

# MAITREY GRAMOPADHYE

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## EDUCATION

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- University of North Carolina, Chapel Hill** (Aug 2023 - present)  
Ph.D. candidate in Computer Science. Advisor: Dr. Daniel Szafr
- University of North Carolina, Chapel Hill** (Aug 2021 - Aug 2023)  
Master of Science in Computer Science
- Indian Institute of Technology, Bombay, India** (July 2016 - July 2020)  
Bachelor of Technology in Computer Science, with Honors

## RESEARCH AND PUBLICATIONS

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- **Generating Executable Action Plans with Environmentally-Aware Language Models.** Maitrey Gramopadhye and Daniel Szafr. *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2023*
- **Assessing the Impact of VR Interfaces in Human-Drone Interaction.** Maitrey Gramopadhye, Arran Zeyu Wang, Leonard Shearer, Tony Qin and Daniel Szafr. Horizons of an Extended Robotics Reality (XR-ROB Workshop) | IROS, 2023
- **CuRL: Coupled Representation Learning of Cards and Merchants to Detect Transaction Frauds.** Maitrey Gramopadhye\*, Shreyansh Singh\*, Kushagra Agarwal, Nitish Srivasatava, Alok Singh, Siddhartha Asthana and Ankur Arora. *Artificial Neural Networks and Machine Learning – ICANN 2021*

## INDUSTRY EXPERIENCE

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### ASSOCIATE ANALYST

AI Garage, Mastercard India (Aug 2020 - Aug 2021)  
Worked on representation learning for payment entities to detect transaction fraud. Also worked on training high precision models to predict transaction authorization.

### MONOCULAR 3D OBJECT DETECTION

Samsung Research Institute, Bangalore | Research Internship (May 2019 - July 2019)  
Worked on real-time monocular 3D object detection in the Advanced Technology Lab at Samsung Research Institute, Bangalore.

## MENTORING EXPERIENCE

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### IIT-B MARS ROVER TEAM

Student Technical Team, IIT Bombay (May 2017 - July 2020)

- The IIT Bombay Mars Rover Team builds rovers capable of traversing and conducting operations and experiments in Mars like terrain, for competing in the University Rover Challenge, Mars Society
- Worked as Head of the Software team, responsible for developing autonomous capabilities of the rover

### GRADUATE TEACHING ASSISTANT

Department of Computer Science, UNC Chapel Hill (Aug 2021 - May 2022)

- TA for COMP 523 - Software Engineering Lab in Spring 2022, taught by Prof. David Stotts
- TA for COMP 475 - 2D Computer Graphics in Fall 2021, taught by Prof. Mike Reed