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EDUCATION

International Max Planck Research School for Intelligent Systems

PhD, Machine learning,   2018 - Present.

- **Research interests -** My research interests lie broadly in the theoretical analysis of learning problems and algorithms. Currently, I am interested in studying the statistical-computational trade-offs exhibited by kernel methods and their information-theoretic limits under parameteric as well as non-parameteric assumptions.

- **Advisors -** Prof. Debarghya Ghoshdastidar, Prof. Dr. Ulrike von Luxburg.

University of Tübingen

Master thesis, 2017,   Grade 1.0/1.0.

- **Topic -** Metric embeddings for machine learning.

- **Advisor -** Prof. Dr. Ulrike von Luxburg,

University of Hamburg

M.S, Intelligent Adaptive Systems, 2014 - 2017,   Grade:1.1/1.0.

- **Key courses -** Machine learning, Neural networks, Image processing, Cognitive computer vision, Language processing, Knowledge processing, Bio inspired artificial intelligence, Intelligent robotics.

BITS(Birla Institute of Technology and Sciences) Pilani

Bachelors and Master of Science(Hons), Mathematics, 2007 - 2012,   GPA: 8.85/10.
Bachelor of Engineering(Hons), Mechanical Engineering, 2007 - 2012, CGPA: 7.22/10.

- **Key courses -** Optimization, Measure and integration, Topology, Real analysis, Functional analysis, Algebra, Linear algebra, Differential geometry, Non linear dynamics and chaos, Numerical analysis, Neural networks, Image processing.

PUBLICATIONS Leena Chennuru Vankadara, Debarghya Ghoshdastidar, On the optimality of kernels for high-dimensional clustering. **Under review** in 23rd International Conference on Artificial Intelligence and Statistics **(Under review: AISTATS 2020)**.

Siavash Haghiri, Leena Chennuru Vankadara, Ulrike von Luxburg, Large scale representation learning from triplet comparisons. **Under review** in 8th International Conference on Learning Representations **(Under review: ICLR 2020)**.

Leena Chennuru Vankadara, Ulrike von Luxburg, Measures of distortion for machine learning. In 32nd Conference on Neural Information Processing Systems **(NeurIPS 2018)**.

Iris Wieser, Leena Chennuru Vankadara, et al. A Robotic home assistant with memory aid functionality. In 39th German Conference on Artificial Intelligence **(KI 2016)**.

RESEARCH POSITIONS

Max Plank Institute for Intelligent Systems, Tübingen

Research internship (Statistical Learning Theory group)   2018

Cognitive Systems, University of Hamburg
Student Assistant, Writer identification in Manuscripts and creation of a web based, interactive image processing tool. 2015 - 2017

WTM, University of Hamburg
Research Assistant, Creation of simulated interactive environments for experimentation in object tracking, sound localization and gesture recognition. 2015

CINACS, University of Hamburg
Student Assistant, Design and development of haptic maps. 2014 - 2015

TEACHING EXPERIENCE	**Department of Computer Science, University of Tübingen**

Teaching Assistant for **Machine learning, theory and algorithms** 2017 - 2018
- Involved creating weekly assignments, grading the submissions and conducting tutorial sessions.

Department of Mathematics, BITS Pilani
Teaching Assistant for the course **Real Analysis** 2011
- Involved conducting tutorials and support in consultation hour.

WORK EXPERIENCE	**ASCI, Hyderabad, India.**

Back-end and front-end developer 2011 - 2012

COMMUNITY SERVICE	• Reviewing for ICML, AISTATS, NeurIPS, IJCAI.

LIFE EXPERIENCE	**Volunteer for Aam Aadmi Party, India.**

Involved campaigning for Yogendra Yadav (Gurgaon constituency) in the 2014 Indian general elections. 2013 - 2014

Civic education, Srirams IAS Academy, Delhi, India.
Extensively studied Indian Economy, Polity, History, Geography. 2012 - 2013

ACHIEVE-MENTS	• Top of the class in many of the Department (Mathematics) subjects and all the elective courses in the Bachelor's program.

- State level rank holder in the Indian National Mathematics Olympiad.
- National runner up in the Golden Design Challenge for the design of a high quality water purification system (Indian Institute of Technology, Madras).
- National finalist in a design competition for the design of an Automated car parking system. (Indian Institute of Technology, Bombay)
- State level rank holder in the Dr. J.V Rao Talent Search Examination.

- Scholarship for a fully funded Secondary Education by Shri Kalyana Chakravarthy Trust (60000 INR)

EXTRA CURRICULARS

- Quality manager of the Placement team, BITS PILANI.
- Headed the Venue management team of QUARK 09 (Technical festival of the University), BITS PILANI.
- Member of the Information management team, QUARK 08 (Technical festival of the University), BITS PILANI.
- Member of the Core committee of the Environmental Protection and Awareness Club, BITS PILANI.
- An Award Winning Member of the 14th National Jamboree of National Scouts and Guides.

Languages

Human: Telugu, Hindi and English
Machine: PYTHON, C/C++