NIKHIL AGARWAL

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EDUCATION

DUKE UNIVERSITY, **THE FUQUA SCHOOL OF BUSINESS**   Durham, NC
Master of Quantitative Management, Strategy Track   *May 2018*
STEM-Designated 10-month data analytics program with a specific focus on strategic applications

Completed Data Science Coursework: Applied Probability & Statistics, Data Infrastructure
Intended Data Science Coursework: Data Science for Business, Decision Analytics & Modeling, Data Visualization
Completed Domain Coursework: Empirical Economic Analysis, Operations Analytics, Strategic Management
Intended Domain Coursework: People Analytics, Digital Marketing, and Fraud Analytics

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR   Kharagpur, India
Bachelor of Technology (Honors) and Master of Technology (Dual Degree) in Chemical Engineering   *May 2017*
GPA: 8.95/10. 1% acceptance rate of 0.4M applicants. General Secretary of Chemical Engineering Association, Captain of Case Study Team, Manager at Entrepreneurship Cell and Global Kairos Fellow.

EXPERIENCE

DUKE HEALTHCARE   Durham, NC
Capstone Project Participant, *Department of Surgery*   *2018*

- In a team of 5 MQM students, tasked with enhancing operational efficiency within the surgical unit. Mapped and analyzed existing processes for patients, surgeons, and hospital resources.
- Utilized SQL to obtain operations data from 2 disparate OLTP databases and 1 OLAP database.
- Developed a predictive model based on a cox regression to identify the surgeon/surgery combinations capable of optimizing existing hospital scheduling constraints.
- Efforts predicted to result in 15% increase in overall space efficiency and 20% increase in standardized surgical procedures.

IIK CONSULTING GROUP, *Incubated at Science and Technology Entrepreneurs' Park, IIT*   Kharagpur, India
Co-founder and Principal   *2015-2017*

- Formed and led a team of 15 student consultants and advisors from academia and industry to advise government agencies, non-profit organizations and small to mid-sized private firms.
- Led research teams to analyze different institutions and industries and publish white papers.
- Identified growth opportunities to acquire 10+ projects, and worked in teams to find market analytics and technology solutions to problems facing government agencies and enterprises.

ENERGY BIOSCIENCES INSTITUTE, *University of California, Berkeley*
Summer Fellow   Berkeley, CA
                          2015 – 2016

- Worked in a BP funded lab to mathematically model and then design an efficient process to produce 2nd generation bio-fuels.
- Initiated collaboration on the research work between UC and IIT, pivoted the setup of PK Sinha (Co-founder, ZS Associates) funded Center of Bio-Energy at IIT and led first projects at the Center.

TECHNICAL CAPABILITIES

Trained: Bash, Ruby, STATA, HADOOP
Proficient: Tableau, Python, R, SAS, SQL, Visual Basic for Applications, MySQL
Expert: Excel, PowerPoint, HTML, Perl

ADDITIONAL INFORMATION

Organized hikes for Kharagpur Hikers' (500+) members. Love literary fiction and poetry as it enriches sensibilities and piques imagination. Ran the Kaveri Trail Marathon, occasionally stopping for water, oranges and high-fives.