Atlanta Chakraborty

Institute of Operations Research and Analytics, NUS
3 Research Link, Innovation 4.0, #04-01, Singapore 117602
atlanta@u.nus.edu
www.linkedin.com/in/atlanta-chakraborty
Last Updated on 26th August 2019

Personal Information	*Date of Birth:*	14th October, 1996
	Citizen:	Indian

Interests Statistics, High dimensional likelihood-free inference, Optimization, Data Analysis (Healthcare), Computational Epidemiology.

Education

National University of Singapore, NUS
August 2018- Present
CGPA: 4.36 out of 5.0
PhD., Institute of Operations Research and Analytics

Indian Institute of Science, Bangalore (IISc)
August 2014- July 2018
Bachelor of Science (Research), Mathematics Major
GPA: 6.2 out of 8.0

Scientific Papers

- **Chakraborty, A.**, Chandru, V., Rao, M., *" A Linear Programming Primer: From Fourier to Karmarkar"*, Annals of Operations Research, March 2019, https://doi.org/10.1007/s10479-019-03186-2

- **A non-parametric model for prediction of dengue incidence**
  Presented at the "51st Annual Convention of ORSI and International Conference ", IIT Bombay, India, December 2018
  With Dr. Vijay Chandru, Professor, Robert Bosch Centre for Cyber Physical Systems, IISc

Undergraduate Courses Analysis, Linear Algebra, Number Theory, Complex Analysis, Combinatorics, Probability Theory, Probability Models and Statistics, Measure Theory, Ordinary Differential Equations, Scientific Computing, Linear and Non linear optimization, Multivariable Calculus, Topology, Game Theory, Cryptography, Digital Epidemiology

Graduate Courses Stochastic Process, Advanced Probability Theory, Linear Programming, Applied Econometrics, Concentration inequalities in high dimensions, Advanced Statistical Theory, Convex Optimization, Theory and Algorithms for Non-linear Programming, Topics in Applied Statistics.

Academic Achievements and Honours

- **Singapore-India Hackathon** Selected for the grand finale of Singapore-India Hackathon, IIT Madras, 2019.
- **NUS-NUHS-MIT Datathon** Winners of Singapore-Health Hackathon, 2019
- **NUS Research Scholarship**, August 2018- Present

- **Kishore Vaigyanik Protsahan Yojana** fellowship under the Department of Science and Technology, Government of India, August 2014- July 2018.

- **"Outstanding Achievement Certificate"** from the Ministry of Human Resource Development, India for being in the top 0.1% in CBSE exam.

- Selected as a summer intern for the **Indian Academy of Sciences** fellowship.

- Selected for the Theoretical Computer Science group at the **Institute of Mathematical Sciences, IMSc, Chennai**, May- July 2016

- Attended *Vijyoshi* the **National Science Camp,** DST, India, 2013

Technical Expertise

R, MATLAB, LATEX, C, JAVA, Python, MySQL