

EDUCATION

AUG 2015
MAY 2017

SAN JOSE STATE UNIVERSITY
Master's Software Engineering

SAN JOSE, CA

AUG 2011
JUN 2015

BANGALORE INSTITUTE OF TECHNOLOGY
B.E Computer Science

BLR, INDIA

WORK EXPERIENCE

FEB 2015
MAY 2015

WILLRON TECHNOLOGIES
Internship

BLR, INDIA

- Designed UI for a cloud project which involved portal for users , administrator and authenticators to manage files
- Worked on backend design of web based insurance premium calculator for a health plan using Java and Oracle 10g
- Documented business and technical requirements, architecture for company projects

PROJECTS

BREVI - NODE.JS URL SHORTENER ON AWS

- Developed Heroku based web application to accept long URL's and display its trend statistics
- Deployed Node.js control and redirect servers with load balancing on AWS Beanstalk instances
- Used RabbitMQ for message queuing, MySQL for persistence and Redis cache for faster redirection

INTEREST BOOK - MEAN STACK

- Designed MEAN stack social networking application on AWS EC2 container services to like, share interests on music, show and sports
- Used RabbitMQ as messaging broker between client and server and MongoDB for session storages

FOOD RESCUE - SVCC 2016 HACKATHON

- Developed an android application to connect restaurants owners to deliver excess food to needy people
- Responsible for developing backend web services using Java, and MongoDB
- Used Twilio and ngrok tunneling for sms messaging with app

OMA LWM2M GATEWAY FOR DRIVERLESS CARS

- Developed Java REST api based web application to prototype lane changing and adaptive cruise control
- Followed the specifications defined in OMA-LWM2M protocol for client server implementation
- Involved bootstrap and registration server for service enablement with MongoDB as persistent database

TESTING NoSQL PARTITION TOLERANCE

- Analyzed CAP theorem on MongoDB with partition mode and recovery
- Used network access lists in AWS to create partition on VPC with five EC2 nodes

SWAROOP

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PROGRAMMING

C
SQL
JAVA
HTML + CSS
JavaScript, AJAX
Node.js, Express.js
Python (Beginner)

TOOLS

Amazon Web Services
Hadoop MapReduce
Dockers
RabbitMQ
MATLAB
MongoDB
MySQL

COURSES

Cloud Technologies with Node.js
Enterprise Distributed Systems
Cloud Services with Hadoop & Dockers
Big Data
Virtualization
Software Engineering

RECOGNITION

Undergraduate team project on Image Processing selected by KSCST, India under innovative project list-SPP 2015
Technical Paper: IJRTS/Vol. 3/Issue 2/Jan. 2016

Received certificate of merit from state governor for academic excellence in X

INTERESTS

Attending and volunteering tech summits
Car enthusiast
Hiking