

MAITREY GRAMOPADHYE

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EDUCATION

- University of North Carolina, Chapel Hill** (Aug 2023 - present)
Ph.D. candidate in Computer Science. Advisor: Dr. Daniel Szafrir
- 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

- **Generating Executable Action Plans with Environmentally-Aware Language Models.** Maitrey Gramopadhye and Daniel Szafrir. *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 Szafrir. 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

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

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