, International Conference on Computer Vision (ICCV) MDALC Workshop Oral, 2019.
- Minyoung Kim, **Pritish Sahu**, Yuting Wang and Vladimir Pavlovic. “**Relevance Factor VAE: Learning and Identifying Disentangled Factors**”. preprint arXiv:1902.01568(2019).
- Behnam Gholami, Pritish Sahu, Ognjen Rudovic, Konstantinos Bousmalis, Vladimir Pavlovic. “**Unsupervised Multi-Target Domain Adaptation: An Information Theoretic Approach**”. preprint arXiv: 1810.11547(2019)
- Sejong Yoon, Mubbasir Kapadia, **Pritish Sahu**, Vladimir Pavlovic, “**Filling in the blanks: reconstructing microscopic crowd motion from multiple disparate noisy sensors**”, Applications of Computer Vision Workshops (WACVW), 2016 IEEE Winter.

WORK EXPERIENCE

- Summer Internship** **Triveni Digital Inc, USA**, May 2016-August 2016
- Implemented Wireshark decoder using Lua & C.
 - Built Web Portal using JavaScript, HTML/CSS, Java, Servlet Framework and Apache-Tomcat Server.
- Senior Software Engineer** **Samsung R&D, India**, June 2011-July 2015
- Optimized Graphics library for Samsung FullHD (1920x1080) & UHD (3840x2160) TV.
 - Client-Server architecture of texture creation on CPU and rendering using GPU for better performance.

- Contributed to development of Core Graphics library- 2D/3D drawing and various animation support.

COURSES

Pattern Recognition, Machine Learning, Theoretical Foundations of Deep Learning (Princeton University), Artificial Intelligence, Graduate Data Structures and Algorithms, Convex Optimization, Computer Vision, Robot Learning, Computer Graphics.

RELEVANT SKILLS

Languages: Python, Java, C++, C, Matlab, JavaScript (D3.js, Tween.js, Bootstrap), HTML, CSS.

Machine Learning/Vision Libraries: Pytorch, TensorFlow, Keras, OpenCV.

Tools: Apache-Tomcat Framework, Django Framework, Servlet, MySQL, OpenGL/WebGL, Unity, Wireshark, ARM Streamline.

ACHIEVEMENTS

- Received “Outstanding Programming Application Award” and “Outstanding Project Award” from Computer Science Department at Rutgers University
- Samsung Best Project Award: For successfully implementing Full HD & Smart TV features on Samsung TV.