

RESEARCH INTERESTS

Deep Learning for Robotic applications, Bilateral teleoperation of Robots in Clinical Medicine, A.I., Edge Computing, Cyber physical systems, HCI.

EDUCATION

Doctor of Philosophy (Ph.D.)

Spring 2021–Present

Artificial Intelligence / ML for enabling Haptics in 5G Ecosystem
Indian Institute of Technology, Delhi, India

Master of Technology (M.Tech)

2018–2020

Computer Engineering, Magna cum laude
Jamia Millia Islamia University, New Delhi, India

- Dissertation: “Large-scale multi-class Cardiac Arrhythmia classification from variable-length 12-lead ECG signals using deep learning”. [Link]

Bachelor of Technology (B.Tech)

2013–2017

Computer Science & Engineering
University of Kashmir, Srinagar, India

- Dissertation: “Deep learning based gender classification using built-in webcams and the effect of lighting conditions”.

PROFESSIONAL EXPERIENCE

Indian Institute of Technology, Delhi

Project Scientist

New Delhi, India

June 2020 - Jan 2021

National Institute of Electronics and Information Technology

Internship, Linux Administration

Srinagar, India

Jan 2015 - Feb 2015

TEACHING/ PROFESSIONAL MEMBERSHIPS

- **IEEE Student Member and Member of the IEEE Robotics and Automation Society** 2022 - Present
Institute of Electrical and Electronics Engineers (IEEE)
- **Teaching Assistant** at Jamia Millia Islamia University Spring 2018
Machine Learning and Information Retrieval Lab (MCEN-292)

FELLOWSHIPS/ PROFESSIONAL EXAMS

- UGC NET (National Eligibility Test) 2022
- IITD Institute Fellow 2021–Present
- GATE (Graduate Aptitude Test in Engineering) - CS/IT, 2021 2021

- GATE (Graduate Aptitude Test in Engineering) - CS/IT, 2020 2020
- University Grants Commission PG-GATE Fellow 2018–2020
- GATE (Graduate Aptitude Test in Engineering) - CS/IT, 2019 2019
- GATE (Graduate Aptitude Test in Engineering) - CS/IT, 2018 2018
- JEST (Joint Entrance Screening Test), 2018 - Theoretical CS 2018

SEMINARS/WORKSHOPS

Summer School on A.I. [Link]

Center for Visual Information Technology,
International Institute of Information Technology, Hyderabad

August, 2021

Hybridization of ConvNets

Jamia Millia Islamia University, New Delhi

June, 2020

Dive into Machine Learning

University of Kashmir, Srinagar

December, 2017

CERTIFICATIONS

- **Crash Course on Python** July 2020
Google [Link]
- **Machine Learning** Feb 2021
Badge earned on LinkedIn Skill Assessments [Link]
- **Neural Networks and Deep Learning** June 2021
DeepLearning.AI [Link]
- **Linux Administration** Feb 2015
National Institute of Electronics and Information Technology, Srinagar

PROJECTS

A non-exhaustive list of past and current projects is available on <https://muneebpandith.github.io>

PUBLICATIONS

- [1] **M. Ahmed**, S. Masood, M. Ahmad, and A. A. A. El-Latif, “Intelligent driver drowsiness detection for traffic safety based on multi cnn deep model and facial subsampling”, *IEEE Transactions on Intelligent Transportation Systems*, 2021. DOI:10.1109/TITS.2021.3134222
Refereed/Peer-reviewed, **SCOPUS, SCIE Indexed** **Impact Factor: 6.49** .
- [2] K. Arzad Alam, S. Gaurav, S. Shashvat, V. Neha, **M. Ahmed**, P. Ashish, M. Rashi, L. Brejesh, S. Huzur, V. Mythili, S. Abhishek, S. Sushila, V. Vinodh R, and L. Kishore, “Development of MEC system for indigenous 5G Test-Bed”, in *Proceedings of the 13th International Conference on Communication Systems and Networks (COMSNETS)*. pp. 131-133. *IEEE, 2020*, DOI: 10.1109/COMSNETS51098.2021.9352907. Peer-reviewed International conference proceedings .
- [3] N. Afreen, R. Patel, **M. Ahmed**, and M. Sameer, “A novel machine learning approach using boosting algorithm for liver disease classification”, in *2021 5th International Conference on Information Systems and Computer Networks (ISCON)*, 2021, 1-5.
DOI:10.1109/ISCON52037.2021.9702488. Peer-reviewed, International conference proceedings .