Website: swaroopmc.github.io **SWAROOP ARADHYA** Email: mcswaroop.19@gmail.com

Contact: (669)264-8442, San Jose, CA LinkedIn: linkedin.com/in/swaroopmc19

Objective

Seeking Internship positon in the field of Software Engineering for Summer 2016

Education

San Jose, CA **San Jose State University** **Starting Fall 2015**

Master of Science in Software Engineering Current GPA: 3.77/4.0

Dual Specialization: Cloud Computing and Enterprise Software Technologies

Bangalore, India **Bangalore Institute of Technology** **August 2011- June 2015**

Bachelor in Computer Science and Engineering GPA: 3.5/4.0

Technical Skills

Languages: C, Java, Node.js **Databases:** MongoDB, Redis, MySQL

Web Technologies: HTML5, CSS3, BootStrap, JQuery, JSON, AJAX, ReSTful Web Services

Tools: Amazon Web Services, Heroku, Git, MATLAB, RabbitMQ, Cloud9, Eclipse

Employment

Intern **Willron Technologies, Bangalore** **Feb - May 2015**

- Worked on Front end of Project: Managing Cloud based Data using Third Party Authentication
- Involved designing portal for users to upload, admin and TPA to manage
- Developing the company website and documentation **HTML5 | CSS3 | Javascript**

Academic Projects

Bitly Like URL Shortener **Node.js | AWS | Heroku | RabbitMQ | Express.js | Mongo DB | Chart.js**

- Developed cloud scale Node.js URL Shortener on AWS, Heroku with Message Bus Architecture
- URL shortening service using CRC32 hashing, Mongo DB for persistence, Redis for faster cache
- Control, Trend and Link servers on AWS-Elastic Beanstalk instances to shorten, view and redirect

Gateway to Self Driving Cars **Jersey | Mongo DB | HTML5 | Bootstrap | Jquery | AJAX**

- Java REST-API based gateway UI with lane changing, adaptive cruise control prototype system
- Followed the specifications defined in OMA LightweightM2M protocol

NoSQL Partition Tolerance **Amazon EC2, VPC | Mongo DB**

- Analyzed partition mode and recovery in Mongo DB using two Amazon EC2 subnets and VPC

Automated Malaria Parasite Detection **Undergraduate Project | MATLAB**

- Detected count of RBC, malaria infected cells in digitalized blood smears using Image Processing
- Involved Pre-processing, Feature Extraction, Segmentation and Morphological Operations

Achievements

- Paper on “Automated Malaria Parasite Detection based on IP” selected by IJRTS for publication
- Undergraduate Project selected by KSCST, India for innovative project list under 38th Series SPP