

Kishan KC

PhD Student, Human-Centric Multi-Modal Modelling Lab
Golisano College of Computing and Information Sciences
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RESEARCH INTERESTS

Data Science, Deep Learning, Graph Neural Networks, Computational Biology

EDUCATION

Rochester Institute of Technology (RIT) Ph.D. in Computing and Information Sciences Advisors: Professor Anne Haake and Professor Rui Li	Rochester, New York Aug 2016 - Present
Institute of Engineering, Tribhuvan University B.E. in Computer Engineering Graduated with distinction, GPA 4.0/4.0	Lalitpur, Nepal Jan 2010 – Oct 2014

PROFESSIONAL EXPERIENCE

Data Engineer (Verisk Information Technologies) Research and Development Team Project: Medical Intelligence	Kathmandu, Nepal May 2015 – Jun 2016
Software Trainee (Yomari Inc. Private Limited) Data Warehousing ETL Team Project: Express Enterprise Data Warehouse	Lalitpur, Nepal Oct 2014 – Apr 2015
Research Intern (E&T Nepal Private Limited) Research and Development Team Project: 3D CAD Viewer with HTML5 over SSL	Bhaktapur, Nepal May 2013 – Dec 2013

PUBLICATIONS

- K. KC, R. Li, F. Cui, and A. Haake, **GNE: A deep learning framework for gene network inference by biological information**, APBC (2019).
- R. Li, K. KC, F. Cui, J. Domke, and A. Haake, **Sparse covariance modeling in high dimensions with gaussian processes**, NeurIPS (2018) (Spotlight Presentation).

POSTERS

- **A deep learning framework for aggregating heterogeneous biological information for gene network inference.**
 - AI@GCCIS: Golisano College Research & Innovation Showcase (2018), RIT.
 - Biological Data Science (2018), Cold Spring Harbor Laboratory, NY, USA.
- **Learning topology-preserving embedding for gene interaction networks.**
17th European Conference on Computational Biology (ECCB 2018), Athens, Greece.
- **Gene Network Embedding**
New Deep Learning Techniques (2018), IPAM, UCLA, CA, USA.
- **Reconstruction of Gene Regulatory Networks with Ensemble SVM**
AI@GCCIS: Golisano College Research & Innovation Showcase (2017), RIT.

AWARDS AND SCHOLARSHIPS

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|---|------|
| • Pytorch Scholarship Challenge from Facebook, Udacity | 2018 |
| • RIT Ph.D. Merit Scholarship, Rochester Institute of Technologies | 2018 |
| • The Verisk Way to Go Award, Verisk Information Technologies | 2016 |
| • Team of the Quarter, Verisk Information Technologies | 2016 |
| • Rookie of the Year, Verisk Information Technologies | 2015 |
| • The College Fellowship Scholarship, Institute of Engineering | 2014 |
| • Semester Topper Scholarship, Institute of Engineering | 2014 |
| • Batch Topper Scholarship, Institute of Engineering | 2014 |

CERTIFICATIONS

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| • Data Science Certification, Coursera | 2016 |
| • Statistical Machine Learning, Stanford Online | 2015 |

TECHNICAL SKILLS

Deep Learning Framework	PyTorch, TensorFlow, Keras
Programming Languages	Python, R, Java
Database & Query Languages	MySQL, SQL, PL/SQL

MISCELLANEOUS

- **Talks**
 - Introduction to Neural Networks 2018
Statistical Machine Learning, Rochester Institute of Technology
 - Deep Learning on Graphs 2018
Deep Learning Seminar, Rochester Institute of Technology
- **Volunteering**
 - Student volunteer, ECCB 2018, Athens, Greece
- **Open source contributions:** see <https://github.com/kckishan>