

# Urmil Ashish Parikh

www.linkedin.com/in/urmil-parikh

www.github.com/urmilparikh95

urparikh@ncsu.edu

919-904-6786

Raleigh, NC - 27606

## EDUCATION

- **Master of Computer Science** - North Carolina State University, Raleigh NC  
*Course work:* Software Engineering, DevOps, Algorithms, Object Oriented Design  
Aug 2017 - Present  
GPA - 3.89/4.00
- **B. TECH** (Computer Science) - National Institute of Technology, Surat, India  
*Course work:* Operating Systems, Information Security, Computer Networks  
Aug 2013 - May 2017  
GPA - 7.96/10.00

## SKILLS

*Languages:* Java, C++, C, Ruby, R, MATLAB, Python, SQL

*Web Technologies:* Ruby on Rails, Node.js, Express, PHP, HTML5, CSS3, JavaScript, Vue.js, React.js

*Tools:* Vagrant, Ansible, Docker, Kubernetes, Jenkins, Travis-CI, Redis, MongoDB, Selenium

## WORK EXPERIENCE

### **Software Engineering Intern - Device Magic Inc.**

May 2018 - Present

*Worked with the dev team to design and implement experimental features for their product.*

- Created a front-end web structure for the Analytics feature using Vue.js, JQuery and Baidu Echarts library.
- Implemented WebSockets in the application for dynamic rendering of data, using Rails 5 Action Cable.
- Created a Rails Delayed Jobs task to handle submissions from mobile devices in the background.
- Added a feature to customize the time-zone of the date-time fields for better user experience.

### **Research Intern - SVNIT, Surat**

May 2016 - July 2016

*Performed Data collection and pre-processing of satellite imagery.*

- Automated data collection process to update the satellite imagery on an hourly basis.
- Extracted cloud cover information from the images by applying Adaptive Brightness Thresholding on different sections of varying intensities.
- Collected historical weather data using web scraping. Used it to find accuracy and improve performance.

## PROJECTS

### **DevOps, Continuous Integration and Configuration Management | Jenkins, Ansible, Shell**

- Wrote a configuration management script for provisioning a Jenkins server using Ansible.
- Built the source code for two different applications using the Jenkins command line tool.
- Created post build tasks to automatically deploy the applications when the build is successful.

### **Expertiza - an open source web application | Ruby on Rails, RSpec**

- Worked on the functionality of email invites. Improved its security by adding a timeout on the email link.
- Wrote automated Unit Tests using RSpec testing framework. Increased Coverage from 51.4% to 53.2%.

### **Slack Application to Recommend Android Libraries | Nodejs, MongoDB**

- Added a Chabot feature to make the application interactive and improve user experience.
- Implemented GitHub hooks to trigger recommendation process following a code change in the repository.

### **MVC Web Application | Ruby on Rails, Postgres**

- A car rental application with features to view, reserve or checkout a car, check your booking history, view the list of available cars and suggest new cars. Implemented using Ruby on Rails framework.
- Created an admin functionality to manage the application.

### **Test Coverage Analysis for the source code | Nodejs, Esprima, Istanbul**

- Generated and analysed the abstract syntax tree of given JavaScript source code using the Esprima parser.
- Calculated the statement, branch and conditional coverage for input test cases. Used the Istanbul library.

### **GitHub Star-Index | REST API, Express**

- Created an application to calculate the impact of a developer on the community by analysing the stars on his GitHub Repositories. Used GitHub API to access public repositories of the user.

## ACHIEVEMENTS

- Successfully completed edX courses on Agile Development, User Experience and Artificial Intelligence.
- Co-authored a research paper titled "Weather Forecasting using Satellite Images" which was published in an international journal.