HURSH DESAI

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EDUCATION

New York University, Leonard N. Stern School of Business **New York, NY**
Bachelor of Science in Business and Political Economy, Bachelor of Science in Computer Science *Expected May 2021*

- **Overall GPA**: 3.3/4.0|**Last Semester GPA**: 3.7/4.0
- **Study Abroad:** London, UK (Fall 2018) and Shanghai, CN (Spring 2019)
- **Relevant Coursework:** Machine Learning, Data Structures, Decision Models & Analytics, Linear Algebra
- **Projects:** ASL Letter Translator (Convolution Neural Net), CAPM Derivation, PEEA Report (Panel Regression)

Milpitas High School **Milpitas, CA**

- **GPA:** 4.1 (top 2%) | **SAT**: 1490/1600 | **Activities:** Baseball Team Captain, 180+ Volunteer Hours *May 2017*

PROFESSIONAL EXPERIENCE

Campaign Financing Analysis **New York, NY**
Research Assistant *September 2019 – Present*

- Creating data pipelines using SQL to analyze 16.4 million rows of political contribution data from the DIME database
- Using Tableau to visualize relationships between contributor demographics and political contributions over 1979-2014

Botfactory **New York, NY**
Data Engineering/Visualization Intern *June 2019 – August 2019*

- Utilized Odoo's ORM API to automate SQL queries to pull, store, and manipulate inventory/manufacturing data
- Built a dynamic 'just-in-time' manufacturing scheduler GUI in XML to visualize this data and streamline company's manufacturing process, which resulted in a 3x increase in procedural efficiency

Peblio **New York, NY**
Data Analyst Intern *June 2019 – August 2019*

- Created data collection and analysis tools to track click-level data for teacher and student behavior on product website; analyzed data and recommend concrete changes that resulted in 20% increased use of unpopular features
- Built long term customer acquisition and retention data analytic tools in Google Analytics for marketing purposes

EXTRACURRICULAR ACTIVITIES

Effects of Immigration and Inequality on Science **New York, NY**
Machine Learning - Stern Undergraduate Research Project *September 2019 – Present*

- Leveraging machine learning tools to match biographical data for more than 90,000 US scientists and their parents with census records to analyze the influence of immigration on career outcomes and invention

Predictive Customer Behavior Modeling **Shanghai, CN**
Predictive Modeling - Hackathon *April 2019*

- Used Pandas and NumPy to pre-process unstructured customer data (both categorical and numerical features) regarding personal transactions, and then Pytorch to predict the binary probability of a new customer buying an HSBC product

JustPick App **Milpitas, CA**
Mobile App - Personal Project *November 2018 – January 2019*

- Designed app in Flutter to graph public sentiment on important subjects over time, built out app's backend NoSQL database and self-taught graphic design and Google's Material Design in order to create an attractive UI/UX with Dart

Stock Market Analysis Visualization **Milpitas, CA**
Data Visualization - Personal Project *January 2018 – February 2018*

- Employed Pandas, Seaborn, and Matplotlib to graphically visualize stock ticker data analysis including prices, returns, risk and variability; Monte Carlo simulation, confidence intervals, and correlation charts were used to accomplish these tasks

Science Gurus **Fremont, CA**
Cell-Science - Research Intern *June 2016 – August 2016*

- Researched relationship between Bcr-Abl gene and colon cancer to present a comprehensive report to a panel of experts; used cutting edge biotechnology/bioinformatics tools to explore the industry process of drug design/discovery

SKILLS & INTERESTS

- **Skills**: Python (Data Analytic Tools) · SQL/NoSQL · Tableau · PyTorch (ML Modeling) · Flutter · Excel (Solver)
- **Foreign Languages**: Gujarati (Advanced) · Hindi (Elementary) · Spanish (Elementary) · Chinese (Conversational)
- **Interests**: Producing Music (Ableton) · Video Editing (Davinci) · Graphic Design (Photoshop) · Email Newsletters