

# Bishwamittra Ghosh

## Curriculum Vitae

### Personal Details

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**Contact Address:** Block 413, Sembawang Dr #05-712, Singapore 750413

**Email:** bghosh@u.nus.edu

**Phone:** +65 85990160

**Date of Birth:** 28 November 1995

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

### Research Interest

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

### Education

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<b>National University of Singapore, Singapore</b> Ph.D. candidate in School of Computing	2018 - Present
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<b>Bangladesh University of Engineering and Technology, Bangladesh</b> BSc. with Honors degree in Computer Science and Engineering	2013 - 2017
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### Selected Publications

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- [1] Justicia: A Stochastic SAT Approach to Formally Verify Fairness  
**Bishwamittra Ghosh**, Debabrota Basu, Kuldeep S. Meel  
Proceedings of AAAI, 2021
- [2] A MaxSAT-based Framework for Group Testing  
Lorenzo Ciampiconi, **Bishwamittra Ghosh**, Jonathan Scarlett, Kuldeep S. Meel  
Proceedings of AAAI, 2020
- [3] IMLI: An Incremental Framework for MaxSAT-Based Learning of Interpretable  
Classification Rules  
**Bishwamittra Ghosh**, Kuldeep S. Meel  
Proceedings of AIES, 2019
- [4] 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

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### Conference Talks

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

### Internship

Max Planck Institute For Software Systems, Kaiserslautern, Germany

2020

### Graduate Assistant

School of Computing, National University of Singapore

2018 - Present

## Reference

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### 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