

PARV JOSHI

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EDUCATION

Columbia University, NY

Master of Science in Data Science

Expected: **December 2022**

SUNY Stony Brook University, NY

Bachelor of Science in Applied Mathematics and Statistics, Economics (2nd Major)

Conferred: **May 2021**

Cumulative GPA: **3.97**

- **Honors:** University Scholars Program | Dean's List | Sigma Beta Honor Society
- **Relevant Courses:** Data Analysis | Data Mining | Econometrics | Operations Research I & II | Statistical Laboratory | Independent Research in Economics | Computer Science Principles | Mathematical Statistics | Probability Theory | Game Theory | Economic Development | Fundamentals of Industrial Engineering
- **Nominations:** Best Researched Argument paper and the best e-portfolio by the SBU Writing Program

SKILLS

Technical: Windows/Mac | Microsoft Office (Excel, Word, PowerPoint, Teams) | Zoom

Programming: Python | R | SAS | SQL | Tableau | Lindo | Lingo

Graphic & 3D Design: Illustrator | Photoshop | InDesign | Premier Pro | Autodesk Fusion | KeyShot

Others: Writing | Public Speaking | Communication | Entrepreneurship | Website Design | Film Composition

ONLINE COURSES AND CERTIFICATIONS

Massive Open Online Courses (MOOCs):

- The Data Science Course (Udemy) Dec 2020
- Excel VBA Programming - The Complete Guide (Udemy) Aug 2020

Certifications:

- Scraping Data using Hadley Wickam's Rvest package in R (Coursera Project Network) Dec 2020
- Business Operations Support in Google Sheets (Coursera Project Network) Dec 2020
- Game Theory (Coursera – Stanford University) Jun 2018

RESEARCH / PROJECTS

Independent Research in Economics (Undergraduate Thesis)

Jan 2021 – May 2021

- Conducted independent research in Econometrics by examining the impact of the hygiene service industry on economic development and the spread of Covid-19
- Performed data collection, cleaning, compiling, visualization, multivariable regression analysis, and mining (with stepwise regression, instrumental variable regression, transformations, and interaction terms) using R

Recurrent Neural Networks (RNN) Stock Price Project

Jan 2021 – May 2021

- Created a basic RNN project that predicts stock prices of companies using the stock price of previous ten days.
- Used applied machine learning in Python 3

Recurrent Neural Networks (RNN) Text Prediction Project

Jan 2021 – May 2021

- Created a basic RNN project in a Natural Language Processing (NLP) algorithm that predicts the next word a user is going to type given the previously typed words
- Used applied machine learning in R

Econometrics Project

Aug 2020 – Dec 2020

- Devised a multiple regression model to find the factors that affect Government Healthcare Spending
- Performed data collection, cleaning, compiling, visualization, multivariable regression analysis, and mining (with instrumental variable regression, transformations, and interaction terms) using R

Human Behavior Data Analysis Project

Jan 2020 – May 2020

- Used multiple regression to find the dependence of depression on gene-environment variables.
- Performed multivariable regression analysis and mining (with stepwise regression, transformations, and interaction terms) using R

Economic Development Comparison Project

Jan 2020 – May 2020

- Performed an economic development comparison between the United States and India by carefully estimating and analyzing their steady-state level of living standards.
- Used savings, population growth, depreciation & technological growth rates, real GDP per capita, labor productivity growth rates, and TFP growth rates

Online Banking Portal Simulation Project – OOHS Bank

Jan 2018 – May 2018

- Developed a basic online banking portal simulation called OOHS Bank for administrators and customers that carry out basic transactions
- Successfully performed Object Oriented Programming (OOP) and Socket Programming (SP) in Python 2.7

Online Shopping Portal Project – OOHS Bay

Jan 2017 – May 2017

- Developed a basic online shopping portal called OOHS Bay
- Successfully performed basic programming in Python 2.7 for a real-world project

WORK EXPERIENCE

Teaching Assistant for the Applied Mathematics and Statistics Department

Stony Brook, NY

For AMS 261: Applied Calculus III: Multivariable Calculus

Jan 2021 – May 2021

- Mentored students understand the foundations of multidimensional geometry and multivariable calculus
- Supported in efficient learning, easy flow of knowledge, and maintaining academic integrity

Teaching Assistant for Economics Department

Stony Brook, NY

For ECO 303: Intermediate Microeconomics

Aug 2020 – Dec 2020

- Mentored students understand the foundations of microeconomic theory
- Supported in efficient learning, easy flow of knowledge, and maintaining academic integrity

Intern at Pannell Kerr Forster (PKF)

Dubai, UAE

Financial Due Diligence and Business/Data Analytics

Jun 2020 – Aug 2020

- Helped in auditing risk, uncovering trends, gathering audit evidence, and identifying cost-saving opportunities for clients

Intern at National Assurance and Advisory Services FZ LLC

Dubai, UAE

Fundraising and M&A services

Jun 2019 – Aug 2019

- Helped a senior manager in gathering and analyzing data in business valuation. Helped in the preparation of term sheets and financial due diligence

LEADERSHIP AND EXTRACURRICULARS

Sigma Beta Honor Society

Stony Brook, NY

Public Relations Officer

Aug 2019 – May 2021

- Professional Communication with operations and talent management. Interaction and collaboration with non-profit community service organizations

Undergraduate College Fellow

Stony Brook, NY

Teaching Assistant for the Undergraduate College of Information and Technology Studies

Jan 2019 – Dec 2019

- Mentored and tutored incoming freshmen as registration and teaching assistant at Stony Brook University as part of an introductory seminar class

English Pal

Stony Brook, NY

Pal and Graphic Designer

Jan 2019 – May 2019

- Trained incoming freshman students to improve spoken English while helping out with club branding as graphic designer

The Statesman

Stony Brook, NY

Graphics / Photography Volunteer

Jan 2019 – May 2019

- Aided Stony Brook University's official newspaper *The Statesman* in photography and graphic design.

Formula One in Schools STEM Competition

International

Graphic Designer – Team 21m/s, Spartan Racing

Sep 2015 – Sep 2017

- Represented country at F1 in Schools World Finals 2017 in Malaysia. Judged 2017 National Finals for F1 in Schools and Formula Ethara
- Designed professional documents, managing social/professional media, marketing, sponsorship, and team branding using Adobe Illustrator, Photoshop, InDesign and Premier Pro
- Successfully gained sponsorship funds from multinational companies and held press conferences and radio interviews
- Won awards for Best Pit Display, Verbal Presentation, Design Portfolio, Team Identity, Fastest Car, and National Champion awards at 2016 National Finals (Team 21m/s). Best Team Identity at 2015 National Finals (Spartan Racing)

COMMUNITY SERVICE

Duke of Edinburgh's (DofE) Award

Jan 2016 – May 2018

- Received the bronze DofE award for community service volunteering, teaching a physical and professional skill, and facilitating a service expedition
- Contributed to the Nepal Earthquake Relief Fund in 2016

Ekal Vidyalaya

Jan 2015 – Jan 2015

- Contributed towards the education of poor in India

TRAININGS

QPR Bystander Intervention

May 2019

- Trained for bystander intervention in suicidal behavior by Stony Brook University's Center for Prevention and Outreach (CPO)

Green Dot Bystander Intervention

Dec 2018

- Trained for bystander intervention in dating violence, sexual violence and stalking by Stony Brook University's Center for Prevention and Outreach (CPO)

Red Watch Band Bystander Intervention

May 2018

- Trained for bystander intervention by in alcohol poisoning/alcohol overdose by Stony Brook University's Center for Prevention and Outreach (CPO)