MAYANK LUNAYACH

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EDUCATION

MAY 2023 **Georgia Institute of Technology,** Atlanta, GA
Candidate for Master of Science in Computer Science (Machine Learning Specialization) 4.0/4.0

JULY 2020 **Indian Institute of Technology (IIT),** Kanpur, India
Bachelor of Technology in Electrical Engineering (Minor in Machine Learning)

PUBLICATIONS

- Lifelong Wandering: A realistic few-shot online continual learning setting (Paper) **[CVPR'22 Workshop]**
- Multimodal Humor Dataset: Predicting laughter tracks for sitcoms (Paper) (Project) **[WACV'21]**
- Uncertainty Class Activation Map (U-CAM) using gradient certainty method (Paper) **[IEEE TIP'20]**
- U-CAM: Visual explanation using uncertainty based class activation maps (Paper) (GitHub) **[ICCV'19]**

EXPERIENCE

SOFTWARE ENGINEERING INTERN
Google LLC, CA MAY 2022 - AUG 2022
- Worked in data science division of Google Cloud for making storage efficient

GRADUATE RESEARCHER
Supervised by Prof. Zsolt Kira, Georgia Institute of Technology, Atlanta, GA
- Working on self-supervised 3D implicit representations for in-the-wild pose estimation AUG 22 - PRESENT
- Proposed a novel naturalistic lifelong learning setting and SOTA methods for it AUG 21 - MAY 22

MACHINE LEARNING SCIENTIST
Wadhwani Institute for Artificial Intelligence, Mumbai, India AUG 2020 - JULY 2021
- Achieved 75 grams error in estimating weights of newborns from smartphone videos using transformers
- Won the Fast Company Best World Changing Idea APAC 2021 with my team

RESEARCH INTERN
Wadhwani Institute for Artificial Intelligence, Mumbai, India MAY 2020 - JULY 2020
- Proposed and implemented novel algorithms for doing self-supervised 3D human reconstruction

RESEARCH INTERN
School of Computer Science and Engineering, NTU Singapore MAY 2019 - JULY 2019
- Enabled annotators to re-speak noisy audio segments to improve ASR and adapted NER models for ASR

OPEN SOURCE DEVELOPER
Systers OS, Google Summer of Code MAY 2018 - SEPT 2018
- Developed a chatbot that answered health queries of patients and made 3 JavaScript educational games

TECHNICAL SKILLS

Programming Languages	Python, C++, JavaScript, C, MATLAB
Deep Learning Libraries & Tools	PyTorch, TensorFlow, JAX, scikit-learn, git, Docker

VOLUNTARY WORK

Reviewer ECCV, CVPR, WACV

Mentor EvalAI, Google Summer of Code (awarded as best mentor in 2019) MAY 2019 - SEPT 2020

Graduate Teaching Assistant Deep Learning AUG 2021 - PRESENT