

Aditya Shastri

(609) 369-0255

ad.shastri1@gmail.com

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/hems03/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

- 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 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
- 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