

## DIVYA RAMESH

2260 Hayward St., Suite 2828, Ann Arbor, Michigan - 48105 • [dramesh@umich.edu](mailto:dramesh@umich.edu)

LinkedIn: [www.linkedin.com/pub/divya-ramesh/57/486/335/](https://www.linkedin.com/pub/divya-ramesh/57/486/335/)

Webpage: <https://dramesh14.github.io>

---

## RESEARCH INTERESTS

Human-Computer Interaction, Algorithmic Accountability & Governance, Bias, Ethics, Fairness, Transparency, Artificial Intelligence, Science and Technology Studies.

## EDUCATION

<b>PhD in Computer Science &amp; Engineering</b> University of Michigan, Ann Arbor, Michigan <i>Advisor: Dr. Nikola Banovic</i>	2018-Present
<b>Graduate Certificate in Science, Technology and Public Policy</b> University of Michigan, Ann Arbor, Michigan	2022-Present
<b>Master of Science in Electrical Engineering</b> University of Southern California, Los Angeles, California	May 2015
<b>Bachelor of Engineering in Electronics and Communication</b> M. S. Ramaiah Institute of Technology, Bangalore, India	June 2013

## AWARDS AND HONORS

Quad Fellow (\$50,000)	2023-24
Google Travel Grant (\$4000)	2022
Graduate Student Service Award for Excellence in Climate, Diversity, and Inclusion (\$1000)	2021
University of Michigan Nominee for Google PhD Fellowship	2021
Tech+Society Book Club Grant (\$300)	2021
Pragnesh Jay Modi Best Student Paper Award (\$1000)	AAMAS 2020
Best Paper Nomination	AAMAS 2020
Rackham Conference Travel Grant (\$2500)	CHI'19, FAccT'22

## PEER-REVIEWED PUBLICATIONS

**Divya Ramesh**, Caitlin Henning, Nel Escher, Haiyi Zhu, Min Kyung Lee, Nikola Banovic. Ludification as a Lens for Algorithmic Management: A Case Study of Gig Workers' Experiences of Ambiguity in Instacart Work. In *ACM Conference on Designing Interactive Systems Conference (DIS '23)*. Pittsburgh, PA, USA. (To Appear).

**Divya Ramesh**, Vaishnav Kameswaran, Ding Wang, Nithya Sambasivan. How Platform-User Power Relations Shape Algorithmic Accountability: A Case Study of Instant Loan Platforms and Financially Stressed Users in India. In *ACM Conference on Fairness, Accountability and Transparency (FAccT 2022)*. Seoul, South Korea. (*Contributed to public conversation that shaped policy outcomes for Google. See Press*).

Kori Inkpen, Shreya Chappidi, Keri Mallari, Besmira Nushi, **Divya Ramesh** et al. Advancing Human-AI Complementarity: The Impact of User Expertise and Algorithmic Tuning on Joint Decision Making. In *ACM Transactions on Computer-Human Interaction* (TOCHI 2022).

**Divya Ramesh**, Anthony Liu, Jean Song, Andres Echeverria, Nicholas Waytowich, Walter Lasecki. Yesterday's Reward is Today's Punishment: Contrast Effects in Human Feedback to Reinforcement Learning Agents. In *Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems* (AAMAS 2020). Auckland, New Zealand. (**Pragnesh Jay Modi Best Student Paper - Top 1%**)

Keri Mallari, Kori Inkpen, Paul Johns, Sarah Tan, **Divya Ramesh**, Ece Kamar. Do I Look Like a Criminal? Examining How Race Information Presentation Impacts Human Judgement of Recidivism. In *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI 2020). Honolulu, Hawaii.

### LIGHTLY PEER-REVIEWED PUBLICATIONS

Nel Escher, Jeffrey Bilik, Alexander Miller, Jennifer Jiyoung Huseby, **Divya Ramesh**, Alice Liu, Sam Mikell, Nina Cahill, Ben Green, Nikola Banovic. 2022. Cod(e)ifying The Law. In *Programming Languages and the Law* (Prolala) 2022.

**Divya Ramesh**, Bradford A. Folkens. Towards Real-Time Image Captioning using Crowdsourcing and Computer Vision. In *HCOMP Workshop on Human Computation for Image and Video Analysis* (GroupSight 2017). Quebec City, Quebec.

### INVITED PANELS & TALKS

Investing in the Next Generation of U.S.-India Ties: The Quad Fellowship in conversation with NSC Chief of Staff Curtis Ried. *USIBC 48th India Ideas Summit and Annual General Meeting*. Washington DC, USA. 2023.

Human-AI Interaction through an Empirical Lens. In *EECS 593: Introduction to Human-Computer Interaction*. University of Michigan, Ann Arbor, USA. 2021.

Human-AI Interaction for Accessibility. In *ECCV VizWiz Grand Challenge Workshop*. Germany. 2018. (declined).

### PATENTS

**Ramesh D.** and Folkens B. A. 2020. Content Based Image Management and Selection. US Patent US10831820B2. (Assigned to CloudSight Inc.)

### PRESS

Shereen Bhan discusses the future of India-US ties, strategic importance of the Quad and how the Quad Fellowship is building the next generation of leaders with NSC Chief of Staff Curtis Ried & Quad Fellows Divya Ramesh and Parris Washington. *CNBC TV-18*. June 16, 2023.

Ford School STPP scholars receive inaugural Quad Fellowships, *U-M Ford School News*, January 3, 2023.

Divya Ramesh chosen for Quad Fellowship in interdisciplinary studies in STEM, *U-M CSE News*, December 15, 2022.

U-M students chosen for new STEM fellowship, *UM University Record*, December 12, 2022.

Risky teleoperation, rocket league simulation and zoologist multiplication, *TechCrunch Perceptron*, June 2022.

Research on human biases in AI learning earns best student paper award, *Michigan CSE News*, May 2020.

## INDUSTRY EXPERIENCE

### Research Intern

Google Research, Mountain View, CA (remote).

Jun 2021 – Aug 2021

Host: Dr. Nithya Sambasivan

### Research Intern

Microsoft Research, Redmond, Washington

Jun 2019 – Aug 2019

Host: Dr. Kori Inkpen

Mentors: Dr. Besmira Nushi, Dr. Ece Kamar

### Research & Development Software Engineer

CloudSight Inc., Los Angeles, California

Aug 2015 - May 2018

### Computer Vision Intern

CloudSight Inc., Los Angeles, California

May 2014 - June 2015

## SKILLS

Quantitative: Experiments, Surveys, Crowdsourcing, Machine Learning, Reinforcement Learning.

Qualitative: Interviews, Ethnography, Diary Studies, Focus Groups.

Computer Languages: Python, Ruby, C/C++

Libraries & Packages: Tensorflow, Pytorch, Caffe, OpenCV, NLTK, Gensim, MATLAB, LaTeX

## TEACHING

Graduate Student Instructor, Introduction to Human-Computer Interaction Research

Fall 2021

Planning Committee, Introduction to Graduate Studies, University of Michigan.

Fall 2020

## LEADERSHIP AND SERVICE

Co-Founder, VoiCSEs, University of Michigan.

2022-23

Chair, ECSEL+, University of Michigan.

2020-23

Reviewer, ACM SIGCHI, ACM CSCW, ACM UIST.

2019-23

Student Volunteer, ACM FAccT Conference

2021-22

Co-Founder, Tech + Society Reading Group in CSE, University of Michigan.

2020

Committee Member, DEI Working Group in CSE, University of Michigan.

2020

## MENTORING

Ananya Kasi, Undergraduate Student, University of Michigan

2023- Present

Caitlin Henning, Undergraduate Student, University of Michigan.

2021-22

Tsedeniya Amare, Undergraduate Student, Addis Ababa University, Ethiopia.

2021-22

Andres Echeverria, Undergraduate Student, University of Michigan.

2018-19

Mujtaba Asif, Data Scientist, CloudSight Inc.

2017-18

Hengyue Liu, Computer Vision Intern, CloudSight Inc.

2016

### **OUTREACH**

After-school tutor for at-risk youth, Peace Neighborhood Center, Ann Arbor, Michigan.

2020

Scratch programming & Hummingbird robotics tutor for at-risk youth, NYA, California.

2017-18