

Atlanta Chakraborty

Institute of Operations Research and Analytics, NUS
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Personal Information

Date of Birth: 14th October, 1996
Citizen: Indian

Interests

Optimisation, Stochastic Processes, Statistics, Modelling and Simulation, Data Analysis, Spatio-temporal modelling

Education

National University of Singapore, NUS
August 2018- Present
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

- **Annals of Operations Research**
“Linear Programming: From Fourier to Karmarkar”, 2017, Under Review
With Dr. Vijay Chandru, Professor, Robert Bosch Centre for Cyber Physical Systems, IISc and Dr. Rammohan Rao, Dean, Indian School of Business
- **A non-parametric model for prediction of dengue incidence**
Submitted to the “51st Annual Convention of ORSI and International Conference”, December 2016- May 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 optimisation, Multi-variable Calculus, Topology, Game Theory, Cryptography, Digital Epidemiology

Academic Achievements and Honours

- **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

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