

## EDUCATION

<b>Ohio State University</b>	<b>Columbus, OH</b>	<b>Aug 2018 – Dec 2019 (Expected)</b>
<ul style="list-style-type: none"><li>• <b>Masters in Computer Science</b> <b>GPA: 3.60</b></li><li>• Related Coursework: Algorithms, Advanced Operating Systems, Introduction to Parallel Computing, Network Security, Communication Networks, Fundamentals of Programming Languages, Distributed Enterprise Computing</li></ul>		
<b>BMS College of Engineering</b>	<b>Bangalore, India</b>	<b>Aug 2011 – Jun 2015</b>
<ul style="list-style-type: none"><li>• <b>Bachelors in Computer Science &amp; Engineering</b> <b>GPA: 3.60</b></li><li>• Related Coursework: Algorithms, System Software, Cloud Computing, Computer Networks, Computer Organization &amp; Architecture, Storage Area Networks, Theoretical Foundations of Computation.</li></ul>		

## EXPERIENCE

<b>Software Developer Intern</b>	<b>Nutanix Inc., San Jose</b>	<b>May 2019 – Aug 2019</b>
<ul style="list-style-type: none"><li>• Worked with Flow Team on Security Policies. Worked on Visualization tool to capture and visualize network traffic for machines defined in a security policy.</li><li>- Technologies used: Golang, Kafka, JSON.</li></ul>		
<b>Graduate Research Associate</b>	<b>Ohio State University, Columbus</b>	<b>Aug 2018 – May 2019</b>
<ul style="list-style-type: none"><li>• <b>Tensor Transposition Library for GPUs (TTLG):</b> TTLG is a library to efficiently transpose a n-dimensional tensor.</li><li>- Wrote new CUDA kernel functions and refactored some existing kernels to improve the performance by over 25%.</li><li>- Wrote different machine learning models such as Linear Regression, Decision Trees, Artificial Neural Networks etc. to evaluate and compare the performance of the kernel functions.</li><li>- Technologies used: Nvidia Cuda, C++, Python.</li></ul>		
<b>Software Development Engineer</b>	<b>Oracle India, Bangalore</b>	<b>Aug 2015 – Jul 2018</b>
<ul style="list-style-type: none"><li>• <b>Joint Venture Management (JVM):</b> JVM is an application suite to manage a merger, acquisitions and a joint venture between two or more companies.</li><li>- Designed and developed the Overhead Module of JVM from scratch.</li><li>- Worked closely with customer focus group and product strategy to discuss requirements, set goals and periodic review.</li><li>- Technologies used: C++, Java and NER (Oracle in-house tool).</li><li>• <b>Orchestration Studio:</b> This is an IoT (Internet-of-Things) tool which connects Oracle JDE apps to the external devices.</li><li>- Made changes to existing enterprise applications in order to include the features supported by Orchestration Studio.</li><li>- Created a number of sample applications to demonstrate the use of IoT using an ERP to executive staffs and customers.</li><li>- Technologies used: Oracle ADF, Groovy, C++, NER, JSON.</li><li>• Re-factored applications, fixed bugs and improved performance by optimizing database queries in several modules such as Advanced Job Forecasting, Health &amp; Safety Management, Contract &amp; Service Billing etc.</li></ul>		
<b>Software Developer Intern</b>	<b>ShoreTel Inc., Bangalore</b>	<b>Apr 2015 – July 2015</b>
<ul style="list-style-type: none"><li>• 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.</li></ul>		

## 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.