Kishan KC

PhD Student, Human-Centric Multi-Modal Modelling Lab   web: kishankc.com.np
Golisano College of Computing and Information Sciences   email: kk3671@rit.edu
Rochester Institute of Technology (RIT), New York, USA

RESEARCH INTERESTS

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

EDUCATION

Rochester Institute of Technology (RIT)   Rochester, New York
Ph.D. in Computing and Information Sciences   Aug 2016 - Present
Advisors: Professor Anne Haake and Professor Rui Li

Institute of Engineering, Tribhuwan University   Lalitpur, Nepal
B.E. in Computer Engineering   Jan 2010 – Oct 2014
Graduated with distinction, GPA 4.0/4.0

PROFESSIONAL EXPERIENCE

Data Engineer (Verisk Information Technologies)   Kathmandu, Nepal
Research and Development Team   May 2015 – Jun 2016
Project: Medical Intelligence

Software Trainee (Yomari Inc. Private Limited)   Lalitpur, Nepal
Data Warehousing ETL Team   Oct 2014 – Apr 2015
Project: Express Enterprise Data Warehouse

Research Intern (E&T Nepal Private Limited)   Bhaktapur, Nepal
Research and Development Team   May 2013 – Dec 2013
Project: 3D CAD Viewer with HTML5 over SSL

PUBLICATIONS

- <u>K. KC</u>, R. Li, F. Cui, and A. Haake, **GNE: A deep learning framework for gene network inference by biological information,** APBC (2019).

- R. Li, <u>K. KC</u>, 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

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

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
- **Open source contributions**: see https://github.com/kckishan