SWAROOP ARADHYA

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Available to work full-time immediately

Education

MS in Software Engineering   **Fall 2015 - Spring 2017**

San Jose State University | San Jose, CA

Coursework: Cloud Technologies, Enterprise Distributed Systems, Virtualization, Web UI Design, and Big Data

B.E. Computer Science   **August 2011 - June 2015**

Bangalore Institute of Technology | Bangalore, India

Employment

Intern-DevOps   **Verint Systems, Santa Clara**   **January 2017 - Present**

- Supporting the CI/CD team to enable the build infrastructure for Verint WFO platform using Java, Jenkins, Puppet and Gradle stack
- Designing Jenkins pipeline, debugging build errors and related dependencies management for integration and release streams
- Automating and improving tools for continuous build, deployment and release management

Software Intern   **Willron Technologies, Bangalore**   **February 2015 - May 2015**

- Designed Web UI using HTML and jQuery for a cloud project which involved portal for users and admin to manage files
- Implemented backend system for web based insurance premium calculator application using Java and Oracle 10g database
- Gained experience during undergraduate final semester working with startup team on all stages of SDLC

Projects

Cloud Scale Bitly Like URL Shortener   **Node.js | RabbitMQ | MySQL | Redis | AWS Beanstalk**

- Developed Heroku based web application to submit long URL's and display its trend statistics
- Used CRC-32 for hashing, deployed Node.js shortener and redirect servers with load balancing on Amazon beanstalk instances
- Utilized RabbitMQ for message queuing, MySQL as main database and Redis cache for faster redirection

Box Office Success Predictor (Master's Project)   **Spark ML | Java | MongoDB | Angular.js | AWS**

- Developed AWS based cloud application to predict the success of upcoming movie using available datasets and social media
- Fetched reactions from Facebook, trailer statistics from YouTube for the movies and performed NLTK sentimental analysis
- Utilized Spark ML to determine the fate of an upcoming movie by using decision tree classifier algorithm on preprocessed data
- Used MongoDB to store result dataset, Angular.js.js to design UI dashboard for moviemaker and general user to get statistics

Interest book   **Node.js | Angular.js | MongoDB | RabbitMQ | AWS EC2**

- Developed a social networking application to share interests using MEAN stack and hosted it on Amazon EC2 instances
- Used RabbitMQ as messaging broker between client and server, MongoDB for database and storage of sessions
- Involved user functionalities such as signup, login, about, homepage, search and add friend features

OMA LWM2M Gateway for Cars   **Java | REST API | MongoDB | HTML5 | jQuery**

- Developed Java REST API based web application to prototype lane changing mechanism with LWM2M client server protocol
- Involved bootstrap and registration server for the service enablement and MongoDB as persistent database.

Food Rescue – Opportunity Hack 2016   **Android Application | MongoDB | Twilio**

- Developed an android application to connect restaurant owners to deliver excess food to nearby needy people
- Implemented backend web services using Java REST API and MongoDB database, text messaging using Twilio and ngrok

Automated Malaria Parasite Detection (**Undergraduate Project)**   **Image Processing | MATLAB**

- Detected the count of malaria infected RBC cells in digitalized blood smears using Image Processing techniques
- Sponsored by KSCST, India under 38th Series SPP 2015. Published technical paper under IJRTS Volume 3, Issue 2, January 2016

Technical Skills

- **Programming:** Java, JavaScript, C, Python
- **Web Technologies**: Node.js, Angular.js, jQuery, HTML5, CSS3, Bootstrap
- **Tools**: AWS, Docker, Hadoop MapReduce, Jenkins, Git, Gradle, MySQL, MongoDB, RabbitMQ