

Saubhik Mukherjee
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phone: +81 070 1594 0101
date of birth: 15 June 1993

Experience

Engineer

Solutions, AlpacaJapan

*Jan '19 - present
Tokyo, Japan*

Software development of machine learning systems & production systems.

Data Scientist

Pricing, Anheuser-Busch InBev

*Jun '17 - Dec '18
Bangalore, India*

Responsibilities included automating modelling pipelines, building dashboards, Linux system administration.

- Designed optimization models to find optimal pricing strategy, using parallelized non-linear optimization techniques in Python and R
- Built a simulation tool in RShiny as a dashboard for pricing studies for different countries
- Used nested multinomial logit models and other Hierarchical Bayesian mixed models to model market demand for beer SKUs
- Built a recommendation system which combined the region-specific demand models into a country-wide demand model

Education

Post Graduate Program (Software Development)

International Institute of Information Technology

*Dec '17 - Dec '18
Bangalore, India*

Topics: algorithms, data structures, OOP in Java, software design, javascript, web development with ReactJS, SpringMVC, Hibernate, PostgreSQL.

Master of Science (Quantitative Economics)

Indian Statistical Institute

*Jul '15 - Jun '17
Calcutta, India*

Topics: micro-economics, game theory, computational bayesian statistics, optimization techniques, econometrics.

Bachelor of Science (Mathematics & Computer Science)

Chennai Mathematical Institute

*Aug '12 - Jul '15
Chennai, India*

Topics: linear algebra, calculus, discrete math, probability theory, algorithm design, theory of computation, programming language concepts, logic.

High School

Bharatiya Vidya Bhavan

*May '11
Calcutta, India*

- 94.17% in Senior School Certificate Examination (Central Board of Secondary Education), 2011 (12th standard), with 100% in mathematics.
- 93.5% in Secondary School Examination (Central Board of Secondary Education), 2009 (10th standard), with 100% in mathematics.

Massive Open Online Courses (MOOCs)

Deep Learning Specialization

deeplearning.ai

May '18 - Jul '18

Technologies

- **Interpreted languages:** Python, JavaScript, R
- **Compiled languages:** Java, C++
- **Environment:** Linux, macOS

Recent Achievements

- 2018** Top performance in **OpenHack Machine Learning** by Microsoft. Also, winner of several AB-InBev internal hackathons focussing on Machine Learning.
- 2017** Awarded **Innovation Impact Award** from AB-InBev for developing Game Theory & Optimization capabilities.
- 2016** Winner (second runner-up) of **Capital One Business Case Study Competition** in Analytics, among student teams of ISI.
- 2015** Selected for **ACM-ICPC** (Inter Collegiate Programming Contest) 2015 Asia Pacific Regionals.

Languages

English (TOEFL: 108/120)