

EXPERIENCE

Member of Technical Staff II	Nutanix Inc., San Jose	Feb 2020 – Present
<ul style="list-style-type: none">Working with Nutanix Flow (Microsegmentation) Team.		
Member of Technical Staff Intern	Nutanix Inc., San Jose	May 2019 – Aug 2019
<ul style="list-style-type: none">Worked with Nutanix Flow Team. Worked on a visualization tool (cadmus) to capture and visualize network traffic to/from virtual machines defined in a security policy.Technologies used: Python, Golang, Kafka, Cassandra, JSON.		
Graduate Research Associate	Ohio State University, Columbus	Aug 2018 – May 2019
<ul style="list-style-type: none">Tensor Transposition Library for GPUs (TTLG): TTLG is a library to efficiently transpose a n-dimensional tensor.<ul style="list-style-type: none">Wrote new CUDA kernel functions and refactored some existing kernels to improve the performance by over 25%.Added different machine learning models evaluate and select the best kernel functions.Technologies used: Nvidia Cuda, C++, Python.		
Software Development Engineer	Oracle India, Bangalore	Aug 2015 – Jul 2018
<ul style="list-style-type: none">Joint Venture Management (JVM): JVM is an application suite to manage a merger & acquisitions of companies.<ul style="list-style-type: none">Designed and developed the Overhead Module of JVM from scratch.Orchestration Studio: This is an IoT (Internet-of-Things) tool which connects JDE enterprise apps to the external devices.<ul style="list-style-type: none">Refactored several applications to include the features supported by Orchestration Studio.Re-factored applications, fixed bugs and improved performance by optimizing database queries in several modules such as Advanced Job Forecasting, Health & Safety Management, Contract & Service Billing etc.Technologies used: C++, Java, Oracle ADF, Groovy, Javascript, JSON.		
Software Developer Intern	ShoreTel Inc., Bangalore	Apr 2015 – July 2015
<ul style="list-style-type: none">Debugged and fixed compatibility issues between Shoretel Architectural components and AWS while working on providing a proof of concept (POC) to migrate ShoreTel components from private cloud to public cloud.		

EDUCATION

Ohio State University	Columbus, OH	Aug 2018 – Dec 2019
<ul style="list-style-type: none">Masters in Computer Science GPA: 3.53/4.0Related Coursework: Algorithms, Advanced Operating Systems, Introduction to Parallel Computing, Network Security, Communication Networks, Fundamentals of Programming Languages, Distributed Enterprise Computing		
BMS College of Engineering	Bangalore, India	Aug 2011 – Jun 2015
<ul style="list-style-type: none">Bachelors in Computer Science & Engineering GPA: 8.88/10.0Related Coursework: Algorithms, System Software, Cloud Computing, Computer Networks, Computer Organization & Architecture, Storage Area Networks, Theoretical Foundations of Computation.		

LANGUAGES AND TECHNOLOGIES

- C, C++, Golang, Java, Python, MySQL, MongoDB, HTML, JavaScript, MATLAB
- Linux, Docker, Kubernetes, jQuery, Bootstrap, AngularJS, REST, Git

PROJECTS

- Migrate Karbon Execution Plane to AWS | Golang, Kubernetes, JSON, AWS | Team of 4**
 - Karbon is the Kubernetes Solution by Nutanix for on-prem cluster.
 - Provided PoC to migrate the Karbon execution plane to AWS with the control plane in On-prem Nutanix Cluster during the U-Hack (Interns' Hackathon) Week.
- Chrome Extension to easily manage JDE inventory | Javascript, Chrome APIs | Team of 2**
 - Created a chrome extension for inventory management application at Oracle JDE Ideathon challenge.
 - Using this extension, the frequently used items and the group of items were stored in the local database and could be added to application grid in a single click.
- Object Detection using Fast R-CNN and YOLO | Python (Scikit, Keras, openCV) | Team of 2**
 - Identified and located cars and stop signs on the road in images using Fast R-CNN.
 - Designed a model using YOLOv3, that leveraged from transfer learning using VGG to detect the same objects as in Fast R-CNN. Compared the performance of YOLO model with Fast R-CNN.