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** — Singapore
  Research Engineer — *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*
  - **Advisor:** Prof. Michael A. Bender, **Collaborator:** Rezaul A. Chowdhury
  - Cumulative GPA 3.78 / 4.0
- **Jadavpur University** — Kolkata, India
  B.E. in Electrical Engineering — *Jul. 2012 – May. 2016*
  - Cumulative GPA: 7.74/10 Total marks: 72.69/100 with First Class
  - 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*