

# VIVEK BHAT

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## EDUCATION

**North Carolina State University, NC, USA**

Anticipated Dec 2017

Master of Science (Computer Science), GPA – 3.7/4.0

**Jamia Millia University, New Delhi, India**

Bachelor of Technology, GPA – 8.3/10

May 2016

## SKILLS:

**PROGRAMMING:** JAVA, RUBY, HTML5, CSS, Bootstrap, JavaScript, Knockout.js, ReactJS, Bash, JQuery, XML, JSON, NODE, Node Package Manager, Ruby On Rails, APIs, C, C++, JUnit, RSpec, Capybara, Cucumber, Selenium, Mocking, Mocha, Nock, Mockito, Chai.

**DATABASES:** MySQL, SQLite, SQLite3, Postgres SQL (PGSQL).

**TOOLS / UTILITIES:** Docker, Vagrant, Ansible, VirtualBox, Git, GitHub, Eclipse, RubyMine, Twitter APIs, GitHub APIs, Facebook APIs, Google APIs, Amazon Web Services, AWS EC2, AWS Simple Storage Services (S3), Android Developer Tools (ADT), Android Studio.

**OPERATING SYSTEMS:** OS X El Sierra, Windows, Linux flavors - Ubuntu, Kali, Mint, Zorin.

## ACADEMIC/OTHER PROJECTS:

**Ansible-CheckBox.io**, uses Ansible, Vagrant, AWS, Jenkins, Docker, Nginx, NodeJS [git.io/vyUjg](https://git.io/vyUjg) (Spring 2017)

Setup up configuration management and build environments for checkbox.io, a NodeJS and MongoDB based survey creating website.

**Ansible-iTrust**, uses Ansible, Jenkins, Maven, Tomcat, Java, Maven [git.io/vyUjF](https://git.io/vyUjF) (Spring 2017)

iTrust is a java application used in the undergrad software engineering system. It uses tomcat, mysql, java, and maven. It has a rich set of unit tests. Playbook deploys the app on a remote server and builds it too.

**Ansible-Playbooks**, using Ansible, Vagrant, AWS, Jenkins, Docker [git.io/vX79L](https://git.io/vX79L) (fall 2016)

Created an Ansible playbook that installs node.js, forever, Pull/clone Git repo into a destination, installs npm packages, does Configuration Management, provision an EC2 instance and more.

**Provision Server**, using Ansible, Vagrant, EC2 API, DigitalOcean APIs [git.io/vDQ7v](https://git.io/vDQ7v) (fall 2016)

The code requests a new Virtual Machine and then save and print out the ip address of the new server created.

**Docker-Fun**, using Docker, Vagrant, Node [git.io/v1tWm](https://git.io/v1tWm) (fall 2016)

Tested server and did spinning, building and committing to Docker Images.

**Mock-Twitter**, using Knockout.js, JavaScript, HTML5, CSS, Bootstrap [git.io/vXitW](https://git.io/vXitW) (fall 2016)

A twitter mockup, with data-binding done using Knockout.js and cascading by CSS.

**Library Room Booking Web App**, using Ruby on Rails, Heroku [git.io/vX6Sv](https://git.io/vX6Sv) (fall 2016)

o App: libappviv.herokuapp.com

### Websites developed:

o [vivekbhat.github.io](https://vivekbhat.github.io) : My personal github.io page

[git.io/vXiOS](https://git.io/vXiOS) (fall 2016)

o <http://vivekbhat.s3-website-us-west-2.amazonaws.com>: My AWS Hosted website

### Bots Developed:

o **Twitter Bots** uses node, npm, JavaScript, Twitter

[git.io/vX6H7](https://git.io/vX6H7) (fall 2016)

@botifulbot is the twitter handle for this bot API. Developed around 10+ bots for twitter with different algorithms for various tasks.

o **FlagLagBot** uses Slack API, Git API, LaunchDarkly API, AWS EC2, Ansible.

[git.io/v1nuB](https://git.io/v1nuB) (fall 2016)

Aimed to bridge the gap between LaunchDarkly (tool for creating and managing feature flags) and code that uses it, user can communicate with our SlackBot and perform different tasks using the REST APIs.

**Weather Forecast App** uses Android Studio and OpenWeatherMap API [git.io/vXifi](https://git.io/vXifi) (fall 2015)

This Android App uses OpenWeatherMap API to fetch weather data and then displays it on the app.

## Open Source Contribution

• **EXPERTIZA OSS Project**, uses ROR and Docker [git.io/vX6St](https://git.io/vX6St) (fall 2016)

Expertiza is a classroom tool build on Ruby on Rails (ROR) for group projects and peer review. My work was to refactor response controller of 'Expertiza' using Ruby on Rails and DRY principles for better architecture. I used Docker to set the environment required for the project

• **EXPERTIZA NCSU**, uses ROR, ReactJS [git.io/v1ixj](https://git.io/v1ixj) (fall 2016)

Worked on some UI issues and improvement of a tree display page of Expertiza. Send feedback to support + tree display was improved and a new UI with some added functionalities were provided.

## HACKATHON PROJECTS:

• **OptMeet** in **HACKNC 16** (UNC Chapel Hill, NC USA) [git.io/vXivE](https://git.io/vXivE) (fall 2016)

A simple web application to manage meeting friends at a convenient location using map.

• **Electricity Bill Calculator** in **Hack4India** (NSIT New Delhi, India) [git.io/vX6Fk](https://git.io/vX6Fk) (spring 2016)

This android app was developed for TATA powers (INDIA) and calculates the electricity consumption based on the formula provided by TATA Powers. It uses Android Studio, material design, navigation drawer, toast, snackbar and many newer android features.

## HONOURS:

• Chairperson of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016).

• Vice-Chairperson of IEEE Jamia Millia Islamia Student Branch (2014-2015).

• Winner of Dr J. K. Pal Memorial Award for the Best IEEE Student member 2016 from IEEE Delhi Section of Region 10 Asia Pacific.

• Winner of OUTSTANDING STUDENT VOLUNTEER 2015 from IEEE Delhi Section.

• Active member of the NGO SHRISHTI, New Delhi, India (Centre for child & adolescent mental health).