

# ANKITA BHARDWAJ

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## EDUCATION

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**Columbia University**, New York, NY (08/18-02/20)

MS in Management Science and Engineering

Coursework: Data Analytics, Applied Machine Learning, Tools for Analytics, Business Analytics, Big Data Analytics, Operations Consulting, Optimization, Probability Statistics and Simulation, Stochastic Models.

**Nirma University (NU)**, Ahmedabad, IN (07/13-06/17)

BTech in Electronics and Communication Engineering

## RELEVANT WORK EXPERIENCE

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**Columbia Business School, Teaching Assistant**, NY (09/19- 12/19)

- Assisted in course design and helping 194 MBA and MS students in Service Operations, Queuing & Data Analysis.

**United States Tennis Association (USTA), Data Analytics Intern**, NY (06/19-08/19)

- Analyzed the requirements of the 2019 US Open's Umpire and Player Development Teams by meeting stakeholders.
- Built Python's ETL pipelines to organize, collect and standardize data and used Microsoft SQL for big data extraction.
- Conducted analysis such as effect of serve on rally length, effective umpire crew allocation & quality of data received.
- Created Tableau dashboards for the end-users which were also used in the US Open 2019.

**United Nations Development Programme (UNDP), Student Data Scientist**, NY (08/18- 05/19)

- Analyzed UNDP requirements and applied principles of agile methodologies to keep project on track.
- Developed supervised machine learning models for tweets and news text classification into UNDP specified buckets.
- Designed NLP classifier for sentiment analysis of the classified tweet in Python as a risk monitoring metric.
- Built Tableau dashboard for the clients to monitor risk worldwide and take early action when required.

**FreeWheel, Student Data Scientist**, NY (08/18- 05/19)

- Led a team of 7 for achieving advertisement optimization for FreeWheel marketing teams by analyzing customers.
- Conducted Exploratory Data Analysis and statistical tests to understand the customer data better.
- Cleaned, scaled and transformed customer data (14MM rows) in AWS using SQL and Spark.
- Developed unsupervised machine learning models for customer segmentation.

**Bill & Melinda Gates Foundation, Student Data Scientist**, NY (08/18- 05/19)

- Built a weather and climate database from scratch and developed models to predict weather at remote places.
- Built shapefiles as the end product using Python and Tableau to help farmers plan their crop calendars better.

## HACKATHONS

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**Capital One Hackathon (Winner)**, NY (09/19- 12/19)

- Developed metrics for Capital One to quantify gender equality at workplace and compare with other top companies.
- Web scraped employee reviews and conducted sentiment analysis to see if company policies are actually beneficial.
- Developed a recommender system to compare Capital One with its financially nearest company based on the metrics.
- Built a demo product using Tableau for Capital One and presented it to Capital One employees and leaders.

**NASDAQ Hackathon (Winner)**, NY (09/19- 09/19)

- Web scraped stock prices data and built Time Series models for future stock price prediction in Python.
- Web scraped news headlines for companies to conduct text analysis for stock trend prediction using Python.
- Built a Tableau dashboard for NASDAQ investors to help them make smart investment choices without any bias.

## SKILLS AND PROJECTS

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**Skills:** Python, SQL, Tensorflow, Statistics, Tableau, R, Spark, MS Office.

**Projects:** RNN for Music Generation, Yelp Reviews Big Data Analysis, Recommender system for eCommerce store.