Rohit Farmer

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Professional Summary

Self-motivated and a team player with over 8 years of experience in computational research at the intersection of biology & chemistry, resulting in several collaborations and more than 15 peer-reviewed research publications. Google Scholar h-index 8, i10-index 7. Complete list upon request.

Employments

Postdoctoral Research Associate, *Washington University in St. Louis* .... 2018 – present
Conducting and managing independent as well as group projects related to the application of deep learning in drug metabolism. Results are translating into high impact publications and industry collaborations.

Assistant Professor, *Sam Higginbottom University of Agri., Tech. & Sci.* .... 2008-'11, '15-'18
Taught undergraduate and postgraduate courses in the bioinformatics domain. Mentored more than 10 dissertations. Produced students that are now industry leaders and seasoned academics.

Education

Ph.D. Biosciences, *University of Birmingham* 2011-2015
Discovered the fundamental structural and functional relationship of proteins involved in polyketide synthase pathways resulting in 4 research publications including one in *Nature Chemical Biology.* Won travel funding to attend several conferences around the globe.

M.Tech. Bioinformatics, *Sam Higginbottom Institute of Agri., Tech., Sci.* 2008-2010
Awarded silver medal and class rank 1. Graduated with the 1st division with honours. Carried out a dissertation on statistical analysis of differential gene expression due to epigenetic changes.

B.Tech. Biotechnology, *Allahabad Agricultural Institute* 2004-2008
Graduated with the 1st division with honours. Final semester project yield to 1 publication.

Skills

Comp. Biology	Molecular structure prediction, molecular docking, molecular dynamics simulation, and sequence analysis.
Exp. Biology	PCR, Gibson assembly, restriction digestion, plasmid transformation, microbiology techniques, HPLC amongst others.
Comp. Languages	Python, Perl, C++, R, LaTeX, HTML, CSS, and Java Script.
Data Science and ML Tools	Pandas, SciPy, NumPy, Matplotlib, Seaborn, Plotly, Scikit Learn, Keras, and TensorFlow.
Database & containers	SQLite, and Neo4J. Singularity, and Docker.
Operating Systems	Linux, MS Windows, and Mac OS X.

Résumé current as of November 18, 2018