

# Tajamul Ashraf

Portfolio: [www.tajamulashraf.com](http://www.tajamulashraf.com)

Github: [github.com/Tajamul21](https://github.com/Tajamul21)

Mobile: +91-9070071007

Email: [tajamul@sit.iitd.ac.in](mailto:tajamul@sit.iitd.ac.in)

Linkedin: [tajamul21](https://www.linkedin.com/in/tajamul21)

## EXPERIENCE

---

- **Leena AI** Delhi, India  
*Software Engineer (Full-time)* May 2022 - Oct 2022
  - **Product, Engineering & ML team:** Executed full lifecycle softwares.
  - **Worked in cross-functional projects.:** Architected the solutions to meet client requirements.
- **Artpark** Bangalore, India  
*Computer Vision Intern (Full-time)* Dec 2021 - May 2022
  - **Thesis topic:** Robojanitor- Developed a 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
  - **Developed a novel human pose comparison model :** Aided yoga teachers during online classes with training
  - **Blaze Pose:** To mark the key-points of both teacher and students and compares both and instructs the students according to the teacher.
- **Indian Institute of Technology Kharagpur** Kolkata, India  
*Research Associate (Full-time)* Nov 2020 - Mar 2021
  - **Used computer vision to aid agricultural robotics.:** Devised an algorithm for counting fruits in real time. Devised an algorithm to classify fresh and rotten fruits
- **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-Fi, 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, CGPA: 8.34* 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,** Fuzayil-bin-Afzal Mir, Iqra Altaf Gillani *TransFed: A way to epitomize Transformer based Focal Modulation using Federated Learning*, Accepted at WACV 2024
- **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

## 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)