

**OBJECTIVE :** Seeking an intern position for summer 2019**EDUCATION:**

- **Master of Science in Software Engineering** **May 2020(Expected)**  
San Jose State University, California.
- **Bachelor of Technology (B. Tech.) in Computer Engineering | GPA:3.5/4** **July 2011-May 2015**  
College of Engineering, Pune, India

**COURSEWORK:**

- Data Structures and Algorithms
- Cryptography and Network Security
- Database Management
- Computer Network
- Cloud computing and Big Data
- Enterprise Software Development
- Operating System
- Virtualization
- Object Oriented System

**SKILLS :****LANGUAGES** : C, Python , Perl and Shell scripting, C++, Java, Go**OPERATING SYSTEM** : Linux, Android, Windows, MacOS**NETWORKING** : Netlink programming, Linux TCP/IP socket programming, TCP/UDP, DNS, SNMP**DATABASES** : MongoDB, MYSQL and IBM DB2, SQLite.**TOOLS** : Git, tcpdump, gdb, netstat, wireshark, cscope, putty, VMware Workstation, VMware vSphere Web Client, VMware NSX Manager, MAMP, Eclipse, Openstack, IBM express C and Jupyter Notebook.**WEB TECHNOLOGIES:** JavaScript, Nodejs, ReactJs, Express, PHP, REST, Spring MVC, Bootstrap, JSON, HTML5 and CSS.**FRAMEWORK** : Apache Kafka, AWS EC2, Docker, Hadoop, Apache spark, MapReduce, Salesforce, Kubernetes**WORK EXPERIENCE:****Hewlett-Packard Enterprise, Bangalore - System Engineer (R&D)****Aug 2015 – Jun 2018**

- Worked for the development of a Linux module, CLIM (Cluster I/O Module) responsible for providing the interface between TCP/IP clients and external network as part of HPE Nonstop Servers.
- Enhanced CLIM module which uses Linux tools to configure and control TCP/IP and IPsec security.
- Worked on Linux Hardening, CLIM vulnerability and multitendency.
- Resolved critical customer defects related to the products on CLIM side with Zero regressions in the code deliverables.
- **Technology Stack:** C, Perl, Shell Scripting, Netlink and TCP/IP Linux Socket programming, IPsec, DNS, SNMP, TACL, Linux TCP/IP stack

**VMware, Pune - Project Intern****Nov 2014 – Apr 2015**

- Built a Security Virtual Appliance to secure all the guest Virtual Machines (VMs) deployed on the same host
- Built a Partner management console to collect security logs from VMs included in security group created on NSX manager.
- Implementation led to 60% performance gain as compared to installing antivirus on every guest VM to keep them secure.
- **Technology Stack:** JavaScript, REST, spring MVC, VMware vSphere Web Client, VMware NSX Manager, Curl.

**ACADEMIC PROJECTS:****Prototype of HomeAway :****Aug 2018 - Nov 2018**

- Developed prototype of HomeAway as a distributed system with kafka as message queue between frontend and backend
- Provided features for owners to post and users to search and book the property along with receiving messages in inbox
- Deployed on AWS EC2 with managing concurrent user sessions and authenticated using passport and JWT
- Technology stack: NodeJS, React-redux, MongoDB, Express, PassportJS and JSON Web Token, AWS EC2

**Hospital Management System:****Nov 2013 – Apr 2014**

- Developed a full-fledged system maintaining the records of patients, doctors and the staff associated with the hospital
- Provided features of scheduling the appointments, uploading and viewing the patients reports on the server for doctor
- Deployed at one of the hospitals for whole functionality testing and developed using MySQL, PHP, HTML5, CSS.

**Paint application:****Mar 2013 – May 2013**

- Developed a paint application aiming at drawing shapes like circle, rectangle, triangle, square and coloring them.  
It is developed in python using PyGTK, a set of python wrappers and library to build the graphical user Interface.