

# Aditya Nalluri

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## Professional Experience:

### Full Stack Developer, Prisma P Lab, UF Health

Feb 2018 – Feb 2019

- Launched the real time surgery risk prediction platform with more than 20,000 patients and 300 surgeons
- Reduced the load time of existing web pages by 50% by implementing a client side caching architecture using Memcached
- Implemented secure user authentication for UF surgeons using shibboleth
- Technologies: Java, JAX-RS REST APIs, PHP, Cassandra, JavaScript (jQuery), Docker, HTML5, CSS, Tomcat and Curl

### Full Stack Developer, Trupik Inc

Aug 2016 - July 2017

- Built REST APIs with existing Redis caching technology for various brand catalogs, user body renders
- Integrated an in-app chat support with a third-party Android SDK which improved the sales by 30% due to reduced response time from the marketing team
- Developed partner websites to showcase the user garment renders
- Technologies: Python, Django, Android, Redis, REST, HTML5, Amazon AWS, CSS, Javascript and MySQL

### Software Developer, Barclays

July 2015 - Aug 2016

- Designed the CashBack and PayYourselfBack flows for Barclays credit card in order to support rewards platform migration which reduced the clicks to completion from 5 to 3
- Ensured code quality standards using clean code development and achieved more than 90% code coverage using Junit
- Experience working in a cross-functional Agile team; experience with test automation tools like selenium
- Worked with continuous integration, build and deployment technologies like GoCD and Jenkins
- Technologies: Spring MVC, Java EE, JSP, JavaScript, jQuery, Bootstrap, Sass, Grunt, HTML5, CSS, Junit

## Education:

### University of Florida, Gainesville

Masters, Computer Science

Aug 2017 – May 2019

GPA: 3.55

### Birla Institute of Technology and Science, India

Bachelors, Computer Science

Aug 2011 – Jun 2015

GPA: 3.4

## Academic Projects

### Kidney risk prediction in Python:

Aug 2018 – Dec 2018

- Worked with patient data to predict the kidney risk complications post-surgery using Pandas, Scikit-Learn and Keras

### P2P file sharing system in Java:

Oct 2018 - Nov 2018

- Implemented the choking-unchoking mechanism which is one of the most important features of Bit Torrent using socket programming and multithreading

### Compiler Design in Java:

Mar 2017 – June 2017

- Designed compiler for a custom LL-1 grammar and tested with 200+ Junit test cases

### Stock Market Analyzer in Java:

June 2018

- Developed RESTful APIs and web pages of a stock market analyzer in database design course

### Unsupervised Extreme Learning Machines:

Aug 2014 – Dec 2014

- Designed and developed a novice clustering algorithm unsupervised extreme learning Machine to improve clustering algorithms using MATLAB as a part of Undergraduate Thesis

## Hackathons:

### Barclaycard US, AI Chatbot

June 2016

- Developed an AI chatbot aimed at assisting in choosing a credit card and performing operations on the customer website

### Thoughtworks, IOT Hackathon

July 2016

- Designed solutions for transportation and smart parking using ant colony optimization in Pune, India using IOT

## Technical skills:

- *Programming and Scripting* - Java (Proficient), Python, JavaScript, PHP, C, C#, C++, Shell
- *Database Technologies* - MySQL, Oracle SQL, Cassandra
- *Relevant Coursework* - Data Structures, Database Management, Software Engineering, Object Oriented Programming
- *Frameworks* - Spring, Django, Android
- *Others* - Pandas, Agile, Linux, UNIX, Redis, AWS, Docker, Memcached, Jenkins, JSON, Tomcat, GIT, SVN