

Tanmay Bansal

Data Scientist

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New York, NY

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EDUCATION

Cornell University Ithaca, NY

Bachelor of Science (BS), Information Science
Concentrations: Data Science, Behavioral Science
GPA: 3.90/4.00 (Magna Cum Laude)

LEADERSHIP

President, Cornell Data Science 2021

Spearheaded a 75+ member student organization through multiple initiatives - technical projects, new member onboarding, fundraising, etc.

Lecturer, Introduction to ML 2019 - 20

Designed and lectured an accredited machine learning course (INFO 1998) to 150+ students, with a teaching effectiveness rating of 4/5 or higher from 95% of the class

Teaching Assistant 2018 - 21

Data Analytics for Info Science (Spring '21)
Text Mining for History and Literature (Fall '19)
Introduction to CS - Python (Fall '18, Spring '19)

SKILLS

Languages

Python
SQL
HTML/CSS
Java

Software and Tools

Tableau
Dataiku DSS
AWS Sagemaker
GCP BigQuery
Spark

Interests

Beatboxing
Design

EXPERIENCE

Morgan Stanley New York, NY

Data Scientist (Associate) Aug 2021 - Present
Advanced Analytics and Machine Learning Group

- Formulating and developing a first-party fraud model for E*Trade to protect its exposure of \$3.1 million
- Developed a text-based risk signal to flag potential internal fraud in transactions to or from \$4.2 trillion AUM
- Led 3 analysts and established 5 data pipeline monitoring metrics to alert possible data flow lags and prevent regulatory penalties

Technology Summer Analyst Jun 2020 - Aug 2020

Advanced Analytics and Machine Learning Group

- Predicted hourly contact center call volumes with 88% accuracy to reduce call wait times and increase client satisfaction

Tesla Palo Alto, CA

Data Science Intern Aug 2020 - Jan 2021
Growth Team, Residential Energy Products

- Devised a CNN-based model to identify issues in 200,000+ energy products through time-series telemetry data
- Conducted geospatial analysis on vehicle ownership data to define an optimal launch strategy for an upcoming service

News Corp New York, NY

Data Product Analyst Intern Jun 2019 - Aug 2019
NewsIQ (Advertising Technology Team)

- Established 14+ new audience segments through analysis of clickstream data for targeted advertising across News Corp assets (WSJ, NY Post, HarperCollins, Realtor.com, etc.)

PROJECTS

Ride-hailing Emissions Modeling and Reduction through Ride Demand Prediction 2020 - 21

Proceedings of the 7th Intl. Conference on Vehicle Technology and Intelligent Transport Systems

- Led 4 members to build an LSTM-based ride demand forecasting model that outperformed the next best model by 15.3% and optimized for minimal vehicular emissions
- Winner, ProjectX ML Research Competition by UToronto

CUSmile: Uplifting News by Topic 2020

cusmile.herokuapp.com

- Engineered an information retrieval based web app that presents uplifting news articles based on selected topics