

Ananya Jana

CONTACT INFORMATION	<i>Marshall University</i> <i>WAEC 3103</i> <i>Huntington, West Virginia, USA</i> <i>Primary E-mail: jana@marshall.edu</i> <i>Webpage: https://sites.google.com/view/ananyajanacshomepage/</i>
PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none">• Assistant Professor (Computer Science), August 2024 Marshall University• Assistant Professor (Computer Science), August 2023 Alvernia University• Postdoctoral Associate (Computer Science), March 2023 - August 2023 Rutgers University
ACADEMIC CAREER	<ul style="list-style-type: none">• PhD (Computer Science & Engineering), Fall 2017 - Spring 2023 Rutgers University, CGPA : 3.6/4.0 Concentration : Computer Vision, Deep Learning, Machine Learning Research Advisor : Dimitris Metaxas• Master of Science (Computer Science, en-route to PhD), January 2023 Rutgers University, The State University of New Jersey, CGPA : 3.63/4.0• Master of Technology (Computer Science & Engineering), July 2012 Indian Institute of Technology Guwahati, India, CGPA : 8.27/10.0• Bachelor of Technology (Computer Science & Engineering), August 2009 West Bengal University of Technology, West Bengal, CGPA : 8.17/10.0
INDUSTRY EXPERIENCE	<p>DellEMC R&D, Bengaluru Aug 2012 - July 2017</p> <p>Nokia Bell Labs, Murray Hill June 2019 - Aug 2019</p> <p>NEC Labs, Princeton January 2021 - Aug 2021</p>
FELLOWSHIP	<p>The Colgate-Palmolive Experiential Learning Fellowship September 2021 - Jan 2023</p>
RESEARCH PUBLICATIONS	<ul style="list-style-type: none">• Ananya Jana, Aniruddha Maiti, Dimitris Metaxas, <i>A Critical Analysis of the Limitation of Deep Learning based 3D Dental Mesh Segmentation Methods in Segmenting Partial Scans</i>(IEEE EMBC 2023)• Ananya Jana, Hrebesh Molly Subhash, Dimitris Metaxas, <i>3D Tooth Mesh Segmentation with Simplified Mesh Cell Representation</i>(IEEE ISBI 2023, selected for oral presentation)• Ananya Jana, Ramanathan Arunachalam, Carlos D. Minacapelli, Kaitlyn Catalano, Carlos Catalano, Vinod Rustgi, Dimitris Metaxas, <i>Scale-Aware Multi-Instance Learning for Early Prognosis of Subjects at Risk of Developing Hepatocellular Carcinoma</i>(IEEE ISBI 2023)• Ananya Jana, Hrebesh Molly Subhash, Dimitris Metaxas, <i>Automatic Tooth Segmentation from 3D Dental Model using Deep Learning: A Quantitative Analysis of what can be learnt from a Single 3D Dental Model</i>(accepted by SIPAIM 2022)• Ananya Jana, Carlos D. Minacapelli, Vinod Rustgi, Dimitris Metaxas, <i>Global and Local Interpretation of black-box Machine Learning models to determine prognostic factors from early COVID-19 data</i>(accepted by SIPAIM 2021)• Ananya Jana, Hui Qu, Puru Rattan, Carlos D. Minacapelli, Vinod Rustgi, Dimitris Metaxas, <i>Deep Learning based NAS Score and Fibrosis Stage Prediction from CT and Pathology Data</i>(accepted at IEEE BIBE 2020)• Ananya Jana, Hui Qu, Carlos D. Minacapelli, Carolyn Catalano, Vinod Rustgi, Dimitris Metaxas, <i>Liver Fibrosis and NAS scoring from CT images using self-supervised learning and texture encoding</i>(IEEE ISBI 2021, oral presentation 50% of the submissions)

	<ul style="list-style-type: none"> • Ananya Jana, Samit Bhattacharya, <i>Design and Validation of an Attention Model of Web Page Users</i>. Advances in Human Computer Interaction
POSTER	<ul style="list-style-type: none"> • Ananya Jana, Abmael H. Oliviera, Hrebesh M. Subhash <i>Synthetic image generation and deep learning approach for intraoral diagnostic applications (AADOOCR 2023)</i>.
PATENT	<ul style="list-style-type: none"> • Ananya Jana, Alluri Srinivas, Pandiyan Varadharajan, <i>.USPTO US20160239285A1: Systems and methods for download and installation of drivers for unmanaged information handling resources</i>
OPEN SOURCE	<ul style="list-style-type: none"> • Contributed to imgp, a superfast batch image resizer and rotator. This utility is available in the official Ubuntu and Debian releases Arch Linux user repository..https://github.com/jarun/imgp
AWARDS & ACHIEVEMENTS	<ul style="list-style-type: none"> • Recipient of Faculty Excellence Grant Award for Spring 2024 by the Alvernia University. • Recipient of HEERF funding award from Rutgers University for Spring 2021, Summer 2021 and Fall 2021. • Recipient of internal team award at Colgate-Palmolive. • Recipient of Long Term Incentive award(FY16), Dell Champion Award(FY15), Bronze awards(thrice), On The Spot awards(four times), Team award(once) in DellEMC. Was selected for Learn Engage Apply Perform(LEAP) program at DellEMC R&D which is designed to hone professional skills of high potential team members. won prize in popular choice category.
PROFESSIONAL SERVICES	<p><i>Medical Image Analysis</i> <i>IEEE Transactions on Visualization and Computer Graphics</i> <i>IEEE Transactions on Medical Imaging (TMI)</i> <i>Interacting with Computers Journal(Oxford University Press)</i></p>