# Vikram Salwan

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## EDUCATION

**Columbia University in the City of New York – Graduate School of Arts and Sciences**          **New York, New York**
*Master of Arts in Economics*                                                                *August 2018 – December 2019*

**Pitzer College – The Claremont Colleges**                                          **Claremont, California**
*Bachelor of Arts in Economics and Mathematics (Honors in Economics and Mathematics)*      *August 2014 – May 2018*
*Cumulative GPA:* 3.567/4, *Economics GPA:* 3.69/4, *Mathematics GPA:* 3.5/4.
*Member, Omricon Delta Epsilon* (International Economics Honor Society).
*Relevant Coursework:* Macroeconomic Theory, Game Theory, Applied Econometrics, Mathematical Modeling, Differential Equations, Statistical Methods for Clinical Trials, Computational Statistics, Statistical Linear Models, Mathematical Finance.
*Experiences:* Mathematics Teaching Assistant, Resident Assistant, Model UN, Orientation Leader, and Student Senate.

## WORK AND RESEARCH EXPERIENCE

**Federal Competitiveness and Statistics Authority (FCSA), UAE**                          **Dubai, UAE**
*Trainee, Future of Data Department*                                                    *July 2018 – August 2018*
*FCSA is the official source and monitoring agency for competitiveness and statistics in the UAE.*
- Prepared the data by employing data cleaning techniques on unwieldy sets and presented insights in an accessible manner.
- Developed and presented machine learning algorithms for accurately predicting real estate prices to the Director General.
- Presented the applications of AI and ML in a range of sectors for which FCSA can collaborate with other federal agencies.

**Microsoft Accelerator, Microsoft India**                                              **Bangalore, India**
*Summer Business Analyst*                                                              *July 2017 – August 2017*
*Microsoft mentors and provides the technology platform, networking support, and Azure credits to 30 later stage startups.*
- Evaluated startups for the Microsoft mentorship program based on multiple metrics and analyzed other metrics.
- Developed a report for the Microsoft knowledge platform to evaluate the impact of startups in the ecosystem.
- Analyzed the performance of the graduated startups from the accelerator and developed a future roadmap.

**Caliber Home Loans, Inc.**                                                          **Greater Dallas Area, Texas**
*Capital Markets Intern*                                                              *May 2017 – July 2017*
*Caliber Home Loans is one of the ten largest mortgage originators, lenders, and MBS traders in the United States.*
- Performed statistical analysis on securities data and summarized a pricing and hedging strategy for the trade desk.
- Analyzed Freddie Mac and Fannie Mae regulations for securitizing and pooling mortgages.
- Interpreted the QRM (securities data analyzing trade software) cycle results for presentation to the managing directors.

**National Institute for Transforming India (NITI), formerly Planning Commission of India**          **New Delhi, India**
*Research Intern*                                                                    *July 2016 – August 2016*
*Niti Aayog is the premier policy think tank of the Government of India that designs strategic and long-term policies.*
- Contributed to and developed mathematical models for working papers presented to the Union Cabinet for deliberation.
- Ran regressions on sectoral data to find the effect of agriculture on the industrial sector.
- Reviewed literature from the government database to present a historical background to the working papers.

**Grant Thornton India LLP.**                                                        **National Capital Region, India**
*Summer Analyst, Government and Infrastructure Advisory*                              *June 2015 - August 2015*
*Grant Thornton was the consultant for 4 mega food parks, sanctioned and subsidized by the Government of India.*
- Worked on the development of financial models and detailed reports of two projects, each valued at over $20 million.
- Developed state profiles after analyzing the production potential, infrastructural soundness, and policy incentives.
- Compiled and analyzed agricultural data for a detailed cluster analysis and made production forecasts.

## SKILLS, INTERESTS AND OTHERS

**Programming**: R (Proficient), LaTeX (Proficient), STATA (Intermediate), Python (Basic), Matlab (Basic), and SQL (Basic).
**Language Skills**: Hindi (Native) and French (Intermediate).
**Interests:** Distance Running (Ran the 2017 and 2018 LA Marathon), Equestrian, Debating, and Reading.