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   *Expected Jan 2021*
- **GPA**: 3.4/4.0
- **Study Abroad:** London, UK (Fall 2018) and Shanghai, CN (Spring 2019)
- **Relevant Coursework:** Econometrics, Machine Learning, Regression & Multivariate Data Analysis

Milpitas High School   **Milpitas, CA**
- **GPA:** 4.1 | **SAT**: 1490/1600 | **Activities:** Baseball Team Captain, 180+ Volunteer Hours   *Class of 2017*

PROFESSIONAL EXPERIENCE

NYU Stern School of Business—*academic research project focused on political contributions*   **New York, NY**
Data Science Research Assistant | Money in Politics   *Sept 2019 – Feb 2020*
- Created data pipelines using SQL to analyze 16.4 million rows of political contribution data from the DIME database
- Visualized relationships in Tableau between contributor demographics and political contributions from 1979 to 2014

Botfactory—*manufacturer of 3D printers allowing companies to iteratively build electronic circuits*   **New York, NY**
Data Engineering & Visualization Intern   *June 2019 – Aug 2019*
- Utilized Odoo's ORM API to automate SQL queries to pull, store, and manipulate inventory & manufacturing data
- Garnered a 3x increase in manufacturing efficiency by visualizing data in an dynamic front end manufacturing scheduler

Peblio—*lesson sharing platform supplying schools with accessible coding curricula*   **New York, NY**
Data Analyst Intern   *June 2019 – Aug 2019*
- Communicated concrete recommendations that led to a 20% increased use of unpopular site features by creating click-level KPI trackers & dashboards on Google Analytics to monitor student and teacher preferences
- Developed long term customer acquisition and retention strategies by analyzing daily customer conversion and spend trends in Google Analytics to identify potential untapped customer targets and acquisition channels

PROJECTS

RoboSimP   **New York, NY**
Web App   *May 2020 – Aug 2020*
- Developed an interactive tool to visualize how a robo-trading algorithms can inform long and short stock positions

Doxa   **Milpitas, CA**
Mobile App   *Nov 2018 – Jan 2019*
- Created a public sentiment app in Flutter graphing popular opinion on topical matters aimed at mitigating information asymmetry; built a backend NoSQL database and customized a user-friendly UI/UX using Google Material Design

Stock Market Data Visualization   **Milpitas, CA**
Data Analysis   *Jan 2018 – Feb 2018*
- Used Pandas, Seaborn, & Matplotlib to analyze stock ticker data (prices, returns, risk and variability) and further understand the value of Monte Carlo simulation, confidence intervals, heat maps, and correlation charts

EXTRACURRICULAR ACTIVITIES

Stern Program for Undergraduate Research   **New York, NY**
Machine Learning Researcher | Effects of Immigration and Inequality on Science   *Sept 2019 – Feb 2020*
- Leveraged machine learning tools to match web-scraped 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

HSBC Hackathon   **Shanghai, CN**
Most Efficient Code Award | Predictive Customer Behavior Modeling   *Apr 2019 – May 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

SKILLS & INTERESTS

- **Skills**: Python · Excel · R · SQL · Tableau · PyTorch · HTML/CSS · Javascript · Django · PostgreSQL · Flutter
- **Foreign Languages**: Gujarati (Advanced) · Hindi (Elementary) · Spanish (Elementary)
- **Interests**: Music Production (Ableton) · Video Editing (Davinci) · Graphic Design (Photoshop) · E-Newsletters