

## EMPLOYEMENT

<b>Intern, MBU vCops Dev</b>	<b>VMware, Palo Alto</b>	<b>Summer 2016</b>
<ul style="list-style-type: none"><li>Worked in an Agile environment with the vRealize Operations™ Team on a Troubleshooting App, a real-time alerting, performance monitoring and capacitive planning tool.</li><li>Implemented scalable, high quality persona-driven user interfaces with a great focus on usability and customer experience for quick troubleshooting and resolution for 1000s of VMware customers.</li><li>Technologies: <b>Angular 2, Typescript, Webpack, ES6, Jasmine, Nightwatch.js, HTML, CSS, D3.js</b></li></ul>		
<b>Tutor – Computer Science</b>	<b>Arizona State University, Tempe</b>	<b>Spring 2016</b>
<ul style="list-style-type: none"><li>Coming up with novel ways to explain Computer Science concepts to 100s of students learning Programming Languages, Data Structures, Software Engineering etc. and ensuring academic success.</li></ul>		
<b>Software Developer Intern</b>	<b>Algonation, Mumbai</b>	<b>Summer 2014</b>
<ul style="list-style-type: none"><li>Developed a Dashboard for presenting analytics leveraging D3.js visualizations. Created API endpoints to use with Mobile application built using PhoneGap and Ionic framework.</li><li>Worked as a Full-Stack developing a highly usable UI and simultaneously worked on backend scripting.</li><li>Technologies: <b>PHP, SQL, Angular JS, PhoneGap, D3.js, Twitter Bootstrap</b></li></ul>		

## EDUCATION

<ul style="list-style-type: none"><li><b>Master's in Computer Science</b>, Arizona State University, Tempe.</li></ul>	<b>August 2015 – May 2017</b>
<ul style="list-style-type: none"><li><b>Bachelor's in Computer Engineering</b>, University of Mumbai, India.</li></ul>	<b>August 2011 – June 2015</b>

## SKILLS AND TECHNOLOGIES

- Java; Python; JavaScript; Angular JS; D3.js; HTML; CSS; PHP; SQL; Apache Spark; Machine Learning; Data Analysis

## PROJECTS

### Extending Apache Spark for Geo-Spatial operations (2016).

- Extending Apache spark to perform Geo-Spatial operations based on GeoSpark, an extension with a set of Spatial Resilient Distributed Datasets that efficiently load, process & analyze large-scale spatial data across machines.
- Implementing the functionalities like spatial join, spatial aggregation and spatial co-location to develop better performing spatial analysis programs. **Apache Spark, Hadoop, Scala**

### Java MiniBase (2016).

- Implemented different page replacement policies like FIFO, LRU, LRU-K for buffer management & join algorithms
- Developed a query planner and optimizer to improve performance of join operations. **Java, MiniBase**

### Intelligent Visual Analytics - WebMD (2016).

- Conducting Data-Analysis and developing customized interaction with coordinated views using D3.js and CrossFilter library for exploring our WebMD (Medical Forum Q&A) Dataset. **JavaScript, SVG, D3.js, CrossFilter, DC.js**

### Study Guide Genie (2016).

- Developed an Adaptive Study Guide system, a hybrid recommendation system based on Collaborative Filtering & Content-based recommendation for its users to create notes and cheat-sheet based on peers' notes and Java docs from websites like Wikibooks, tutorialspoint.com. **Elasticsearch, PHP, MySQL, JavaScript, AJAX, Java**

### Twitter Biodata (Winning Hackathon Project) (2015).

- Developed a dashboard that provides a Bird's eye view of a Twitter Profile with a good focus on UI/UX & ML.
- Implemented machine learning techniques to visualize the Social Network Graph to gain insight about the interests and sentiment of a user based on their Followers and Following profiles. **Python, JavaScript, Twitter API, D3.js**

### Sentiment Analysis to Improve Emotional Health of User (2015).

- Developed an application to perform Sentiment Analysis based on Natural Language processing and a Naïve Bayes classifier model to determine the state of mind of an emotionally unstable user to provide relevant solutions that help to improve their emotional health. **NLTK Toolkit, Python, JavaScript, HTML, CSS**

## ACHIEVEMENTS

- First Prize, Germin8.com Hackathon:** Awarded 1<sup>st</sup> prize for Twitter Biodata project, out of 7 projects. (Details above)
- Third Prize, Google Developer Group & zonestartups.com Hackathon** for Bluetooth Chat App out of 15 projects.