

EDUCATION

Los Angeles, CA	University of Southern California	January 2018 – December 2019
<ul style="list-style-type: none">• Masters in Computer Science• Graduate Coursework: Analysis of Algorithms, Artificial Intelligence, Operating Systems, Machine Learning, Web Technologies.		
Bangalore, India	PES Institute of Technology	September 2012 – May 2016
<ul style="list-style-type: none">• Bachelor of Engineering in Computer Science• Relevant Coursework: Analysis of Algorithms, Web Technologies, Operating Systems, Computer Networks, Cloud Computing.		

WORK EXPERIENCE

Software Engineer Intern	Intel Corporation	May 2019 - Current
<ul style="list-style-type: none">• Built a Docker Containerized application to test the correctness of Booting, Video and audio playback on devices with different Kernel builds and integrated into the Jenkin Jobs.• Building a Devops framework from scratch to perform end to end tests for Kernel Builds.		
Software Engineer	Citrix Systems	July 2016 – December 2017
<ul style="list-style-type: none">• Implemented the Application License prediction feature for XenApp and XenDesktop Cloud offering leveraging the Boosted Decision Tree Algorithm provisioned by Microsoft Azure Machine Learning service and visualization of data using ReactJS and HighCharts.• Automated the deployment of Citrix Director Multi-tenant Service on Elastic BeanStalk service offered by AWS, using Windows PowerShell.• Redesigned the User Interface of XenApp Essential Director Service using Google Web Toolkit(Java).		
Software Engineer Intern	Flipkart	June 2014 – July 2014
<ul style="list-style-type: none">• Developed smartphone application prototypes for Seller Platform utilizing Ionic Framework(AngularJS), and jQuery Mobile library for another instance, to assess performance and the User Experience with application built using native frameworks, with a goal to unify the code base for mobile application across major platforms.		

PROJECTS

Weenix Kernel Implementation (Unix based, Single Threaded, Non Pre-emptive)

- Process and Thread lifecycle.
- Virtual File System to manage files and directories
- Virtual Memory which includes Memory Map to manage process virtual address space, page fault handler to fix the pages faults, Memory Management Unit for mapping virtual address to physical address

Machine Learning approach to Auto-Scaling CloudFoundry PaaS

- Built a component for automatic scaling of resources on CloudFoundry Platform as a Service in order to guarantee a Quality of Service standard for end-user applications using Perceptron Classification algorithm.

TECHNICAL SKILLS

Languages: C, Java, Python, JavaScript, SQL, MongoDB, HTML5, CSS3

Tools: Git, Jira, NodeJS, Angular 7, jQuery, Android, OAuth, ReactJS, AWS, Microsoft Azure, GCP, Docker, Linux

AWARDS

- Won 8 hackathons conducted by Google, Mylan, Myntra, etc.
- Represented Farmalytics and won Facebook Internet.org Impact award for being the most impactful solution in agri-tech space in 2015.

PATENTS

- Filed a patent on tracking application usage and detecting anomalies for Citrix XenApp and XenDesktop products.