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 *Lp* 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

- Travel Grant Award to attend the first IEEE conference on Secure and Trustworthy Machine Learning (**SaTML**). 2022
- 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.