Arghya Bhattacharya

24 University Dr, East Setauket, NY - 11733













Fourth-year doctoral candidate with experience in both academic research and industry, an analytical person with programming knowledge, and good communication skills, experienced working collaboratively in teams.

About Me

- Ph.D. Candidate, Dept. of Computer Science, Stony Brook University
- Member, Stony Brook University Consulting Club
- Mentor, HS-WISE (High School Women in Science and Engineering)
- JBNSTS Senior Scholar'12 (Jagadis Bose National Science Talent Search)
- Administrative Member, JB Scholars Professional Development Forum

Technical Skills

C++	Python
Shell	Latex
MySQL	Excel

Scores

GRE	322 (170(Q)
CAT'17	97.61%ile
TOEFL iBT	106

Work Experience

National University of Singapore

Research Engineer

Singapore
May 2018 - Aug 2018

May 2018 - Aug 2018

• Performance of multi-objective optimization algorithms using evolutionary computation based on decomposition techniques under Prof. Dipti Srinivasan.

Pricewaterhouse Coopers (PwC) India Pvt. Ltd.

Kolkata, India

Consultant

July 2016 - Sept 2017

- Payroll Automation using DotNet technologies using MVC architecture.
- Implementation of Microsoft Navision ERP 2016 for Finance Automation and Inventory Management.

Education

Stony Brook University

New York, USA

Ph.D. Candidate, Dept. of Computer Science

Fall 2018 - Present

- o Advisor: Prof. Michael A. Bender, Collaborator: Rezaul A. Chowdhury
- o Cumulative GPA 3.78 / 4.0

Jadavpur University

Kolkata, India

Jul. 2012 - May. 2016

B.E. in Electrical Engineering

o Cumulative GPA: 7.74/10 Total marks: 72.69/100 with First Class

o Qualified GATE 2016 in Electrical Engineering Score: 45.66 GATE Score: 584/1000 Rank: 3278

Selected Publications & Posters

- Bhattacharya, A., Das, R. "Machine Learning Advised Ski Rental Problem with a Discount," 16th International Conference and Workshops on Algorithms and Computation (WALCOM'22).
- Conway, A., Bakshi, A. Bhattacharya, A., Bennett, R., Jiao, Y., Knorr, E., Bender, M.A., Jannen, W., Johnson, R., Kuszmaul, B.C., Porter, D.E., Zhan, Y., and Farach-Colton, M. "File System Aging," submitted in *ACM Transactions on Computer Systems (TOCS)*.
- Bhattacharya, A. "Progress Imbalance in Multi-process Performance," Graduate Research Day (2021), Dept. of Computer Science, Stony Brook University.
- Bhattacharya, A., Choudhury, D., and Dey, D. "Edge-enhanced Bi-dimensional empirical mode decomposition based emotion recognition using fusion of feature set," Soft Comput (2018) 22: 889