

Purva Tendulkar

470-685-4550 | purva.tendulkar@columbia.edu | [linkedin.com/in/purvaten](https://www.linkedin.com/in/purvaten) | github.com/purvaten

EDUCATION

Columbia University

PhD in Computer Science
GPA: 4.3/4.0

New York, NY, USA

Sep. 2021 – ongoing

Georgia Institute of Technology

Master of Science in Computer Science (Specialization: Machine Learning)
GPA: 4.0/4.0

Atlanta, GA, USA

Aug. 2018 – Aug. 2020

College of Engineering Pune

Bachelor of Technology in Computer Science
GPA: 9.14/10.0

Pune, MH, India

Aug. 2014 – May 2018

RESEARCH INTERESTS

Machine Learning, 3D Computer Vision, Natural Language Processing

PUBLICATIONS

- **Attention Reveals Occlusions**

Basile Van Hoorick, Purva Tendulkar, Dídac Surís, Dennis Park, Simon Stent, Carl Vondrick
ArXiv preprint

- **SOrT-ing VQA Models: Improving Consistency via Gradient Alignment**

Sameer Dharur, Purva Tendulkar, Dhruv Batra, Devi Parikh, Ramprasaath R. Selvaraju
Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), 2021
Interpretable Inductive Biases and Physically Structured Learning (NeurIPS), 2020

- **Feel The Music: Automatically Generating A Dance For An Input Song**

Purva Tendulkar, Abhishek Das, Aniruddha Kembhavi, Devi Parikh
International Conference on Computational Creativity (ICCC) 2020, Oral

- **SQuINTing at VQA Models: Interrogating VQA Models with Sub-Questions**

Ramprasaath R. Selvaraju, Purva Tendulkar, Devi Parikh, Eric Horvitz, Marco Tulio Ribeiro, Besmira Nushi, Ece Kamar
Conference on Computer Vision and Pattern Recognition (CVPR) 2020, Oral (5.7% acceptance rate)

- **Trick or TReAT: Thematic Reinforcement for Artistic Typography**

Purva Tendulkar, Kalpesh Krishna, Ramprasaath R. Selvaraju, Devi Parikh
International Conference on Computational Creativity (ICCC) 2019, Oral

WORK EXPERIENCE

University of California San Diego

Research Staff | Supervisor: Xiaolong Wang

Aug. 2020 – Mar. 2021

San Diego, CA

Georgia Institute of Technology

Graduate Research Assistant | Supervisor: Devi Parikh

Aug. 2019 – Aug. 2020

Atlanta, GA

AiBee

Research Intern | Supervisors: Chunhui Gu, Juan Carlos Niebles, Silvio Savarese

May 2019 – Aug. 2019

Palo Alto, CA

Nanyang Technological University

Research Assistant | Supervisor: Arvind Easwaran

May 2017 – Aug. 2017

Singapore

Indian Institute of Technology, Bombay

Software Development Intern | Supervisor: Varsha Apte

May 2016 – Jul. 2016

Mumbai, India

AWARDS & ACHIEVEMENTS

- **Columbia University Ph.D. Presidential Fellowship** *2021-2025*
- **ICCC Best Presentation Award** *2019*
- **Pratibha Eaton Excellence Award** *2017*

TEACHING & MENTORSHIP

- **Teaching Assistant - Representation Learning COMS 6998** *Columbia University, Fall 2021*
- **Women in Science (WISC) Undergraduate Mentor** *Columbia University, Fall 2021*
- **BEARS Undergraduate Mentor** *Barnard College, Spring 2022*

REVIEWING

- **International Conference on Computer Vision (ICCV)** *2021*
- **Computer Vision and Pattern Recognition (CVPR)** *2022*