

EDUCATION

Department of Computer Science and Engineering, IIT Jodhpur Rajasthan, India
Ph.D. in CSE 2021 - 2026 (*expected*)

- Advisor: Prof. Santanu Chaudhury & Dr Deepak Mishra
- Research area: Multi Modal and SSL for Medical Image Analysis

Department of Electronics and Communications Engineering, NIT Srinagar J&K, India

M.Tech. in CIT 2017 - 2019

- Advisor: Prof. A.H. Mir
- Research area: Medical Image Analysis
- GPA: 9.430/10.00, Rank: 1.

Department of Information Technology, NIT Srinagar J&K, India

B.Tech. in Information Technology 2013 - 2017

- GPA: 9.12/10.00, Rank: 3.

PUBLICATIONS

1. **Aiman Farooq**, D Mishra, S Chaudhury, “*Causal Survival Analysis via Neural Mediation with Counterfactual Risk Estimation*”, Women in Machine Learning Workshop@ NeurIPS 2025
2. Shripad Pate*, **Aiman Farooq***, Suvrankar Datta, Dr Musadiq Adil Sheikh, Dr.Atin Kumar, and Deepak Mishra, “*Fine-Grained Rib Fracture Diagnosis with Hyperbolic Embeddings: A Detailed Annotation Framework and Multi-Label Classification Model*”, early accept(9%) MICCAI, 2025
3. **Aiman Farooq***, Chandisha Das*, Deepak Mishra, “*Uncertainty-Aware Cross-Modal Attention for Breast Cancer Classification in Ultrasound Imaging*”, Oral Presentation Deep-Breath MICCAI, 2025
4. **Aiman Farooq**, Deepak Mishra, Santanu Chaudhury. Survival Prediction in Lung Cancer through Multi-Modal Representation Learning. *Winter Conference on Applications of Computer Vision (WACV) early accept (12%), 2025.*
5. Harini G.*, **Aiman Farooq ***, Deepak Mishra. Leveraging Auxiliary Classification for Rib Fracture Segmentation. *Indian Conference on Computer Vision, Graphics and Image Processing*, 2024.
6. **Aiman Farooq**, Utkarsh Sharma and, Deepak Mishra. Enhanced Survival Prediction in Head and Neck Cancer Using Convolutional Block Attention and Multimodal Data Fusion *ACCV Workshop*, 2024.
7. **Aiman Farooq**, Deepak Mishra, Santanu Chaudhury. Translating Imaging to Genomics: Leveraging Transformers for Predictive Modeling. *Conference on Computer Vision and Pattern Recognition (CVPR) Women in Computer Vision (WiCV)*, 2024.
8. **Aiman Farooq**, Deepak Mishra, Santanu Chaudhury. RegFSL-A registration-based framework for Few shot segmentation of Brain Tumor. *TechRxiv. May 30, 2024. DOI: 10.36227/techrxiv.171709831.10024495/v1.*
9. S. Datta, **A. Farooq**, S. Agrawal, D. Mishra, A. Kumar, S.R. Gamanagatti, D. Kandasamay, S. Mittal, S.Kumar, R.Sharma. AIRib Framework: Development of an End-to-End Pipeline for the Automated Detection, Characterization, Prognostication and Reporting of Traumatic Rib Fractures from CT Scans. *RSNA*, 2023.

PROJECTS	HuB for Radiogenomics Research and Service	2024 - 2025
	<i>TiH, IIT Jodhpur</i>	
	Development of an AI platform for the prediction of brain tumor response to therapies from multimodal human tumor spheroid data	
	<i>IIT Jodhpur & AIIMS Jodhpur</i>	2021 - 2023
	Rib Fracture Characterization in CT Scans Using Deep Learning,	
	<i>IIT Jodhpur & AIIMS Delhi</i>	2021 - 2024
TEACHING EXPERIENCE	NIT Srinagar Assistant Professor	July 2019 - December 2020
	<ul style="list-style-type: none"> • Taught courses such as Information Security, Introduction to Programming, Signals and Systems, Big Data Analytics • Btech project guide for final year graduate students 	
	IIT Jodhpur Teaching Assistant	
	<ul style="list-style-type: none"> • Deep Learning • Computer Vision • Artificial Intelligence • Advanced AI 	
AWARDS AND HONORS	<ul style="list-style-type: none"> • Travel grant : CVPR DEI (2024), WiCV(2024), WACV DEI(2025), MICCAI Travel and Registration Grant(2025), NeuRIPS Scholar Award(2025), WiML Grant(2025) . • Part of Supporters Outreach at MICCAI 2025 from India. • Gold Medalist, M.Tech in CIT • MHRD Scholarship, NIT Srinagar 	
		2019
		2017-2019
ACADEMIC SERVICES	Reviewers for: <i>ECCV, NeurIPS, CVPR, ICPR, CODS-COMAD, WICV-ECCV, MICCAI, ICVGIP,</i>	