

# Kavyashree Chandrashekar

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## EDUCATION:

**Master of Science in Computer Engineering** | San Jose State University, California, US Expected Dec 2020  
Web UI development, Data Structures, Enterprise Distributed systems, System Software, Machine Learning, LSA  
**Bachelor of Engineering in Electrical and Electronics Engineering** | VTU, India May 2014  
Operating system, Microprocessors, Transmission and Distribution, Linear Integrated Circuits, CPP

## TECHNICAL SKILLS:

**Programming Languages:** Java, Python, C, C++, JavaScript, SQL.  
**Web Technologies:** Node.js, React, Redux, REST Web Services, HTML5, CSS, AJAX, jQuery, Angular.js, Bootstrap.  
**Databases:** MySQL, MongoDB, Oracle, Redis  
**Tools and Software:** Eclipse, Jira, Git, IntelliJ, Anaconda, Jmeter, Postman, Visual Studio  
**Operating Systems:** Linux, Windows, Mac OS  
**Others** Apache Kafka, Zookeeper, Docker, Mocha, JUnit, TestNg, Selenium

## WORK EXPERIENCE:

**Research Intern** **Vitalxchange, Cleveland, Ohio** May 2020 - Present  
• Developing mobile app using react native  
• Developing test automation scripts for mobile app using cucumber and appium  
**Teaching Assistant** **Data Structures, San Jose State University** Aug 2019 - Dec 2019  
• Mentored undergraduate students with Data Structures, C++, and evaluated assignments  
**QA Engineer** **PowerSchool India Ltd, Bengaluru, India** Apr 2017 - Dec 2018  
**Technologies used: Java, Selenium, Jira, Git**  
• Created detailed, comprehensive, well structured test plans and test cases  
• Designed, developed and executed automation scripts using Selenium and Java  
• Worked with team in all stages of agile development environment to ensure quality deliverables  
**Systems Engineer** **Infosys Ltd, Bengaluru, India** Jun 2014 - Apr 2017  
**Technologies used: Java, Angular Js, Node Js, Mysql, Oracle, MongoDB, Bootstrap, Selenium**  
• Built the web application using AngularJs, Node Js, MongoDB, Bootstrap and Java  
• Developed automation framework using Java and Selenium along with JUnit and Apache POI  
• Developed Desktop applications using Java and Swing

## COURSE PROJECTS:

**Twitter Prototype** **(Node.js | React | Redux | HTML5 | CSS3 | MongoDB | MySql | Kafka | AWS | JWT | Kafka | Redis)**  
• Built twitter prototype to simulate most of its features using React and Express JS  
• Search Page, Pagination, Modals, Graphs, chat box components are implemented  
• Rest api calls are designed using express and Node Js  
• Distributed systems is designed with Apache kafka and AWS, Redis Cache is used to improve performance  
**Grubhub Prototype** **(React Redux | Node.js | Docker | AWS EC2 | Kafka | JavaScript | MySql)**  
• Implemented grubhub prototype using React Redux and NodeJs, deployed on AWS EC2 using Docker  
• UI is unit tested with enzyme and rest api are tested with Mocha and Jmeter  
**Spartan AI Parking System** **(Python | Open CV | Open ALPR | Dlib | React | Express)**  
• Developed a dynamic price calculation web application for the spartan parking  
• Parking slot booking, dynamic price calculating using single surveillance camera and online payment options  
**Restaurant Recommendation System** **(Python | Spark | Pandas)**  
• Created Restaurant recommendation system using collaborative filtering, SVD, cosine similarity  
• Yelp Dataset are used for training and Spark is used for data computation  
**Graffiti Sniffer** **(Python | TensorFlow | ML)**  
• Faster RCNN inception V2 Model is applied to extract the text and different kind of images from the graffiti  
• Tensorflow object detection api is used for object detection and background detection  
• 82% accuracy achieved in text detection and background detection