

SWATHI NUGGEHALLI SUDARSHAN

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408-480-5316

EDUCATION

Master of Science, Software Engineering, GPA: 3.53/4.0

Expected May 2017

San Jose State University, San Jose, CA

Bachelors in Computer Science Engineering, GPA: 3.45/4.0

August 2010-May 2014

Visvesvaraya Technological University, Shimoga, India

RELATED COURSEWORK IN MASTERS

Cloud Technologies, Software Systems Engineering, Enterprise Distributed Systems, Virtualization Technologies, Web and Data Mining, Web UI Design and Development, Database Systems, Algorithms and Data Structures.

PROFESSIONAL EXPERIENCE

Instructional Student Assistant

Sept 2016 – present

San Jose State University, San Jose – CA, USA

Worked under Professor Dr. Jerry Gao as an ISA for the course Cloud Technologies. Assisted the Professor in assignment and project grading and setting up of IEEE International Conferences on Big Data Computing and Mobile Cloud. Maintained the conference website updates.

Trainee Software Engineer

Aug 2014 – May 2015

SPAN Infotech (India) Pvt. Ltd, Bangalore - KA, India

Worked on SQL Server development. Trained on TSQL. Created procedures, SSRS reports and ETL process. Implemented XQuery for mobile application.

TECHNICAL SKILLS

JAVA, HTML5, CSS3, Bootstrap, JavaScript, R, Android SDK, MongoDB, SQL Server, GitHub, Amazon Web Services, Agile Methodologies, REST APIs, Node JS, AngularJS, Express, PHP

GRADUATE ACADEMIC PROJECTS

Online Cab booking

SJSU Fall 2015

Developed an online cab booking application with own surge algorithm for pricing.
Developed end to end working for driver module.

Technologies: MEAN stack, Google Maps, RabbitMQ, HTML5, Bootstrap, D3.js

Alpha Combats, an Interactive 2D PC Game

SJSU Fall 2015

Built a 2D gaming developed on Greenfoot.

Implemented composite, factory, State and observer design patterns to the game.

Technologies: JAVA, Design patterns, Agile Methodologies

Online Market Place

SJSU Fall 2015

Designed and developed an online market website for 5 different product websites for e-commerce purpose. Designed and developed effective front-end. Connected with other websites using cURL operations

Developed PHP backend for smooth functioning of webpage.

Technologies: PHP, MySQL, cURL, HTML5, CSS3, WordPress, Bootstrap

Predict ROI on college of the USA

SJSU Spring 2016

Developed a datamining web application for predicting ROI on educational Institution in the USA.

Wrote NodeJS backend for the application for data mining operations along with statistical analysis using R-studio.

Technologies: MEAN stack, Leaflet API, JSON, HTML5, Bootstrap, Highcharts, REST API

Seismic Activity Monitoring

SJSU Fall 2016

Developed an effective data visualization of Real-time earthquake data to create awareness in people about their surroundings with intuitive UI for the application

Implemented localization of the web application.

Technologies: MEAN stack, Leaflet API, ArcGIS API, WebGL, CSS3, HTML5, Bootstrap, RethinkDB

HACKATONS

SVCC Opportunity Hack 2016

Sept 2016

Secured 2nd place.

Developed a responsive web application for Rising Internationals NPO to eliminate hassle of cash exchange and globalize their market