

EDUCATION

Department of Computer Science and Engineering, IIT Jodhpur	Rajasthan, India
<i>Ph.D. in CSE</i>	2021 - 2026 (expected)
<ul style="list-style-type: none"> • 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
<i>M.Tech. in CIT</i>	2017 - 2019
<ul style="list-style-type: none"> • 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
<i>B.Tech. in Information Technology</i>	2013 - 2017
<ul style="list-style-type: none"> • 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 <i>TiH, IIT Jodhpur</i>	2024 - 2025
	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 <ul style="list-style-type: none">Taught courses such as Information Security, Introduction to Programming, Signals and Systems, Big Data AnalyticsBtech project guide for final year graduate students	July 2019 - December 2020
	IIT Jodhpur Teaching Assistant <ul style="list-style-type: none">Deep LearningComputer VisionArtificial IntelligenceAdvanced 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 CITMHRD Scholarship, NIT Srinagar	2019 2017-2019
ACADEMIC SERVICES	Reviewers for: ECCV, NeurIPS, CVPR, ICPR, CODS-COMAD, WICV-ECCV, MICCAI, ICVGIP,	