

Bishwamittra Ghosh

Curriculum Vitae

Personal Details

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Date of Birth: 28 November 1995

Website: <https://bishwamittra.github.io/>

Research Interest

My current research interest is in explainable and fair machine learning using formal methods in Computer Science.

Education

National University of Singapore, Singapore

2018 - Present

Ph.D. candidate in School of Computing

Bangladesh University of Engineering and Technology, Bangladesh

2013 - 2017

BSc. with Honors degree in Computer Science and Engineering

Selected Publications

- [1] Algorithmic Fairness Verification with Graphical Models
Bishwamittra Ghosh, Debabrota Basu, Kuldeep S. Meel
Proceedings of AAAI, 2022
- [2] Justicia: A Stochastic SAT Approach to Formally Verify Fairness
Bishwamittra Ghosh, Debabrota Basu, Kuldeep S. Meel
Proceedings of AAAI, 2021
- [3] A MaxSAT-based Framework for Group Testing
Lorenzo Ciampiconi, **Bishwamittra Ghosh**, Jonathan Scarlett, Kuldeep S. Meel
Proceedings of AAAI, 2020
- [4] IMLI: An Incremental Framework for MaxSAT-Based Learning of Interpretable Classification Rules
Bishwamittra Ghosh, Kuldeep S. Meel
Proceedings of AIES, 2019
- [5] The Flexible Socio Spatial Group Queries
Bishwamittra Ghosh, Mohammed Eunus Ali, Farhana M. Choudhury, Sajid Hasan Apon, Timos Sellis, Jianxin Li
Proceedings of the VLDB Endowment (PVLDB), 2019

Professional Experiences

Conference Talks

AAAI-2022, AAAI-2021, AAAI-2020, ECAI-2020, CP-2019, VLDB-2019, IJCAI-2019, AIES-2019

Research Internship

- Inria, Lille-Nord, France 2021
- Goldman Sachs, Singapore 2021
- Max Planck Institute For Software Systems, Kaiserslautern, Germany 2020

Graduate Assistant

School of Computing, National University of Singapore 2018 - 2021

Reference

Kuldeep S. Meel

Sung Kah Kay Assistant Professor
School of Computing
National University of Singapore

Daniel Neider

Research group leader
Max Planck Institute For Software Systems, Kaiserslautern, Germany

Debabrota Basu

Faculty
Scool, Inria, Lille-Nord, France