

Sutanu Bhattacharya

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Education

Ph.D. in Computer Science and Software Engineering Auburn University, USA Advisor: Dr. Debswapna Bhattacharya G.P.A: 3.8	Fall 2017 – Present
M.Tech in Distributed and Mobile Computing Jadavpur University, India Advisor: Dr. Pampa Sadhukhan C.G.P.A: 8.11	June 2014
B.Tech in Information Technology Bengal Institute of Technology, India C.G.P.A: 7.67	June 2011

Employment

Lecturer, Computer Science Department, Chaibasa Engineering College, India, July 2014 – Aug 2017

Technical Skills

Languages known- C (with Data Structures), Python, Java, C++, Perl
Operating System: Windows, Linux, Mac OS
Tools: Eclipse, NetBeans, PyMOL, Matplotlib, vim, jGRASP

Honors and Awards

Our work has been selected for **Highlight Talk** in the 10th ACM BCB conference, Niagara Falls, NY, Sept 7-10, 2019.

Paper got published as the **Front Cover Article** in the July 2019 issue of PROTEINS: Structure, Function, and Bioinformatics journal.

Awarded **Young Research Excellence Award** (2nd place) at 16th Annual MCBIOS Conference, Birmingham, USA, 2019.

Awarded Travel grant to attend 16th Annual MCBIOS Conference, Birmingham, USA, 2019.

A.I.C.T.E. **National Scholarship** for M.Tech at Jadavpur University, Kolkata, India [2012 – 2014].

Publication

S. Bhattacharya, D. Bhattacharya, “Does inclusion of residue-residue contact information boost protein threading?”, **Proteins: Structure, Function, and Bioinformatics**, 87(7): 596-606 (2019).

Posters

S. Bhattacharya, D. Bhattacharya, “How Effective is Contact-assisted Protein Threading?”, 10th ACM BCB Conference, Niagara Falls, NY, Sept 7-10, 2019.

S. Bhattacharya, D. Bhattacharya, “A new contact-assisted threading approach for predicting more accurate protein 3D structure”, 2018 Graduate Engineering Research Showcase, Auburn University, USA, October 28, 2018.

Oral Presentations

S. Bhattacharya, D. Bhattacharya, “Does inclusion of residue-residue contact information boost protein threading?”, 16th Annual MCBIOS Conference, Birmingham, USA, March 28-30, 2019. **(Won 2nd place in student oral presentation)**

S. Bhattacharya, D. Bhattacharya, “How Effective is Contact-assisted Protein Threading?”, 10th ACM BCB Conference, Niagara Falls, NY, Sept 7-10, 2019 **(Highlight Talk)**.

Teaching Experience

As a Lecturer (July, 2014 – August, 2017)

1. **Discrete Mathematics**: This course was designed for third semester C.S.E. students (U.G.) and it covers Logic, Set, Relation, Function, Induction and Recursion, Counting, Graphs, Trees.
2. **Operating System**: Fifth semester students of 2013-17 batch took this course in which they learnt Thread, Process Management, Memory Management, Disk Management etc.
3. **Digital logic**: This course covered Combinational Logic circuit as well as Sequential Logic Circuit with application and U.G. students of C.S.E. department of 2013-17 and 2014-18 batches took this course.
4. **Data Structure using C**: Fourth semester C.S.E. students of 2013-17 & 2014-18 batches (U.G.) took this course, where Array, linked List, Stack, Queue, Sorting and Searching, Tree, Graph are covered in C.
5. **Automata**: Fifth semester C.S.E. students of 2013-17 batch (U.G.) took this course where Finite automata, PDA, LBA, Turing Machine were covered.
6. **Programming in Python**: Almost 50 U.G. students took this course as their summer training and it covered Control flow, Function and Module, Files, Input/Output, List, Dictionary.
7. **Introduction to Computing**: This was an introductory course offered to freshman U.G. students.

As a Teaching Assistant at Auburn University (August, 2017 – Present)

1. **Fundamental of Computing I**: It introduces the fundamentals of computing as well as certain aspects of software engineering which will enable you to construct logical, readable, and correct programs.