

MAITREY GRAMOPADHYE

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EDUCATION

University of North Carolina, Chapel Hill (Aug 2021 - present)
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, Daniel Szafir. *arXiv preprint 2022*
- **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*
- **3D Reconstruction in Cryo-Electron Microscopy.** Maitrey Gramopadhye, Ajit Rajwade. *Undergraduate Thesis, 2020*

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

SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of **433** in JEE-Advanced out of 150,000 candidates (2016)
- Recipient of the KVPY Fellowship with an All India Rank of **596** (2015-2016)
- Achieved **99.34** percentile in JEE-Main out of 1.2 million candidates (2016)