

# TANMAY GUPTA

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## EDUCATION

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### New York University

New York, NY

• **Leonard N. Stern School of Business** - *Bachelor of Science* with Concentration in *Statistics*

May 2020

• **Courant Institute of Mathematical Sciences** - *Bachelor of Arts* in *Mathematics*

May 2020

**Math GPA:** 3.85/4.00 | **Cumulative GPA:** 3.71/4.00 | **Clubs:** Quantitative Finance Society, Business Analytics Club

**Honors:** Ahuja Family Research Scholar | Stern Scholar | Dean's Scholar | Follett Scholar | Dean's List

### The Doon School (*High School Diploma*)

Dehradun, India

**GPA:** 94.25% | **Honors:** School Colors for Excellency (Top 1% of 650 students), Student Government

Graduated May 2016

## PROFESSIONAL EXPERIENCE

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### International Business Machines, Inc. (IBM) - Chief Analytics Office

Armonk, NY

*Data Scientist – Client Health*

Aug 2020 – Present

- Developed, engineered, and deployed an automated monthly usage forecasting system that gives 300 Customer Success Managers insights into the future of their Cloud clients and integrated in their dashboard saving each CSM ~4 hours' analysis
- Coordinated a team of 6 and organized the recruiting efforts at NYU targeting 70 students for summer internship positions from initial outreach and info-sessions to coffee chats, evaluating resumes, interviews and corresponding with candidates
- Recognized as CAO Rockstar in Feb 2021 for exemplary work ethic and results
- Data Science Lead for winning team at CAO Hackathon 2020; Awarded: Best Model and Best Presentation

*Data Scientist – Enterprise Performance Management*

May 2019 – Aug 2019

- Lead data scientist of cognitive assistant to prioritize and deprioritize automation of sales reports using advanced text analytics
- Coordinate operations, research, and strategy between product teams in New York, Brazil, and India to develop product that allows executives to interact with company finance and sales databases by converting English questions to SQL queries

### Nurses Improving Care of Healthsystem Elders (NICHE Program)

New York, NY

*Data Scientist*

Sept 2018 – May 2020

- Oversee and execute report generation and detailed analysis of survey data to identify those areas which need improvement for our institutional clients while using statistical techniques to correct for non-response bias and internal survey consistency
- Conduct and develop clustering analysis to segment customer base by size, frequency of operation, and level of involvement to develop a representative sample for the purpose of feedback collection and analysis

### Stern Program for Undergraduate Research

New York, NY

*Research Assistant – Machine Learning and Data Visualization*

Sept 2017 – May 2019

- Assist Dean Rohit Deo in his research on comparing binary classification model evaluation by analyzing the performance of AUC and sAUC methods as per their robustness and bias given a different set of data
- Assist Dean Rohit Deo in "Investigating model selection methods in Machine Learning techniques" by comparing Ridge, Lasso, and ElasticNet regression models using R packages

## LEADERSHIP ACTIVITIES

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### Stern Business Analytics Club

New York, NY

*Project Manager – Insights Team*

Sept 2017 – May 2020

- Lead and coordinate a team of 4 undergraduate students to conduct exploratory analysis, detailed descriptive statistics, and model creation and selection of credit card fraud data to predict the legitimacy of the transaction
- Oversaw and assisted in the periodic mining of crypto-currency data and Twitter feed relating to crypto-currency for a financial and statistical analysis of the crypto-currency markets

### New York University Entrepreneurs Festival

New York, NY

*Director – Roundtables*

Oct 2017 – Apr 2018

- Oversaw and assisted in the organization of one of the largest student-run entrepreneurial festivals in the country, while coordinating the setup of the entire Roundtable event held on both days of the festival
- Designed the roundtable program, communicated, and allocated time to over 16 event sponsors and ensured the smooth progress of the entire event attended by over 1000 students and visitors

## SKILLS & INTERESTS

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**Languages:** Python (*Advanced*), R (*Advanced*), English (*Proficient*), Hindi (*Native*)

**Skills:** Pandas, Numpy, Sklearn, XGBoost, PyTorch, Git, Docker, Productionization of Models, Presentation to Executives

**Interests:** Competitive swimming, Leisure squash, Competitive boxing, Sailing, Sudoku, *Westworld*