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Education

San Jose, CA	San Jose State University	Expected: May 2017
MS in Software Engineering		GPA: 3.32/4.0
Specialization: Cloud Computing and Virtualization technologies		
Bangalore, India	Bangalore Institute of Technology	August 2011- June 2015
B.E. Computer Science		GPA: 3.5/4.0

Technical Skills

Languages: C, Java, JavaScript **Databases:** MySQL, MongoDB

Web Technologies: Node.js, JQuery, AJAX, HTML5, CSS

Others: Amazon Web Services, Selenium, Git, Hadoop MapReduce

Internship

Bangalore, India	Willron Technologies	February - May 2015
<ul style="list-style-type: none">Developed portal for users and administrators to manage data in a cloud project using HTML and JS technologiesDeveloped Insurance Premium Calculator application for a plan using Java and tested with use cases.Technical documentation of requirements, analysis, and architecture for organizational projects		

Academic Projects

Cloud Scale Bitly Like URL Shortener	Node.js AWS Beanstalk RabbitMQ MySQL Redis
<ul style="list-style-type: none">Developed Heroku based web application to accept long URL's and display its trend statistics (HTML and Node.js)Deployed Node.js shortener and redirect servers with load balancing on AWS Beanstalk instancesUsed RabbitMQ for message queuing, MySQL for persistence and Redis cache for faster redirection	
OMA LWM2M Client-Server Implementation	Java REST API MongoDB HTML Bootstrap AJAX
<ul style="list-style-type: none">Jersey REST-API based web application to prototype lane changing and adaptive cruise control gateway systemFollowed the specifications defined in OMA LightweightM2M protocol for the client server implementation for carInvolved bootstrap and registration server for the service enablement and MongoDB as persistence database	
Testing NoSQL Partition Tolerance	Amazon EC2 VPC MongoDB
<ul style="list-style-type: none">Analyzed CAP theorem by partition mode and recovery in Mongo DB using 5 nodes on Amazon EC2 instancesUsed Network access control lists in AWS to create partition on Amazon VPC over the nodesDeployed master slave replication on MongoDB, analyzed slave promotion as the new master during partition	
Interestbook	AWS Angular.js Node.js RabbitMQ MongoDB
<ul style="list-style-type: none">Developed a cloud based MEAN stack application on AWS to like, share interests on music, show and sportsUsed RabbitMQ as messaging broker between client and server, MongoDB for database and storage of sessionsInvolved user functionalities such as sign up, sign in, news feed, send and accept friend request.	
Automated Malaria Parasite Detection	Undergraduate Project MATLAB
<ul style="list-style-type: none">Detected the count of malaria infected RBC cells in digitalized blood smears using Image Processing techniquesUsed the color and diameters of cells as a parameter to distinguish infected cells from the normal RBC cellsPublished technical paper on the topic under IJRTS Vol. 3, Issue 2, Jan 2016	

Personal Profile

- Internaut, reading company blogs on latest technologies
- Car enthusiast, lately into hiking and a budding photographer