Raksha Kumaraswamy

<div align="right">Curriculum Vitae</div>

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(780)709-3025
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EDUCATION

University of Alberta, Edmonton, Alberta, Canada

Ph.D., Computer Science   2017-present
Department of Computing Science
Advisor: Martha White

Indiana University Bloomington, Bloomington, Indiana, United States

Ph.D., Computer Science   2015-2017
School of Informatics and Computing
Advisor: Martha White

M.S., Computer Science   2013-2015
School of Informatics and Computing

Visvesvaraya Technological University, Belagavi, Karanataka, India

B.E., Computer Science   2008-2012
S. J. B. Institute of Technology

RESEARCH INTERESTS

Machine learning, representation learning, reinforcement learning.

RESEARCH EXPERIENCE

Research Assistant   2017-present
Reinforcement Learning and Artificial Intelligence lab, University of Alberta (Edmonton, Canada)
Advisor: Martha White

Research Assistant   2015-2017
Machine Learning lab, Indiana University Bloomington (Indiana, United States)
Advisor: Martha White

Research Assistant   2013-2015
StaR-AI lab, Indiana University Bloomington (Indiana, United States)
Advisor: Sriraam Natarajan

Research Assistant   Winter 2013
Game Theory lab, Indian Institute of Science (Karnataka, India)
Advisor: Y. Narahari

TEACHING EXPERIENCE

CSCI B555: Machine Learning   Fall 2016
Indiana University Bloomington

PUBLICATIONS **Conference Papers**

[1] L. Le, R. Kumaraswamy and M. White. **Learning Sparse Representations in Reinforcement Learning with Sparse Coding**. *International Joint Conference on Artificial Intelligence (IJCAI)*. 2017.

[2] P. Odom, R. Kumaraswamy, K. Kersting and S. Natarajan. **Learning through Advice-Seeking via Transfer**. *International Conference on Inductive Logic Programming (ILP)*. 2016.

[3] R. Kumaraswamy, P. Odom, K. Kersting, D. Leake and S. Natarajan. **Transfer Learning via Relational Type Matching**. *IEEE International Conference on Data Mining (ICDM)*. 2015.

Poster Abstracts

[1] R. Kumaraswamy, A. Wazalwar, T. Khot, J. Shavlik and S. Natarajan. **Anomaly Detection in Text: The Value Of Domain Knowledge**. *The Florida Artificial Intelligence Research Society (FLAIRS)*. 2015.

Workshop Papers

[1] R. Kumaraswamy, P. Odom, K. Kersting, D. Leake and S. Natarajan. **Transfer Learning Across Relational and Uncertain Domains: A Language-Bias Approach**. *International Workshop on Statistical Relational AI (StarAI)*. 2015.

PRESENTATIONS *Transfer Learning via Relational Type Matching*. ICDM, November 2015.

Anomaly Detection in Text: The Value Of Domain Knowledge. FLAIRS, May 2015.

TECHNICAL SKILLS
- Proficient in C, C++, Java, and Python.
- Strong in MATLAB, and web-scripting languages like Javascript.
- Some experience in R, and mobile development in Android and Windows 8.
- Comfortable with Linux OS and other UNIX and Windows variants.
- Familiar with IDEs like Eclipse, XCode, and CMSs like Drupal.

AWARDS Travel Award, ICDM, November 2015.

Best Poster award, FLAIRS, May 2015.

SERVICES **Academic Service**

- **Reviewer** 2016 - Present
  Conferences: AAAI

University Service
Events Chair for Women In Computing 2013-2014

Departmental Service
Computer Science Colloquium Committee 2016-present