vinaynair computational biologist

recontact 7900 Cambridge Street 5-2B Houston, Texas 77054 11832-571-8589	2007-2012	PhD in Biochemistry & Cell Biology MD Anderson UTHealth Graduate School, Houston, USA Modeling transmembrane potential in the context of cancer using high-performance computing. 5 years integrated Master of Science in Biotechnology Institute of Bioinformatics & Biotechnology, Pune, India Studying the positioning of chromosomes in interphase and mitosis using coarse-grained modeling.
11 032 371 0303	experience 2012 – 2014	Research Fellow
nairvinayv@gmail.com Vinay.Nair@uth.tmc.edu		Center for Development of Advanced Computing, Pune, India Development of data-driven predictive frameworks to solve various biological problems.
Viriay.i van @ deriieme.edd	2014-2016	Project Engineer Center for Development of Advanced Computing, Pune, India
areas of interest Life Sciences Data Sciences		Industrial collaboration with Lupin Limited for developing atomistic model of protein target used for drug screening. Development of predictive model for classification of protein structures as native and non-native.
areas of expertise Computational Biology	publications	
Biophysics Molecular Dynamics Simulations Supervised machine	2017	Malviya, S., Ramakrishnan, E.P., Jani, V., Uppuladinne, M.V.N., Nair, V. , Sonavane, U. & Joshi, R. <i>Hydrogen Bond Analysis Tool for Molecular Simulation Trajectories using MapReduce</i> Manuscript Submitted to Biodata Mining
learning techniques High-Performance Computing	2014	Gurav, A., Nair, V., Gupta, U., & Valadi, J. (2014). <i>Glowworm Swarm Based Informative Attribute Selection Using Support Vector Machines for Simultaneous Feature Selection and Classification.</i> In Swarm, Evolutionary, and Memetic Computing (pp. 27-37). Springer International Publishing.
awards CSIR-UGC NET research fellowship Selected for multiple workshops	2013	Nair, V., Dutta, M., Manian, S. S., Kumari, R., & Jayaraman, V.K. (2013). <i>Identification of Penicillin-binding proteins employing support vector machines and random forest.</i> Bioinformation, 9(9), 481.
Presented posters at multiple conferences Received multiple travel awards	2013	Nair, V., Sambre, D., Joshi, S., Bankar, A., Ravi Kumar, A., & Zinjarde, S. (2013). <i>Yeast-derived melanin mediated synthesis of gold nanoparticles.</i> Journal of Bionanoscience,7(2), 159-168.