

# Tajamul Ashraf

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## EXPERIENCE

- Leena AI** Delhi, India  
*Software Engineer (Full-time)* May 2022 - Oct 2022
  - Product, Engineering & ML team:** Executing full lifecycle softwares
  - Working in cross-functional projects:** Architecting the solutions to meet client requirements
- Artpark** Bangalore, India  
*Computer Vision Intern (Full-time)* Dec 2021 - May 2022
  - Thesis topic:** Robojanitor- fully automated washroom cleaning robot
  - Pose Model with REST API for Production:** Developed 3D pose models and REST APIs for production.
  - Automated Pipelines:** Created pipelines using Airflow.
  - CI/CD:** Successfully implemented CI/CD flows on Gitlab.
- Indian Institute of Science** Bangalore, India  
*Research Intern (Full-time)* Mar 2021 - Sep 2021
  - Develop a human pose comparison model :** Aid a yoga teacher during online classes
  - Blaze Pose as to mark the key-points of both teacher and students and compares both and instructs the students accordingly:**
- Indian Institute of Technology Kharagpur** Kolkata, India  
*Research Associate (Full-time)* Nov 2020 - Mar 2021
  - Goal was to use computer vision to aid agricultural robotics.:** Devising an algorithm for counting fruits.
  - Devise an algorithm to identify fresh and rotten fruit:**
- BSNL, Advanced Level Telecom Centre** UP, India  
*Cyber Security and Networking Intern (Full-time)* Jan 2019 - Jun 2019
  - Troubleshooting and solving network problems:** Wireless technologies (such as Wi-F, Bluetooth) and security

## EDUCATION

- Indian Institute of Technology Delhi** New Delhi, India  
*Masters in Computer Science, MS(Research)* 2022 - Current  
*Specialization:* Computer Vision and Medical Imaging
- National Institute of Technology Srinagar** Kashmir, India  
*Bachelor of Technology - Information Technology* 2018 - 2022  
*Courses:* Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases

## SKILLS

- Domains:** Computer Vision, Automation, Robotics, Machine Learning, Deep Learning, Data Analytics
- Languages:** Python, C++, JavaScript, Bash, HTML/CSS
- Frameworks:** Pytorch, OpenCV, TensorFlow, Keras, Django, Flask, Flutter
- Tools:** Airflow, Docker, GIT, MySQL, SQLite
- Soft Skills:** Leadership, Event Management, Public Speaking, Philanthropist
- Initiatives:** Founder Ralith Milth(NGO on drug abuse), AT Talks (Podcast which talks about technology and society)

## PUBLICATIONS

- Conference:** **Tajamul Ashraf**, Naiyer Abbas, Mohammad Haseeb, Nadeem Yousuf, Janibul Bashir, *An Integral Computer Vision System for Apple Detection, Classification, and Semantic Segmentation*, In Proceedings of the 15th ICMV 2022 Rome, Italy.
- Journal:** **Tajamul Ashraf**, Janibul Bashir, *Climate Change Parameter Model (CCPM): A Robust Deep Learning Approach for Weather Forecasting and Climate Change Analysis*, Neural Computing and Applications 2022.
- Conference:** **Tajamul Ashraf**, Balaji Prabu BV, and Omkar Subbaram Jois Narasipura, *PoseWatch: Advancing Real Time Human Pose Tracking and Juxtaposition with Deep Learning*. Accepted at CVIP 2023.
- Journal:** **Tajamul Ashraf**, Janibul Bashir, *Climate Change Parameter Dataset (CCPD): A Benchmark Dataset for Climate Change parameters in Jammu and Kashmir*, In proceedings of ICDSA 2023
- Conference:** **Tajamul Ashraf**, Fuzayil-bin-Afzal Mir, *A proposed scale to measure the effect of team building on Engineering students*. ICBMDA 2023
- Conference:** **Tajamul Ashraf**, Fuzayil-bin-Afzal Mir, Iqra Altaf Gillani *TransFed: A way to epitomize Transformer based Focal Modulation using Federated Learning*, submitted at WACV 2024

## ONLINE COURSES

- Machine Learning by Stanford University (Coursera):** Grade Achieved: 98 %
- Deep Learning Specialization by deeplearning.ai (Coursera):** Grade Achieved: 95 %
- Introduction to Artificial Intelligence with Python by Harvard University (edX):** Grade Achieved: 100 %
- Introduction to Computer Vision Course - Udacity ud120:** Grade Achieved: 100 %

## LANGUAGES

- English (Proficient), Kashmiri (Mother tongue), French (Basic), Spanish(Basic), Arabic (Basic), Hindi (Proficient), Urdu(Proficient)