

# Aditya Shastri

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## EXPERIENCE

### Software Engineering Intern

Viacom

Summer 2017

- Improved research capabilities for content production and scheduling by merging several graph databases into one repository
- Technologies: Node.js, Python, Stardog database, SPARQL

### Freelance Developer

KPSNA - Indian Community Cultural Organization

Summer 2017

- Designed RESTful services for a social media mobile application
- Implemented services like authentication, groups, posts, messaging
- Improved quality with 120+ unit tests and significant code coverage
- Technologies: Express.js, MongoDB, AWS ELB, Passport with JWT

## EDUCATION

### Honors College, Rutgers University-New Brunswick

Computer Science and Mathematics

Class of 2020

- GPA: 4.0/4.0
- Courses: Data Structures, Computer Architecture
- Upcoming: Artificial Intelligence, Systems Programming

### Certificate in Machine Learning, Stanford

Coursera.org

Winter 2016 - Spring 2017

- Fundamentals of supervised and unsupervised learning
- Studied basic learning techniques including SVMs, collaborative filtering and anomaly detection
- Analyzed algorithms using learning curves and error analysis

### Program in Algorithmic and Combinatorial Thinking

See: <https://algorithmicthinking.org/>

Summer 2015 - Spring 2016

- Studied greedy algorithms, dynamic programming, NP-completeness, divide and conquer, network flows

## PROJECTS

### Waiter

Automated ordering for restaurant customers using Alexa Skill

- Designed reactive website for customers to view a live receipt
- Created RESTful service and database for handling static data
- Technologies: SparkJava, Angular, Nessie API, MongoDB

### Robota

Helping special ed. students convey their thoughts and emotions

[github.com/adshastri/robota](https://github.com/adshastri/robota)

TechCrunch Disrupt NYC 2017

- Captured student speech and transcribed to text
- Analyzed speech for sentiment and notified the teacher using SMS
- Technologies: IBM Watson, Pubnub Blocks, Python, Nexmo API

### Here to There

A web application to find the optimal Rutgers Bus

[github.com/adshastri/heretothere](https://github.com/adshastri/heretothere)

HackRU Fall 2016

- Found closest bus stop and bus code to move between two buildings
- Technologies: Google Maps, Rutgers Bus API, Servlet, Tomcat

## SKILLS

- Languages
  - Used professionally: Node.js, Python
  - Used personally: Java, Typescript, C
- Frameworks and Tools
  - Used professionally: Express.js, MongoDB, Git, AWS, Docker, RDF/SPARQL, Linux, Test Driven Development
  - Used personally: Django, Flask, React-Native, Angular 4

## AWARDS

- 3rd place in Google Community Challenge - case competition to address food insecurity
- Finalist and Best financial hack at HackPrinceton(for Waiter project)
- Henry Rutgers Award and Trustee Award
- National Merit Semifinalist and National Honor Society

## ACTIVITIES

- HackRU Organizer - Sponsorship
- Attended/organized several hackathons
- Organized events and programs for CS club, ex. Mentorship

## PROFILE



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