

# SHANTANU LAGHATE

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## EDUCATION

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**Rutgers University - New Brunswick** September 2016 - Present  
Engineering Honors Academy, Dean's List Fall 2016, Spring 2017 Cumulative GPA: 4.000/4  
Electrical and Computer Engineering & Computer Science double major, Mathematics minor

## SKILLS

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<b>Computer Languages</b>	Java, Python (NumPy, Pandas, Matplotlib, Scikit-learn), Git
<b>Leadership</b>	Critical Thinking, Time Management, Collaboration, Team Building

## EXPERIENCE

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**NJ Governor's School of Engineering and Technology (GSET)** June 2017 - July 2017  
*Residential Teaching Assistant/Counselor*

*GSET is a prestigious summer program at Rutgers for top NJ high school scholars.*

- Gained leadership, time management, communication, and mentorship skills by working with 10 counselors and 72 students daily for 4 weeks. Developed technical skills in Data Science, Machine Learning (regression and classification algorithms), and Mathematics through leadership of student research projects.
- Mentored 2 groups to produce a formal project paper and final presentation.
  1. Predicting Volatility in the S&P 500 through Regression of Economic Indicators
  2. An Ensemble-Based Approach for Classification of High Resolution Satellite Imagery of the Amazon Basin
- Teaching Assistant for 2 classes: Introduction to Electronics for Robotics, Game Design
- Residential Assistant: Supervised students, organized weekly events and daily meals

## ORGANIZATIONS

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**Rutgers Competitive Programming (RUCP)** December 2016 - Present  
*Founder and President*

*RUCP organizes and trains team to compete in international programming contests. Officially recognized student organization.*

- Took initiative to organize weekly meetings, recruit members (10+ active), advertise through social media.
- Developed problem solving skills through weekly problem sets and local contests in topics including Discrete Mathematics, Dynamic Programming, Graph Theory, and String Processing.

**Rutgers Engineering Honors Council (REHC)** January 2017 - Present  
*First-Year Mentorship Program Chair*

*REHC hosts community service events aimed at improving the Engineering Honors Community at Rutgers.*

- Hosted Engineering Challenge Spring 2017, 30+ participants. Developed logistical planning experience.
- Planned 6 events for 2017-18 year. Aimed to pair first-year engineers with upperclassmen mentors, aid with networking, and obtain research and internship opportunities.

## RELEVANT COURSES

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Current (Fall 2017)	Completed	
Digital Logic Design (with lab)	Data Structures	Multivariable Calculus
Principles of E.E. I (with lab)	Probability	Discrete Math (with proofs)
Statistics	Intro to Linear Algebra	Engineering Mechanics: Statics
Software Methodology	Differential Equations	Intro to MATLAB