

# MAYANK LUNAYACH

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## EDUCATION

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- 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

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- NurtureNet: A Multi-task Video-based Approach for Newborn Anthropometry [ICCV'23 Submission]
- 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

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### 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

Wadhvani 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

Wadhvani 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

Systems 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

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Programming Languages

Python, C++, JavaScript, C, MATLAB

Deep Learning Libraries & Tools

PyTorch, TensorFlow, JAX, scikit-learn, git, Docker

## VOLUNTARY WORK

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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