

# Ashrith Sheshan

[ashrith.sheshan@gmail.com](mailto:ashrith.sheshan@gmail.com) | +1 (858)-260-8757

[in/ashriths](https://www.linkedin.com/in/ashriths) | [www.ashrith.in](http://www.ashrith.in) | [github/ashriths](https://github.com/ashriths)

## EDUCATION

### M.S. IN COMPUTER SCIENCE

#### UC SAN DIEGO

Sept 2017 - Dec 2018 (Expected)

Cum. GPA: 3.7 / 4.0

Courses – Distributed Systems, Machine Learning, Recommender Systems, Probabilistic Learning in AI, Web Mining, Computer Networks, Parallel Computing, Big Data Analytics using Apache Spark, Algorithm Design, Design at Large, Computer Security etc.

### B.E. IN COMPUTER SCIENCE

#### BMS COLLEGE OF ENGINEERING

Sept 2011 - May 2015

GPA: 9.3 / 10.0

Courses – Artificial Intelligence, Analysis and Design of Algorithms, Data Structures, Operating Systems, Computer Networks, Cryptography etc.

## SKILLS

### Programming:

Python • Golang • C++ • Java • C • C#

### Technologies:

Kubernetes • Docker • Virtualization  
Linux • Design Patterns • Spark • Hadoop  
Sklearn • Numpy • Nginx • Ansible

### Databases:

Zookeeper • MongoDB • PostgresMySQL

### Web:

Django • REST • ORM • D3  
HTML5 • JS • CSS • jQuery • EXTJS

## ACHIEVEMENTS

- 2017 - The first recipient of Nutanix Engineering SuperHero Award
- 2016 - Winner of the Most Innovative Project award at Nutanix Hackathon 3.0
- 2015 - Awarded Nutanix Tiger award for outstanding contributions as an Intern
- 2015 - One of best three undergrad projects in Computer Science at BMSCE
- 2014 - Winner at national JPMorgan Chase - Code for Good Hackathon
- 2013 - Won second best innovation award at ARM Tech Symposia, Bangalore
- 2013 - President of Protocol - The student body of the Dept. of Computer Science at BMSCE

## EXPERIENCE

### SALESFORCE

Graduate Software Engineering Intern | Jun 2018 - Present

- Designed and developed support for Jupyterhub on Flowsnake, an on-demand elastic Map-Reduce Spark cluster as a service on containerized microservices
- Owned the architecture design and implementation of LDAP authentication service and HDFS data-source plugin for flowsnake spark service and Nginx proxies
- Developed the Kubernetes and Docker abstractions for the services in Java8

### UC SAN DIEGO

Teaching Assistant | Jan 2018 - Present

Taught concepts of operating systems and virtualization as TA for CS120 and CS221.

### NUTANIX

Member of Technical Staff - 4 | Jul 2015 – Jul 2017

- Primary developer and architect of NuCloud - a cloud platform for deploying and orchestrating workloads on Docker container swarm running on AOS hypervisor
- Proposed and developed a prototype of the interactive network visualization part of Nutanix OS to control physical and virtual network elements in a datacenter.
- Designed and developed multiple data visualization UI components using D3.js

MTS Intern | Jan 2015 – Jun 2015

- Developed an enterprise grade resource management webservice with a minimal UI and a completely RESTful API contributing as a full stack developer
- Authored multiple plugins for collecting metrics from VMs, Hypervisors etc

### CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

Software Development Intern | Jun 2014 – Sept 2014

Authored a recommender engine based on Collaborative filtering for matching academicians with similar research and developed a symphony web application.

### SCHNEIDER ELECTRIC

Software Development Intern | Jun 2013 – Sept 2013

Developed a Visual Studio Extension for supporting custom IntelliSense feature on Human Machine Interface Engine using C# and .NET extensibility framework.

## KEY RESEARCH & PROJECTS

**GO-GRAPH - DISTRIBUTED GRAPH DATABASE IN GOLANG** | May 2018

Designed and developed a fault tolerant, scalable distributed graph database completely written in golang providing eventual consistency and data locality.

**STANFORD SCHOLAR** | Jun 2016 - Sept 2018

Developed research talks on seminal papers while being Super Directly Responsible Individual(DRI) in an effort to make research more accessible.

**WISDOM OF CROWDS** | July 2014- Sept 2015

Designed and developed an online game that systematically investigates wisdom of crowds effect as part of a research with Dr. Sharad Goel from Stanford University.

**SMART ENVIRONMENT MONITORING SYSTEM - IOT** | 2014 - 2015

Developed real-time IoT smart monitoring engine that got adopted by a startup accelerator. Presented the idea at the Finals of IET South Asia Regional conference.

**REAL-TIME OBJECT TRACKING** | 2014-2015

Research on leveraging distributed camera networks to track a subject. Developed a prototype simulating the research with Python and OpenCV.