

# SAGAR TANNA

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## EDUCATION

**Stevens Institute of Technology, Hoboken, NJ** **May 2021**

Master of Science in Information Systems (**GPA: 3.83/4.00**)

(Coursework: Big Data Technologies, Project Management Fundamentals, Web Mining, Applied Analytics, IT Strategy)

**University of Mumbai, Mumbai, India** **May 2019**

Bachelor of Engineering in Computer Engineering

## SKILLS

**Languages:** SQL, Python, Familiar with PySpark

**Productivity Tools:** Excel (VLOOKUP, Pivot Tables, SOLVER), Tableau, PowerPoint, Docker, Jira, AWS (EC2, EMR, S3, VPC)

**Certifications:** Microsoft Security Fundamentals, Tableau Desktop Specialist

## EXPERIENCE

**NextSTOP Consulting, Garden City, NY**

**Business Strategy Intern**

**Oct 2020 – Dec 2020**

- Identified opportunities to implement new analytical frameworks comprising of strategy development initiatives across all elements of NextSTOP's business areas for effective client engagement
- Performed A/B testing to understand client expectations to optimize partners onboarding and segmentation resulting in 15% increase in NextSTOP's global partners' network
- Created interactive dashboards using Tableau to highlight the effectiveness of business processes, key company KPIs, and overall company performance to stakeholders influencing their decisions in prioritizing roadmap

**OpenMyNetwork, New York, NY**

**Business Technology Analyst Intern**

**Sep 2020 – Dec 2020**

- Partnered with the development team to define data mapping and business reports to track key product metrics
- Participated in Requirement gathering, Data Analysis and Data Quality Testing as different segments of SDLC to identify product opportunities
- Reduced the deliverables turnaround time through automation using Selenium and BeautifulSoup in Python resulting in an estimated 20% reduction in budget and human resources
- Documented and tracked teams' progress using Jira and communicated weekly high-level reports to the leads

## ACADEMIC PROJECTS

**Stevens Institute of Technology, Hoboken, NJ**

**Breast Cancer Sentiment Analysis using Twitter**

**Oct 2020 – Dec 2020**

- Identified and collected over 17K tweets based on breast cancer using Tweepy using related hashtags
- Successfully cleaned and processed data using REGEX and TF-IDF vectors to present an analysis of the tweets using PySpark on an AWS EMR cluster
- Built a sentiment prediction model using algorithms such as Random Forest, Decision Tree and Logistic Regression

**Enhancing the DARPA SCORE claims dataset**

**Mar 2020 – May 2020**

- Employed Web Mining techniques to enhance DARPA's SCORE dataset, used to assign confidence scores to research results and claims of Social and Behavioral Science (SBS) papers
- Scraped ranking & H-index of journals of 2500 SBS published papers from SCImago Journal Site using Pandas and BeautifulSoup for performing web analytics
- Augmented quality of claim credibility by adding 2 new parameters; rank and H-index attributes to the dataset

**Loan Approval Prediction using Python**

**Oct 2019 - Dec 2019**

- Developed a solution to a classification problem by automating the loan approval decision making of a loan approval process by identifying dependent customer attributes
- Performed multivariate analysis of the dataset, achieving 85% accuracy and 92% precision scores using Logistic Regression for computation
- Generated correlations for various customer attributes affecting the decision making process for better data visualization and data reporting

## EXTRACURRICULARS

**Graduate Student Tutor**, School of Business at Stevens Institute of Technology

**Mar 2021 – Present**

**Summer Research Fellow**, School of Business at Stevens Institute of Technology

**May 2020 – Jul 2020**

**Peer Mentor**, Stevens Institute of Technology

**Jan 2020 – Present**

**Available May 2021**