SUSMIJA REDDY JABBIREDDY

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3104 Brendan Iribe Center, 8125 Paint Branch Drive, College Park, Maryland, 20742

EDUCATION

University of Maryland, College Park Aug 2018 - Present
Ph.D. in Computer Science College Park, MD
Advisor: Prof. Amitabh Varshney GPA: 4.0/4.0

Indian Institute of Technology, Kharagpur June 2017
M.Tech and B.Tech (Hons), Computer Science & Engineering West Bengal, India
Advisor: Prof. Sourangshu Bhattacharya GPA: 9.3/10

RESEARCH AREAS

3D Computer Vision, Computer Graphics, Deep Learning

PUBLICATIONS AND PATENTS

Jabbireddy, S., Sun, X., Meng, X., Varshney, A., 2020. Foveated Rendering: Motivation, Taxonomy, and Research Directions (under review).

Gupta, K., **Jabbireddy, S.**, Shah, K., Shrivastava, A. and Zwicker, M., 2020. Improved Modeling of 3D Shapes with Multi-view Depth Maps. In 3DV (Oral).

Kar, R., **Reddy, S.**, Bhattacharya, S., Dasgupta, A. and Chakrabarti, S., 2018, February. Task-Specific Representation Learning for Web-Scale Entity Disambiguation. In AAAI (pp. 5812-5819).

H. Madhu, S. T. Kakileti, K. Venkataramani and **S. Jabbireddy**, "Extraction of medically interpretable features for classification of malignancy in breast thermography," 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), Orlando, FL, 2016, pp. 1062-1065, doi: 10.1109/EMBC.2016.7590886.

Venkataramani, K., **Jabbireddy, S.**, Madhu, H.J., Kakileti, S.T. and Ramprakash, H.V., Niramai Health Analytix Pvt Ltd, 2019. Thermography-based breast cancer screening using a measure of symmetry. U.S. Patent 10,307,141.

Venkataramani, K., **Jabbireddy, S.**, Madhu, H.J. and Kakileti, S.T., Niramai Health Analytix Pvt Ltd, 2018. Contour-based determination of malignant tissue in a thermal image. U.S. Patent 9,865,052.

EXPERIENCE

Graduate Research Assistant *Graphics and Visual Informatics Laboratory* Jan 2019 – Present
University of Maryland, College Park, Maryland

Product Engineer *Machine Learning Team* July 2017 – June 2018
Sprinklr, Gurugram, India

Research Intern May 2016 – July 2016, May 2015 – July 2015
Xerox Research Center India, Bangalore, India

Research Intern May 2014 – July 2014
Indian Institute of Technology, Kharagpur, India

SKILLS AND RELATED COURSEWORK

Languages	Python, C, C++, Matlab, Java
Libraries and Tools	PyTorch, TensorFlow
Graduate Courses	Deep Learning, Advanced Numerical Optimization, Advanced Techniques in Visual Learning and Recognition, Advanced Computer Graphics, Foundations of Deep Learning
Undergraduate Courses	Machine Learning, Image Processing

SCHOLASTIC ACHIEVEMENTS

Recipient of the prestigious University of Maryland, College Park **Dean's Fellowship** for the academic years 2018-2020

Achieved **Best Master's Thesis Project Award** in IIT Kharagpur for the academic year 2016-17

Winner of Maths Olympiad- fresher's event conducted by IIT Kharagpur in 2012

Secured All India Rank of **669** out of 500,000 candidates in IIT-Joint Entrance Examination 2012

Achieved AIR of **641** among 1 million students in All India Engineering Entrance Examination 2012

One of the 850 students to be awarded Kishore Vaigyanik Protsahan Yojana Fellowship 2012

Secured International Rank **241** and State Rank **8** in International Olympiad of Mathematics, 2009

Secured International Rank **394** and State Rank **7** in International Olympiad of Science, 2009