Jaswanth Yella

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EDUCATION

2019 - Present University of Cincinnati
Ph.D. in Computer Science *(current)*
Advisors: Dr. Anil G. Jegga & Dr. Ali A. Minai
Research Interests: Knowledge Representation Learning, Computational Drug Discovery

2016 - 2018 University of Cincinnati
M.S. in Computer Science
Advisors: Dr. Anil G. Jegga & Dr. Ali A. Minai

2009 - 2013 Jawaharlal Nehru Technological University - Hyderabad, India
B.Tech. in Computer Science

PUBLICATIONS

2019 Wang, Y., **Yella, J.**, & Jegga, A. G. Transcriptomic Data Mining and Repurposing for Computational Drug Discovery. In Computational Methods for Drug Repurposing (pp. 73-95). Humana Press, New York, NY.

2018 **Yella, J.K.**; Yaddanapudi, S.; Wang, Y.; Jegga, A.G. Changing Trends in Computational Drug Repositioning. Pharmaceuticals, 11, 57

2018 Wang, Y., Yaddanapudi1, S., **Yella, J.**, Sontake, V., Madala, S.K. and Jegga, A., Integrative Omics to Discover Drug Repurposing Candidates for Idiopathic Pulmonary Fibrosis. In A42. ILD SCIENTIFIC ABSTRACTS: TREATMENT AND ACUTE EXACERBATION (pp. A1637-A1637). American Thoracic Society

2018 Wang, Y., **Yella, J.**, Madala, S.K. and Jegga, A.,Prioritizing Idiopathic Pulmonary Fibrosis Candidate Genes Based on" Guilt by Association" Analysis. In A68. MOLECULAR DETERMINANTS OF REMODELING IN LUNG FIBROSIS (pp. A2228-A2228). American Thoracic Society

2017 Wang Y, **Yella J**, Chen J, McCormack F, Madala S, Jegga AG. Unsupervised gene expression analyses identify IPF-severity correlated signatures, associated genes and biomarkers. BMC Pulmonary Medicine 17: 133. (doi: 10.1186/s12890-017-0472-9)

POSTERS & TALKS

2019 Heterogeneous drug network modules to predict and characterize drug-drug interactions. AMIA Conference.

2019 Deep learning improves prediction of drug-drug and drug-food interactions.
BMI-Journal Club, CCHMC.

2018 Machine Learning Based Prediction of Drug-Drug Interaction Severity.
ISMB Conference.

SERVICE

2019 Cell - Chemical Biology (Secondary Reviewer)

2019 Oxford University Press - Bioinformatics Journal (Secondary Reviewer)

AWARDS

2019 Full scholarship from JeggaLab,
Cincinnati Children's Hospital Research Center, OH.

2019 Ph.D. - University Graduate Scholarship Fund,
University of Cincinnati, OH

2018 Clue workshop travel award,
Broad Institute, Cambridge, MA

2018 Full scholarship from JeggaLab,
Cincinnati Children's Hospital Research Center, OH.

2016 Masters - University Graduate Scholarship Fund,
University of Cincinnati, OH

PROFESSIONAL EXPERIENCE

2017 - Graduate Research Assistant
Cincinnati Children's Hospital, Cincinnati, OH, USA

2015 - 2016 Software Development Engineer,
NorthAlley, Hyderabad, India

2015 - 2015 Full Stack Developer/Founding Member,
BonSoul, Hyderabad, India

2013 - 2014 Sr. Assoiciate,
Dell International Services, Hyderabad, India

VOLUNTEER EXPERIENCE

2015-2016 Associate Director of Technology, Kairos Society, India

2014-2015 Secretary, Rotaract Club of Banjara, India

2012-2013 Evangelist, Microsoft Student Partner, India

SELECT COURSE WORK

Ph.D	Big Data Analytics, Advanced Methods in Machine Learning, Data Science in Biomedical Research
MS	Artificial Intelligence, Machine Learning, Advanced Algorithms, Intelligent Systems, Distributed AI & Autonomous Agents, Network Security
B.Tech.	Data Structures, Database Management Systems, Software Engineering, Operating Systems

SKILLS

Software	Python, R, JavaScript, MySQL, Scikit-learn, PyTorch, Keras, Spark, D3.js, Angular, Amazon Web Services
Languages	English, Hindi, Telugu

Updated August 2019