

Apratim Bhattacharyya

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RESEARCH INTERESTS

- Probabilistic Modelling.
- Bayesian Learning.
- Latent Variable Models.

CURRENT POSITION

July 2016 - Current | PhD Student, MAX PLANCK INSTITUTE FOR INFORMATICS
Supervisors: Dr. Bernt Schiele and Dr. Mario Fritz
Topic: Intersection of probabilistic and deep learning methods.

PROFESSIONAL EXPERIENCE

April-July 2019 | PhD Intern, BOSCH CENTER FOR ARTIFICIAL INTELLIGENCE
Group: Environmental Understanding and Decision Making
Topic: Anticipation for Autonomous Driving .

May-July 2013 | Intern, TU DRESDEN
Supervisor: *Dr. Yue Ma*
Topic: Multi-label Classification over Ontologies

EDUCATION

SEPTEMBER 2016 | Master of Science in Informatics,
Saarland University, Germany
GPA: 1.1, Honor's Degree (Best GPA: 1)
Thesis: "Efficiently Summarising Sequences with Rich and Interleaving Patterns."
Advisor: Dr. Jilles Vreeken

MAY 2014 | Bachelor of TECHNOLOGY in Computer Engineering,
National Institute of Technology, Karnataka, India
GPA: 9.28 (Best GPA: 10)

SCHOLARSHIPS

- 2014 Saarbrücken Graduate School of Computer Science (Preparatory Phase).
- 2014 Campus France Charpak scholarship (Masters).
- 2014 European Master's Program in Computational Logic Grant.
- 2013 DAAD - Working Internships in Science and Technology Scholarship.
- 2010 All India Engineering Entrance Examination: In the top 1%.

PROFESSIONAL ACTIVITIES

- Reviewer: *NIPS 2019, ICCV 2019, CVPR 2018, TPAMI, AAI 2019, ACM CSCS 2018/19.*

TEACHING

- Tutor: *Machine Learning Core Course (Stammvorlesung), Winter Semester 2018-19.*

PUBLICATIONS

- 2019 BAYESIAN PREDICTION OF FUTURE STREET SCENES USING SYNTHETIC LIKELIHOODS
A. Bhattacharyya, M. Fritz and B. Schiele, ICLR 2019
- 2019 UPDATES-LEAK: DATA SET INFERENCE AND RECONSTRUCTION ATTACKS IN ONLINE LEARNING
A. Salem, A. Bhattacharyya, M. Backes, M. Fritz, Y. Zhang, arXiv 2019 (under review)
- 2018 ACCURATE AND DIVERSE SAMPLING OF SEQUENCES BASED ON A “BEST OF MANY” SAMPLE OBJECTIVE
A. Bhattacharyya, B. Schiele and M. Fritz, CVPR 2018 (**oral**)
- 2018 LONG-TERM ON-BOARD PREDICTION OF PEOPLE IN TRAFFIC SCENES UNDER UNCERTAINTY
A. Bhattacharyya, M. Fritz and B. Schiele, CVPR 2018
- 2018 LONG TERM IMAGE BOUNDARY PREDICTION
A. Bhattacharyya, M. Malinowski, B. Schiele and M. Fritz, AAI 2018
- 2017 EFFICIENTLY SUMMARISING EVENT SEQUENCES WITH RICH INTERLEAVING PATTERNS
A. Bhattacharyya and J. Vreeken, SDM 2017
- 2017 LONG-TERM ON-BOARD PREDICTION OF PEDESTRIANS IN TRAFFIC SCENES
A. Bhattacharyya, M. Fritz and B. Schiele, CoRL 2017 Workshop track.
- 2016 LONG TERM BOUNDARY EXTRAPOLATION FOR DETERMINISTIC MOTION
A. Bhattacharyya, M. Malinowski and M. Fritz, NIPS Workshop on Intuitive Physics, 2016

OTHER INTERESTS

- Sports: *Running, Badminton, Hiking.* • Music: *Piano.* • Literature: *Science Fiction.*