

Ananya Jana

CONTACT INFORMATION

Marshall University
WAEC 3103
Huntington, West Virginia, USA
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PROFESSIONAL EXPERIENCE

- **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

- **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

DellEMC R&D, Bengaluru
Aug 2012 - July 2017

Nokia Bell Labs, Murray Hill
June 2019 - Aug 2019

NEC Labs, Princeton
January 2021 - Aug 2021

FELLOWSHIP

The Colgate-Palmolive Experiential Learning Fellowship
September 2021 - Jan 2023

RESEARCH PUBLICATIONS

- **Ananya Jana**, Aniruddha Maiti, Dimitris Metaxas, *A Critical Analysis of the Limitation of Deep Learning based 3D Dental Mesh Segmentation Methods in Segmenting Partial Scans*(IEEE EMBC 2023)
- **Ananya Jana**, Hrebesh Molly Subhash, Dimitris Metaxas, *3D Tooth Mesh Segmentation with Simplified Mesh Cell Representation*(IEEE ISBI 2023, selected for oral presentation)
- **Ananya Jana**, Ramanathan Arunachalam, Carlos D. Minacapelli, Kaitlyn Catalano, Carlos Catalano, Vinod Rustgi, Dimitris Metaxas, *Scale-Aware Multi-Instance Learning for Early Prognosis of Subjects at Risk of Developing Hepatocellular Carcinoma*(IEEE ISBI 2023)
- **Ananya Jana**, Hrebesh Molly Subhash, Dimitris Metaxas, *Automatic Tooth Segmentation from 3D Dental Model using Deep Learning: A Quantitative Analysis of what can be learnt from a Single 3D Dental Model*(accepted by SIPAIM 2022)
- **Ananya Jana**, Carlos D. Minacapelli, Vinod Rustgi, Dimitris Metaxas, *Global and Local Interpretation of black-box Machine Learning models to determine prognostic factors from early COVID-19 data*(accepted by SIPAIM 2021)
- **Ananya Jana**, Hui Qu, Puru Rattan, Carlos D. Minacapelli, Vinod Rustgi, Dimitris Metaxas, *Deep Learning based NAS Score and Fibrosis Stage Prediction from CT and Pathology Data*(accepted at IEEE BIBE 2020)
- **Ananya Jana**, Hui Qu, Carlos D. Minacapelli, Carolyn Catalano, Vinod Rustgi, Dimitris Metaxas, *Liver Fibrosis and NAS scoring from CT images using self-supervised learning and texture encoding*(IEEE ISBI 2021, oral presentation 50% of the submissions)

- **Ananya Jana**, Samit Bhattacharya, *Design and Validation of an Attention Model of Web Page Users*. *Advances in Human Computer Interaction*
- POSTER
- **Ananya Jana**, Abmael H. Oliviera, Hrebesh M. Subhash *Synthetic image generation and deep learning approach for intraoral diagnostic applications (AADOOCR 2023)*.
- PATENT
- **Ananya Jana**, Alluri Srinivas, Pandiyan Varadharajan, *.USPTO US20160239285A1: Systems and methods for download and installation of drivers for unmanaged information handling resources*
- OPEN SOURCE
- 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
- 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
- Medical Image Analysis*
IEEE Transactions on Visualization and Computer Graphics
IEEE Transactions on Medical Imaging (TMI)
Interacting with Computers Journal(Oxford University Press)