

Jaydeep Jitendra Borkar

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🏠 <http://jaydeepborkar.github.io/>

🌐 <https://github.com/jaydeepborkar>

EDUCATION

Northeastern University

Sept 2021 - present

Ph.D. in Computer Sciences

Advisor: Alina Oprea

Savitribai Phule Pune University

2016 - 2020

Bachelor's degree in Computer Engineering

CIFAR Deep Learning + Reinforcement Learning Summer School

Aug 2020

Hosted by Mila

Amongst 300 students selected across 45 countries for the summer school

RESEARCH EXPERIENCE

Graduate Research Assistant at NDS2 Lab

Sept 2021 - May 2022

Advisor: Alina Oprea

Privacy and machine unlearning.

MIT-IBM Watson AI Lab

August 2020 - July 2021

External Research Student (Research Collaboration)

Advisor: Dr. Pin-Yu Chen

Worked on developing new methods for adversarial image generation that go beyond L_p norm balls.

Research Interests: Trustworthy Machine Learning; privacy, security, fairness, interpretability, and human-centered AI.

TEACHING EXPERIENCE

DA5030 Introduction to Data Mining and Machine Learning

Summer 2022

DA5030 Introduction to Data Mining and Machine Learning

Fall 2022

PAPERS

Simple Transparent Adversarial Examples

Jaydeep Borkar and Pin-Yu Chen

ICLR 2021 Workshop on Security and Safety in Machine Learning Systems

Link: <https://aisecure-workshop.github.io/aml-iclr2021/papers/48.pdf>

ACCEPTED POSTERS

AI, why you ain't fair? : Understanding AI Bias

Jaydeep Borkar

PyCon India 2019, Chennai, India.

Link to the poster: <https://jaydeepborkar.github.io/aibias.pdf>

ORGANIZING

Trustworthy ML Initiative

Co-organizer of Trustworthy ML Initiative along with Prof. Hima Lakkaraju (Harvard), Sara Hooker (Cohere for AI), Sarah Tan (Facebook), Subho Majumdar (Splunk), Chhavi Yadav (University of California, San Diego), Chirag Agarwal (Harvard), and Haohan Wang (UIUC).

AWARDS AND HONORS

- ICML 2021 Travel Grant Award for Safety and Security in Machine Learning Systems workshop. 2021

- Accepted to CIFAR Deep Learning + Reinforcement Learning Summer School. Amongst **300** students selected across **45** countries. 2020
- Awarded student grant to attend [USENIX Security 2020](#) 2020
- Poster speaker at [PyCon India](#). 2019

SERVICE

Volunteering

- Neural Information Processing Systems (**NeurIPS**) 2020
- International Conference on Machine Learning (**ICML**) 2020
- International Conference on Learning Representations (**ICLR**) 2020
- Women in Data Science (WiDS) Pune Conference 2019.
- Google Developer Group (GDG) Pune DevFest 2018.

ADDITIONAL

- Assisted Kerala Flood Search and Rescue Team during 2018 Kerala floods as a chat support volunteer in rescue operations.
- TEDx Azadnagar core crew.
- Developed a non-profit platform [Empowerange](#) to aggregate all the NGOs in the country so that the citizens can easily find them and contribute.
- Volunteered for [MakerGhat](#), a non-profit community maker-space in Mumbai.