

Bishwamittra Ghosh

Curriculum Vitae

Personal Details

Contact Address:

Utown residence, 36 College Ave East, North tower, #19-207C, Singapore 138600

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Phone: +65 85990160

Date of Birth: 28 November 1995

Research Interest

My research interest is in interpretable machine learning using different combinatorial optimization frameworks, for example, MaxSAT, MILP.

Education

National University of Singapore, Singapore

2018 - Present

Ph.D. candidate in Department of Computer Science

Bangladesh University of Engineering and Technology, Bangladesh

2013 - 2017

BSc. with Honors degree in Computer Science and Engineering

Publications

Publications are listed in reverse chronological order.

Conference papers

[C1] Classification Rules in Relaxed Logical Form

Bishwamittra Ghosh, Dmitry Malioutov, Kuldeep S. Meel
Proceedings of ECAI, 2020

[C2] A MaxSAT-based Framework for Group Testing

Lorenzo Ciampiconi, **Bishwamittra Ghosh**, Jonathan Scarlett, Kuldeep S. Meel
Proceedings of AAAI, 2020

[C3] IMLI: An Incremental Framework for MaxSAT-Based Learning of Interpretable Classification Rules

Bishwamittra Ghosh, Kuldeep S. Meel
Proceedings of AAAI/ACM Conference on AI, Ethics, and Society (AIES), 2019

Journal papers

[J1] The Flexible Socio Spatial Group Queries

Bishwamitra Ghosh, Mohammed Eunus Ali, Farhana M. Choudhury, Sajid Hasan Apon, Timos Sellis, Jianxin Li

Proceedings of the VLDB Endowment (PVLDB), 2019

Workshop papers

[W1] Interpretable Classification Rules in Relaxed Logical Form

Bishwamitra Ghosh, Dmitry Malioutov, Kuldeep S. Meel

IJCAI workshop on XAI (Explainable Artificial Intelligence) and DSO (Data Science meets Optimization), 2019

Professional Experiences

Conference Talks

IJCAI-2019, VLDB-2019, AIES-2019, CP-2019

Graduate Assistant, National University of Singapore

2018 - Present

CS2030 Programming Methodology II