Purva Tendulkar

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EDUCATION

Columbia University   New York, NY, USA
PhD in Computer Science   *Sep. 2021 – ongoing*
GPA: 4.3/4.0

Georgia Institute of Technology   Atlanta, GA, USA
Master of Science in Computer Science (Specialization: Machine Learning)   *Aug. 2018 – Aug. 2020*
GPA: 4.0/4.0

College of Engineering Pune   Pune, MH, India
Bachelor of Technology in Computer Science   *Aug. 2014 – May 2018*
GPA: 9.14/10.0

RESEARCH INTERESTS

Machine Learning, 3D Computer Vision, Natural Language Processing

PUBLICATIONS

- **Revealing Occlusions with 4D Neural Fields**
  Basile Van Hoorick, **Purva Tendulkar**, Dídac Surís, Dennis Park, Simon Stent, Carl Vondrick
  Conference on Computer Vision and Pattern Recognition (CVPR) 2022, **Oral**

- **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   Aug. 2020 – Mar. 2021
Research Staff | Supervisor: Xiaolong Wang   *San Diego, CA*
Georgia Institute of Technology   Aug. 2019 – Aug. 2020
Graduate Research Assistant | Supervisor: Devi Parikh   *Atlanta, GA*
AiBee   May 2019 – Aug. 2019
Research Intern | Supervisors: Chunhui Gu, Juan Carlos Niebles, Silvio Savarese   *Palo Alto, CA*
Nanyang Technological University   May 2017 – Aug. 2017
Research Assistant | Supervisor: Arvind Easwaran   *Singapore*
Indian Institute of Technology, Bombay   May 2016 – Jul. 2016
Software Development Intern | Supervisor: Varsha Apte   *Mumbai, India*

Awards & Achievements

- **Sponsored attendee at the CRA Graduate Cohort for Women** *2022*
- **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, Spring 2022*
- **BEARS Undergraduate Mentor** *Barnard College - Spring 2022*

Reviewing

- **International Conference on Computer Vision (ICCV)** *2021*
- **European Conference on Computer Vision (ECCV)** *2022*