

Aditya Shastri

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EXPERIENCE

Software Engineering Intern

MongoDB

Summer 2018

- Working on Cloud team
- Technologies: Java, MongoDB, Bash, Evergreen(CI Tool)

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, Artificial Intelligence, Systems Programming, Operating Systems, Algorithms

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

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

• Programming

Java, Node.js, Python, C, Typescript
Bash, HTML

• Web Development/Architecture

MEAN - MongoDB, Express, Angular
Other - Django/Flask, Java Backend,
SQL, Graph DBs (Stardog)

• Infrastructure and Tools

AWS EC2/ELB/IAM/S3, Docker,
RDF/SPARQL, Linux, Test Driven
Development, Git, Heroku, Firebase

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

- Mentor for backend development
- Attended/organized several hackathons
- Organized events and programs for CS club

PROFILE



linkedin.com/in/aditya-shastri



github.com/adshastri



devpost.com/adityashastri



adityashastri.me