

DIVYA RAMESH

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

RESEARCH INTERESTS

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

EDUCATION

PhD in Computer Science & Engineering 2018- Present

University of Michigan, Ann Arbor, Michigan

Advisor: Dr. Nikola Banovic

Master of Science in Electrical Engineering May 2015

University of Southern California, Los Angeles, California

Bachelor of Engineering in Electronics and Communication June 2013

M. S. Ramaiah Institute of Technology, Bangalore, India

AWARDS AND HONORS

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

Rackham Conference Travel Grant (\$1100) CHI'19

RECENT PUBLICATIONS

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. (To appear).

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.

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.

PATENTS

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

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

TEACHING ASSISTANTSHIP

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

Fall 2020

Graduate Student Instructor, Introduction to Human-Computer Interaction Research

Fall 2021

LEADERSHIP AND SERVICE

Co-Chair, ECSEL+, University of Michigan

2021-2023

Student Volunteer, ACM FAccT Conference

2021

Reviewer, Late Breaking Work, CHI.

2021

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

2020

External Relations Chair, ECSEL+, University of Michigan.

2020-2021

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

2020

Reviewer, Case Studies, CHI.

2020

Reviewer, Late Breaking Work, CHI.

2019

MENTORING

Caitlin Henning, Undergraduate Student, University of Michigan.

2021-present

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

2021-2022

Filip Saulean, Undergraduate Student, University of Michigan.

2020-21

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, Venice, California.

2017-18

SKILLS

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

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

Quantitative Research Methods: Machine Learning, Reinforcement Learning, Experiments

Qualitative Research Methods: Interviews, Ethnography, Diary Studies.

