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 - Present   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