

## EDUCATION

<b>Stony Brook, NY</b>	<b>Stony Brook University</b>	<b>Aug 2017 – Dec 2018</b>
<ul style="list-style-type: none"><li>• Masters of Science in Computer Science.</li><li>• Coursework: Operating Systems, Big Data, Asynchronous Systems, Analysis of Algorithms, Computer Vision</li><li>• Working under Prof. Mike Ferdman in COMPAS Lab on Docker containers.</li></ul>		
<b>Hyderabad, India</b>	<b>Osmania University</b>	<b>Aug 2011 – May 2015</b>
<ul style="list-style-type: none"><li>• Bachelor of Engineering in Computer Science and Engineering</li></ul>		

## LANGUAGES AND TECHNOLOGIES

C++, Java, Python, C, JavaScript, NodeJS, MYSQL, PHP, JQuery, REST, Docker, LAMP, Linux, JavaScript MVC

## PROJECTS

- **CloudSuite** Developed container based applications for benchmarking the performance of Cloud Services in a private cloud. Built docker containers for client, server and dataset to benchmark media streaming and web serving applications. **Docker, Shell, Python, C++.**
- **Secure Garbage File System.** Implemented secure garbage functionality in Prof. Zadok's Stackable file System. Added file encryption support and implemented kernel threads for cleaning the trash files. **C, Linux**
- **Byzantine Chain Replication.** Developed a Distributed System with replica servers that can sustain 'T' Critical failures. Developed various Components of the System like Client, Server and Olympus processes which communicate asynchronously using message passing. **Python.**
- **Deduplication Syscall.** Developed a new system call to perform deduplication of files. It supports various options with different set of flag combinations. **C**
- **Shell** Developed a Linux based shell program which supports executing binaries interactively, running shell scripts and launching background processes. **C.**
- **C/C++ Evaluation Engine.** Developed a web application to automate the evaluation of C/C++ programs with pre-constructed test data. Requests are processed by a Demon running in the background. **Java, LAMP.**
- **Genome Similarity** Developed a model using MinHash and bloom filters to get an estimate of similarity between Genomic strings. Tested model with wide range of hash functions and achieved similarity measure of 95%. **C++.**

## EMPLOYMENT

<b>Oracle - Fusion Cloud</b>	<b>Application Developer 2</b>	<b>July 2016 – Aug 2017</b>
<ul style="list-style-type: none"><li>• Responsible for end to end application development including data model design, implementation of business logic and building reusable UI components using <b>Java, JSF, WebLogic.</b></li><li>• Worked on Database Layer of the application and brought down execution time of several crucial view Objects using Query Optimization. <b>SQL.</b></li><li>• Developed new features which allows users to connect to the application and edit critical business data. <b>Java.</b></li></ul>		
<b>Kony - Sync SDK</b>	<b>Software Development Engineer</b>	<b>June 2015 – July 2016</b>
<ul style="list-style-type: none"><li>• Developed Sync SDK MVC Framework to access underlying SQLite device database eliminating developer overhead of writing explicit queries to access the data.</li><li>• Built data adapters for Salesforce &amp; SAP by solving complex problems like converting flat data to Hierarchical Data.</li><li>• Design and developed offline data reconciliation feature which optimally calculates delta between the server and client's data in SQLite. Achieved 25% performance improvement compared to the traditional sync. <b>JavaScript.</b></li><li>• Developed scripts to auto generate client code, ORM APIs and DDL queries for sync objects. <b>Java, Apache Velocity.</b></li><li>• Developed a mock server to automate Android and IOS native SDK testing without relying on a back end server. Mock Server captures the HTTP requests sent by the client side APIs and sends responses. <b>NodeJS.</b></li></ul>		
<b>Kony - MBaaS Client SDK</b>	<b>Software Development Intern</b>	<b>Dec 2014 – June 2015</b>
<ul style="list-style-type: none"><li>• Developed an automation module for cross platform mobile application testing of Mobile Fabric Client SDK which reduced the dev testing time by 80%. <b>JavaScript, NodeJS.</b></li><li>• Developed features like Anonymous Login and Integration service APIs in the Client SDK. Implemented Telemetry APIs to capture the application events in the mobile application. <b>JavaScript, C++.</b></li></ul>		