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

Research Assistant
Rutgers University   *Fall 2017*
- Studied properties and correctness of cryptographic algorithms

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*
- Studied unsupervised and supervised learning methods
- 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

Terra   *Created mesh networking protocol for IoT device communication*
github.com/adshastri/terra   *Penn Apps Fall 2017*
- Designed peer to peer communication between devices without WiFi/3G
- Implemented depth first traversal to reach all connected IoT devices
- Technologies: Java, Android Nearby, Django, SQL, Firebase

Waiter   *Automated ordering for restaurant customers using Alexa Skill*
github.com/adshastri/WaiterServer   *HackPrinceton Spring 2017*
- 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   *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

SKILLS

- **Languages**
  - Used professionaly: 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
- Top 30 at Penn Apps Fall 2017

ACTIVITIES

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

PROFILE

- linkedin.com/in/aditya-shastri
- github.com/adshastri
- devpost.com/adityashastri
- adityashastri.me