

PRERNA

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EDUCATION

University of Michigan – Ann Arbor

Ann Arbor, Michigan

Master of Science in Quantitative Finance and Risk Management

December 2017

- **Courses:** Financial Mathematics, Applied Statistics, Numerical Methods with Financial Applications, Discrete State Stochastic Processes.

Georgia Institute of Technology (Georgia Tech)

Atlanta, Georgia

Bachelor of Science in Applied Mathematics (with Honors)

May 2015

Minor in Economics, Certificate in Finance

GPA: 3.31/4.00

- **Courses:** Industrial Organization, Game Theory Economics, Economic Forecasting, Fixed Income, Security Valuation, Derivative Securities, Corporate Restructuring, Mgt. of Financial Institutions.
- **Honors:** Dean's List: Fall 2011, Spring 2012, Spring 2013, Spring 2014, Fall 2014, Spring 2015; Faculty Honors: Fall 2012; Inducted into Omnicron Delta Epsilon – International Economics Honor Society for scholastic achievement in Economics.

EXPERIENCE

Tata Asset Management Ltd.

Mumbai, India

Internship Trainee, Product Development Department

September 2015 – March 2016

- Created a database of relevant market indices using Bloomberg data in MS Excel which was used for creating internal financial reports. This tool helped speed up the process of creating financial reports by 10 times.
- Assisted the sales team with creating marketing strategies for the NFO by preparing reports about the various statistical measures like Sharpe ratio, Treynor ratio, market risks, etc.
- Completed Bloomberg training sessions held regularly to increase proficiency with Bloomberg.

Center for Academic Success, Georgia Tech

Atlanta, Georgia

Tutor and Peer Leader for Economics, Math, Computer and Physics Courses

August 2012 – May 2015

- Mentored and assisted the tutees in understanding instructional study strategies both individually and in groups and prepare supplemental materials.
- Interviewed prospective tutors and leaders for future semesters, assisted in administrative work.

School of Physics, Georgia Tech

Atlanta, Georgia

Undergraduate Teaching Assistant for MOOC sections and in person sections

January 2013 – December 2014

- Conducted lab sessions and graded lab quizzes for freshmen physics classes.
- Assisted students in understanding the course material in person and via email.

PROJECTS

Vertically Integrated Projects, Georgia Tech

Atlanta, Georgia

Humor Genome Project, an ongoing research-based class

January 2015 – May 2015

- Led the categorization team for the project towards developing tools to collect data on humor.
- Responsible for communicating with instructors and other teams about the progress of the project.

LEADERSHIP

Residence Hall Association, Georgia Tech

Atlanta, Georgia

Finance Coordinator

August 2013 – May 2014

- Managed the financial accounts ensuring fiscal responsibility.
- Recruited future members and volunteered for events organized by the organization.

AWARDS & AFFILIATIONS

- Bloomberg Market Concepts: Certificate of Completion.
- Institute of Actuaries of India: Student Member.
- Member of GT Undergraduate Consulting Club and GT Student Foundation Investment Committee.
- Placed 2nd in Regional Mathematics Olympiad (2011), qualified for Indian National Mathematics Olympiad.
- Hold sixth year diploma in Indian Vocal Classical music and fifth year diploma in Fine Arts (Painting).

SKILLS

Languages: English, Hindi and German.

Programming: MS Office, MATLAB, R, STATA, Java, Python, VPython, MySQL, HTML, XML, CSS.