

Suprateek Chatterjee

CONTACT INFORMATION	Lab-4315, CC-2, IIIT-Allahabad Allahabad, INDIA	✉: suprateek.chatterjea@gmail.com 🌐: suprateekchatterjee.github.io
RESEARCH INTERESTS	Biomedical Informatics, Network Biology, Molecular Networks, Network Medicine	
EDUCATION	Indian Institute of Information Technology , Allahabad, UP. Ph.D., Applied Sciences (Bioinformatics) 2014 - present Thesis: A Graph-Theoretic Approach To Model Pathogen-Host Interactions. Advisor: B. S. Sanjeev M.Tech., Applied Sciences (Bioinformatics) 2012 - 2014 Thesis: A Contact Map-Based Approach To Predict Conformational Epitope Residues. Advisor: B. S. Sanjeev Manipal University , Manipal, KA. B.S., Pharmaceutical Sciences 2007 - 2011	
RESEARCH EXPERIENCE	Research Assistant Department of Applied Sciences, Indian Institute of Information Technology, Allahabad	Jul 2014 - present
	Teaching Assistant Department of Applied Sciences, Indian Institute of Information Technology, Allahabad	Jul 2012 - Jun 2014
REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none">1. S. Chatterjee and B. S. Sanjeev, “Identification of Human Proteins vulnerable to multiple Organisms,” <i>In Proceedings of International Conference of Bioinformatics & Systems Biology (BSB)</i>, pp. 1-4, March 04-06, 2016. doi: 10.1109/BSB.2016.75521642. S. Chatterjee and B. S. Sanjeev, “Community detection in Epstein-Barr virus associated carcinomas and role of tyrosine kinase in etiological mechanisms for oncogenesis.” <i>Microbial Pathogenesis</i>, 180 (106115), pp. 1-7, 2023. doi: 10.1016/j.micpath.2023.1061153. S. Chatterjee and B. S. Sanjeev, “Network-based community detection of comorbidities and their association with SARS-CoV-2 virus during COVID-19 pathogenesis”. <i>Under revision</i>, 2023. doi: https://arxiv.org/pdf/2205.15968.pdf	

POSTERS	<ol style="list-style-type: none"> 1. S. Chatterjee and B. S. Sanjeev, “Modular Communities in Infectious Disease Networks”, <i>DMPH-2019 Meeting</i>, ICTS-TIFR Bangalore, Jul 03, 2019. 2. S. Chatterjee and B. S. Sanjeev, “Inter-connectivity leads to vulnerability in biological networks”, <i>Research Day</i>, IIIT Allahabad (Best poster prize), Mar 24, 2018. 																														
PAPERS IN PREPARATION	<ol style="list-style-type: none"> 1. S. Chatterjee and B. S. Sanjeev, “Community detection in infectious disease networks”. <i>In preparation</i>, 2022. 2. S. Chatterjee and B. S. Sanjeev, “Prediction of conformational epitopes using contact map-based approaches”. <i>In preparation</i>. 																														
AWARDS	<table> <tr> <td>Doctoral Fellowship</td><td>2014 - 2019</td></tr> <tr> <td>Post-graduate Scholarship</td><td>2012 - 2014</td></tr> </table>	Doctoral Fellowship	2014 - 2019	Post-graduate Scholarship	2012 - 2014																										
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TEACHING EXPERIENCE	<table> <tr> <td>Research Assistant</td><td></td></tr> <tr> <td>Omics-II</td><td>Jan-May 2019</td></tr> <tr> <td>Scripting & Computing Environments</td><td>Jul-Dec 2018</td></tr> <tr> <td>Omics-II</td><td>Jan-May 2018</td></tr> <tr> <td>Scripting & Computing Environments</td><td>Jul-Dec 2017</td></tr> <tr> <td>Omics-II</td><td>Jan-May 2017</td></tr> <tr> <td>Scripting & Computing Environments</td><td>Jul-Dec 2016</td></tr> <tr> <td>Introduction to Data Structures</td><td>Jan-May 2016</td></tr> <tr> <td>Algorithms Analysis & Programming Practices</td><td>Jul-Dec 2015</td></tr> <tr> <td>Language, Algorithms & Tools</td><td>Jan-May 2015</td></tr> <tr> <td>Algorithms Analysis & Programming Practices</td><td>Jul-Dec 2014</td></tr> <tr> <td>Teaching Assistant</td><td></td></tr> <tr> <td>Introduction to Programming</td><td>Jul-Dec 2013</td></tr> <tr> <td>Data Structures & Algorithms</td><td>Jan-May 2013</td></tr> <tr> <td>Introduction to C++ Language</td><td>Jul-Dec 2012</td></tr> </table>	Research Assistant		Omics-II	Jan-May 2019	Scripting & Computing Environments	Jul-Dec 2018	Omics-II	Jan-May 2018	Scripting & Computing Environments	Jul-Dec 2017	Omics-II	Jan-May 2017	Scripting & Computing Environments	Jul-Dec 2016	Introduction to Data Structures	Jan-May 2016	Algorithms Analysis & Programming Practices	Jul-Dec 2015	Language, Algorithms & Tools	Jan-May 2015	Algorithms Analysis & Programming Practices	Jul-Dec 2014	Teaching Assistant		Introduction to Programming	Jul-Dec 2013	Data Structures & Algorithms	Jan-May 2013	Introduction to C++ Language	Jul-Dec 2012
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PROFESSIONAL ACTIVITIES	Journal Paper Reviewer: Infection, Genetics and Evolution (Elsevier) Conference Paper Reviewer: IEEE WBSB
SKILLS AND INTERESTS	PLATFORM: Linux and Windows PROGRAMMING LANGUAGES: C, Perl, Python, R, L ^A T _E X WEB DEVELOPMENT: HTML/CSS, PHP OTHER TOOLS: Gnuplot, VMD, Chimera OFFICE WORK: MS Office, Libre Office OTHER INTERESTS: Quizzing, Photography, Playing Chess & Puzzles.
RELEVANT COURSES	Fundamentals of Computing, Data Structures & Algorithms, Biostatistics & Probability Theory, Genomics & Proteomics, Languages, Algorithms & Tools, Data Mining in Biological Systems, Molecular Structure Prediction & Validation, Database Management Systems, Machine Learning for Biological Systems, Systems Biology, Biomedical Instrumentation, Probability & Stochastic Process, Computer Aided Drug Design, Molecular Medicine.
REFERENCES	<p>B. S. Sanjeev, Ph.D Assistant Professor Department of Applied Sciences IIIT, Allahabad ☎: +91-532-2922-2238 ✉: sanjeev@iiita.ac.in</p> <p>Krishna Misra, Ph.D Professor Department of Applied Sciences IIIT, Allahabad ☎: +91-532-2922-2203 ✉: kmisra@iiita.ac.in</p>