Kishan KC

PhD Student, Human-Centric Multi-Modal Modelling Lab

Golisano College of Computing and Information Sciences

Rochester Institute of Technology (RIT), New York, USA

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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).

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 Learning, Stanford Online   2015

TECHNICAL SKILLS

Deep Learning Framework	PyTorch
Programming Languages	Python, R
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